

Appendix C Air Quality and GHG Emissions Modeling Data

Appendices

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Construction Estimate Worksheet (Summary Output CalEEMod)

Year	Phase	Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5
2018	Demolition	4	45	25	0	4	2
2018	Site Preparation	5	48	23	0	11	7
2018	Grading	5	60	36	0	7	4
2018	Building Construction	22	118	168	1	40	12
2018	Paving	2	18	15	0	1	1
2018	Architectural Coating	165	4	27	0	7	2
Peak Daily Total		203	294	294	1	70	28
2018	Demolition	3.99	45.36	24.53	0.06	4.45	2.27
2018	Site Preparation	4.66	48.50	23.25	0.04	10.50	6.67
2018	Grading	5.20	59.83	35.94	0.06	6.56	4.02
2019	Grading	4.84	54.81	34.15	0.06	6.31	3.79
2018	Building Construction	22.03	118.37	167.66	0.58	40.04	12.39
2019	Building Construction	20.21	110.70	154.12	0.57	39.75	12.11
2020	Building Construction	18.57	101.14	142.49	0.56	39.41	11.80
2021	Building Construction	17.14	91.11	133.11	0.54	39.00	11.41
2022	Building Construction	16.13	84.97	125.70	0.53	38.83	11.24
2023	Building Construction	14.93	67.68	118.23	0.51	38.65	11.08
2024	Building Construction	14.22	65.59	111.88	0.50	38.56	10.99
2025	Building Construction	13.61	63.53	106.30	0.48	38.47	10.90
2026	Building Construction	13.16	62.52	101.64	0.47	38.46	10.90
2027	Building Construction	12.73	61.58	97.56	0.46	38.45	10.89
2028	Building Construction	12.27	60.78	94.00	0.45	38.43	10.87
2029	Building Construction	11.76	60.03	90.62	0.44	38.42	10.86
2030	Building Construction	11.17	54.79	87.57	0.44	38.02	10.50
2031	Building Construction	10.57	54.04	84.64	0.43	38.01	10.48
2018	Paving	1.72	17.57	15.39	0.02	1.11	0.92
2018	Architectural Coating	165.28	4.18	27.35	0.08	6.89	1.98

Regional Operation Emissions Worksheet: Existing (2016)

Criteria Air Pollutants

Summer

Source	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	219.7625	26.5024	315.8013	0.4185	25.406	25.406
Energy	1.6386	14.5114	9.6872	8.94E-02	1.1322	1.1322
Mobile	40.4255	66.997	489.6526	1.2245	108.985	29.5177
Total	261.8266	108.0108	815.1411	1.7323	135.5231	56.0559

Winter

Source	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	219.7625	26.5024	315.8013	0.4185	25.406	25.406
Energy	1.6386	14.5114	9.6872	8.94E-02	1.1322	1.1322
Mobile	40.1327	70.7715	473.3407	1.1614	108.9904	29.5229
Total	261.5338	111.7853	798.8293	1.6692	135.5286	56.0611

Max Daily

Source	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	220	27	316	0	25	25
Energy	2	15	10	0	1	1
Mobile	40	71	490	1	109	30
Total	262	112	815	2	136	56

SCAQMD Regional Significance Thresholds	55	55	550	150	150	55
Exceeds Thresholds?	Yes	Yes	Yes	No	No	Yes

GHG Emissions

Source	Buildout MTons/Year	Percent of
		Project Total
Area	392	1%
Energy	18,441	40%
Mobile	19,444	42%
Waste	5,327	12%
Water	2,383	5%
Total All Sectors	45,987	100%
Service Population (Residents+Employees)*	1,627	
Per Capita	28.26	N/A

Regional Operation Emissions Worksheet

Existing - 2035 Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	219.467	26.4518	313.3957	0.4185	25.4164	25.4164
Energy	1.6386	14.5114	9.6872	8.94E-02	1.1322	1.1322
Mobile	14.0099	21.1879	168.38	0.7069	108.4507	29.0145
Total	235.1155	62.151	491.463	1.2148	134.9993	55.563

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	219.467	26.4518	313.3957	0.4185	25.4164	25.4164
Energy	1.6386	14.5114	9.6872	8.94E-02	1.1322	1.1322
Mobile	13.7024	21.9605	160.5761	0.6708	108.451	29.0147
Total	234.808	62.9237	483.6591	1.1786	134.9995	55.5632

Maximum Emissions

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	219.467	26.452	313.396	0.419	25.416	25.416
Energy	1.639	14.511	9.687	0.089	1.132	1.132
Mobile	14.010	21.961	168.380	0.707	108.451	29.015
Total	235.116	62.924	491.463	1.215	135.000	55.563

Regional Thresholds

Exceeds Thresholds?	55 Yes	55 Yes	550 No	150 No	150 No	55 Yes
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Buildout - Year 2035

Remaining Existing Buildings

Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	160.6783	22.9491	251.5161	0.3395	19.9092	19.9092
Energy	0.9426	8.248	4.8459	5.14E-02	0.6512	0.6512
Mobile	23.265	34.6658	260.5716	1.0768	164.1025	43.9136
Total	184.8858	65.863	516.9336	1.4677	184.6629	64.474

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	160.6783	22.9491	251.5161	0.3395	19.9092	19.9092
Energy	0.9426	8.248	4.8459	5.14E-02	0.6512	0.6512
Mobile	22.7273	35.8025	249.7094	1.0218	164.103	43.9141
Total	184.3482	66.9996	506.0713	1.4127	184.6634	64.4745

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	160.678	22.949	251.516	0.340	19.909	19.909
Energy	0.943	8.248	4.846	0.051	0.651	0.651
Mobile	23.265	35.803	260.572	1.077	164.103	43.914
Total	184.886	67.000	516.934	1.468	184.663	64.475

New Buildings - NonResidential**Summer**

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	128.7312	5.75E+01	292.839	3.61E-01	5.90E+00	5.90E+00
Energy	3.1167	27.6138	18.5235	1.70E-01	2.1533	2.1533
Mobile	24.3473	36.2785	272.6939	1.1269	171.7369	45.9565
Total	156.1952	121.3795	584.0565	1.6583	179.787	54.0067

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	128.7312	5.75E+01	292.839	3.61E-01	5.90E+00	5.90E+00
Energy	3.1167	27.6138	18.5235	1.70E-01	2.1533	2.1533
Mobile	23.7847	37.4681	261.3263	1.0694	171.7374	45.957
Total	155.6325	122.5691	572.6889	1.6007	179.7876	54.0072

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	128.731	57.487	292.839	0.361	5.897	5.897
Energy	3.117	27.614	18.524	0.170	2.153	2.153
Mobile	24.347	37.468	272.694	1.127	171.737	45.957
Total	156.195	122.569	584.056	1.658	179.788	54.007

New Buildings - Residential**Summer**

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	7.9296	5.3662	27.3167	0.0337	0.5504	0.5504
Energy	0.1498	1.2803	0.5448	8.17E-03	0.1035	0.1035
Mobile	2.5643	3.8207	28.7202	0.1187	18.0874	4.8402
Total	10.6436	10.4672	56.5816	0.1606	18.7413	5.4941

Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	7.9296	5.3662	27.3167	0.0337	0.5504	0.5504
Energy	0.1498	1.2803	0.5448	8.17E-03	0.1035	0.1035
Mobile	2.505	3.946	27.5229	0.1126	18.0874	4.8402
Total	10.5844	10.5925	55.3844	0.1545	18.7413	5.4941

Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	7.930	5.366	27.317	0.034	0.550	0.550
Energy	0.150	1.280	0.545	0.008	0.104	0.104
Mobile	2.564	3.946	28.720	0.119	18.087	4.840
Total	10.644	10.593	56.582	0.161	18.741	5.494

Combined

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	297.339	85.803	571.672	0.735	26.357	26.357
Energy	4.209	37.142	23.914	0.230	2.908	2.908
Mobile	50.177	77.217	561.986	2.322	353.928	94.711
Total	351.725	200.161	1,157.572	3.287	383.192	123.976

Net Difference

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	77.872	59.351	258.276	0.316	0.940	0.940
Energy	2.571	22.631	14.227	0.140	1.776	1.776
Mobile	36.167	55.256	393.606	1.616	245.477	65.697
Total	116.609	137.238	666.109	2.072	248.193	68.413

SCAQMD Significance Thresholds	55	55	550	150	150	55
Exceeds Thresholds?	Yes	Yes	Yes	No	Yes	Yes

GHG Emissions Inventory

Existing - 2016

Source	Buildout MTons/Year	Percent of Project Total
Area	392	1%
Energy	18,441	40%
Mobile	19,444	42%
Waste	5,327	12%
Water	2,383	5%
Total All Sectors	45,987	100%
Service Population (Visitors, Patients, & Employees)	1,627	persons
Per Capita	28.26	N/A

Proposed Project Buildout

Year	MTons Total
2018	6,363
2019	4,584
2020	4,289
2021	4,177
2022	3,719
2023	3,489
2024	3,448
2025	3,352
2026	3,280
2027	3,217
2028	3,148
2029	3,110
2030	2,795
Total Construction	48,972

Proposed Project

Remaining Existing Land Uses

Source	Buildout MTons/Year	Percent of Project Total
Area	340	1%
Energy	9,023	26%
Mobile	17,227	49%
Waste	5,605	16%
Water	2,748	8%
Total All Sectors	34,943	100%

New Land Uses - Non-Residential

Source	Buildout MTons/Year	Percent of Project Total
Area	848	1%
Energy	31,408	54%
Mobile	18,028	31%
Waste	5,868	10%
Water	2,271	4%
Total All Sectors	58,423	100%

New Land Uses - Residential

Source	Buildout MTons/Year	Percent of Project Total
Area	79	0%
Energy	1,317	2%
Mobile	1,899	3%
Waste	618	1%
Water	239	0%
Total All Sectors	4,152	7%

Combined

Source	Buildout MTons/Year	Percent of Project Total
Area	1,267	1%
Energy	41,748	42%
Mobile	37,154	37%
Waste	12,090	12%
Water	5,259	5%
Amortized Construction Emissions*	1,632	2%
Total All Sectors	99,150	100%

Service Population (Residents & Employees)	21,896	persons
Per Capita	4.53	MTCO ₂ e/SP/year
Forecasted Year 2035 Emission Rate	2.3	MTCO ₂ e/SP/year
Exceeds Per Capita Emission Rate?	Yes	

*Total construction emissions are amortized over 30 years per SCAQMD methodology; SCAQMD. 2010, September 28. Greenhouse Gases (GHG) CEQA Significance Thresholds Working Group Meeting 15.
<http://www.aqmd.gov/ceqa/handbook/GHG/2010/sept28mtg/sept29.html>.

Net Difference

Source	Buildout MTons/Year	Percent Change
Area	875	223%
Energy	23,307	126%
Mobile	17,709	91%
Waste	6,763	127%
Water	2,876	121%
Amortized Construction Emissions	1,632	n/a
Total All Sectors	53,163	116%
SCAQMD Bright-Line Screening Threshold	3,000	
Exceed Threshold?	Yes	

GHG Emissions Target Setting - Forecasting the 2030 Efficiency Target

2020 Scoping Plan Emissions Inventory

Source: CARB 1990 Inventory. California Air Resources Board. 2007, November. California Greenhouse Gas Inventory (millions of metric tonnes of CO2 equivalent) — Summary by Economic Sector.

1990 End Use Sector	MTCO ₂ e	Notes
Electricity	96,100,000	Removed Industrial
Transportation	137,990,000	On-Road Only
Landfills	6,260,000	Landfill Extracted from Industrial
Wastewater	3,170,000	Wastewater Treatment Extracted from Industrial
Commercial	13,860,000	Removed National Security
Residential	29,660,000	Includes all
TOTAL LAND USE	287,040,000	

2030 Scoping Plan Emissions Inventory

Source: Pathways Main Outputs Final (Jan 2017). California Air Resources Board. 2017, January 20. The 2017 Climate Change Scoping Plan Update: The Proposed Strategy for Achieving California's 2030 Greenhouse Gas Target. https://www.arb.ca.gov/cc/scopingplan/2030sp_pp_final.pdf.

End Use Sector 2030	MMTCO ₂ e				Sector Definition
	Reference Scenario	Scoping Plan Scenario	Change	Percent Change	
Residential	47.6	38.4	-9.2	-19.3%	Residential final energy consumption
Commercial	37.2	26.8	-10.4	-27.8%	Commercial final energy consumption
Transportation	123.1	104.1	-19	-15.5%	Transportation energy consumption
Industrial*	32.2	27.7	-4.5	-14.0%	Industrial manufacturing final energy consumption,
Oil & Gas Extraction*	11.6	11.2	-0.4	-3.4%	Energy used in the extraction of oil and gas
Petroleum Refining*	42.8	36.8	-5.9	-13.9%	Energy used in petroleum Refining
Agriculture	7.9	6	-1.9	-24.1%	Energy use of physical infrastructure of agriculture, like buildings and pumps
Transportation Communications and Utilities	5.7	4.3	-1.4	-23.8%	Transportation Communications and Utilities (TCU) energy supports public infrastructure, like street lighting and waste treatment facilities
Non-Energy GHGs*	84.3	49.4	-34.9	-41.40%	Examples of non-energy GHG emissions include methane and N ₂ O emissions from agriculture and waste, refrigerant F-gases, and emissions from cement production
Solid Waste Non-Energy GHGs	10.73	9.17	-1.56	-14.54%	Isolated the Solid Waste Subsector
Unspecified	0	0	0	n/a	
GAP* Cap-and-Trade (Industrial Sectors)	392.4	304.8	-87.6	-22.30%	
*Cap-and-Trade & new 20% Industrial Measure to Cover GAP	-132.4	-44.8			

GHG Emissions Target Setting - Forecasting the 2030 Efficiency Target

STATEWIDE SERVICE POPULATION CALCULATIONS

Population

2020	40,619,346
2030	44,085,600
2035	45,747,645
2040	47,233,240
2050	49,779,362

California Department of Finance. 2014, December. Report P-1 (County): State and County Total Population Projections, 2010-2060 (5 -year increments). <http://www.dof.ca.gov/Forecasting/Demographics/Projections/>

CALIFORNIA SERVICE POPULATION (ESTIMATE)

Employment

	Total Employment	Farm Employment	Natural Resources and Mining Employment	Manufacturing Employment	Employment w/o Industrial and Agricultural Sectors
2020	17,511,810	417,750	25,690	1330860	15,737,510
2030	19,210,760	420,010	25,790	1370380	17,394,580
2035	20,027,660	421,330	25,980	1388630	18,191,720
2040	20,848,900	422,660	26,180	1407190	18,992,870
2050	22,595,640	425,320	26,590	1445270	20,698,460

California Department of Transportation. 2016. Long-Term Socio-Economic Forecasts by County. http://www.dot.ca.gov/hq/tpp/offices/eab/socio_economic.html

Service Population (SP)

	Total Employment	Employment w/o Industrial and Agricultural Sectors
2020	58,131,156	56,356,856
2030	63,296,360	61,480,180
2035	65,775,305	63,939,365
2040	68,082,140	66,226,110
2050	72,375,002	70,477,822

Project Horizon Year Estimate

	2035
2035 population	45,747,645
2035 employment (w/o industrial & Ag)	18,191,720
2035 SP	63,939,365

GHG Emissions Target Setting - Forecasting the 2030 Efficiency Target

2030 Scoping Plan - Efficiency Metric

Year 2020 Plan-Level

2020 Target (Plan-Level)	MMTCO ₂ e	431
2020 Per Capita Target	MTCO ₂ e/pc	10.6
2020 Per Service Population Target (Plan-Level)	MTCO ₂ e/sp	7.6

Year 2020 Project-Level

2020 Target (Project-Level)	MMTCO ₂ e	287.0
2020 Per Capita Target	MTCO ₂ e/pc	7.1
2020 Per Service Population Target (Project-Level)	MTCO ₂ e/sp	5.1

Year 2030 Plan-Level

2030 Target (Plan-Level)	MMTCO ₂ e	260
2030 Per Capita Target	MTCO ₂ e/pc	5.9
2030 Per Service Population Target (Plan-Level)	MTCO ₂ e/sp	4.1

Year 2030 Project-Level

Land Use Inventory (Project-Level)	MMTCO ₂ e	182.8
2030 Per Capita Target	MTCO ₂ e/pc	4.1
2030 Per Service Population Target (Project-Level)	MTCO ₂ e/sp	3.0

Year 2050 Plan-Level

2050 Target estimated (Plan-Level)	MMTCO ₂ e	86
2050 Per Capita Target	MTCO ₂ e/pc	1.7
2050 Per Service Population Target (Plan-Level)	MTCO ₂ e/sp	1.2

Year 2050 Project-Level

2050 Target estimated (Plan-Level)	MMTCO ₂ e	57
2050 Per Capita Target	MTCO ₂ e/pc	1.2
2050 Per Service Population Target (Plan-Level)	MTCO ₂ e/sp	0.8

Project Horizon Year Estimate

	2035		
Land Use Inventory (Project-Level)	MMTCO ₂ e	151.4	-47%
2035 Per Service Population Target (Project-Level)	MTCO ₂ e/sp	2.4	

Criteria Air Pollutant and GHG Emissions Modeling Assumptions

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CalEEMod Land Use Inputs: Existing

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Residential	Single Family ¹	7	DU	0.66	12,600
Residential	Condo/Townhouse ²	193	DU	13.10	193,000
Residential	Mobile Home Park ³	336	DU	32.40	403,200
Residential	Apartments Low Rise ²	941	DU	42.90	941,000
Residential	Congregate Care ⁴	80	DU	1.80	79,958
Residential	Retirement Community	110	DU	1.17	61,500
Recreational	Motel	879	room	14.50	327,773
Commercial	Hospital	242.119	1000bsf	12.80	242,119
Commercial	Medical Office	113.602	1000bsf	7.60	113,602
Educational	Place of Worship	11.890	1000bsf	3.51	11,890
Retail	Gasoline/Service Station	20	pumps	1.62	6,422
Recreational	City Park	22.8	acre	22.80	11,601
Retail	Strip Mall	352.517	1000bsf	31.60	352,517
Retail	Automotive Care Center	8.583	1000bsf	7.61	8,583
Recreational	Health Club	53.984	1000bsf	3.76	53,984
Commercial	General Office	12.175	1000bsf	1.30	12,175
Parking	Other Asphalt Surfaces	41.6	acre	41.60	0
Parking	Other NonAsphalt Surfaces	42.1	acre	42.10	0
				282.82	2,831,924.00

¹ Total land use square feet based on CalEEMod default assumption of 1,800 sf/dwelling unit.

² Total land use square feet based on CalEEMod default assumption of 1,000 sf/dwelling unit.

³ Total land use square feet based on CalEEMod default assumption of 1,200 sf/dwelling unit.

⁴ Land use unit amount based on CalEEMod default assumption of 1,000 sf/dwelling units.

Project Location: Orange County SC
 Climate Zone: 8
 Operation Year: 2016
 Land Use Setting: Urban
 Utility Company: APU
 Source Receptor Area: 17 - Central Orange County

Land Uses/Development

Service Population

<i>Population:</i>	5,139
<i>Employees:</i>	1,627
Total Service Population	6,766

Buildings

Land Use	Existing (SF)	Lot Acreage	Dwelling Units/Rooms
<i>Single Family</i>	12,600	0.66	7
<i>Condo/Townhouse</i>	193,000	13.10	193
<i>Mobile Home Park</i>	403,200	32.40	336
<i>Apartments Low Rise</i>	941,000	42.90	941
<i>Congregate Care</i>	79,958	1.80	
<i>Retirement Community</i>	61,500	1.17	110
Residential Total	1,691,258	92	1,587
<i>Motel</i>	327,773	14.50	879
<i>Hospital</i>	242,119	12.80	
<i>Medical Office</i>	113,602	7.60	
<i>Place of Worship</i>	11,890	3.51	
<i>Gasoline/Service Station</i>	6,422	1.62	
<i>City Park</i>	11,601	22.80	
<i>Strip Mall</i>	352,517	31.60	
<i>Automotive Care Center</i>	8,583	7.61	
<i>Health Club</i>	53,984	3.76	
<i>Community Center</i>	12,175	1.30	
<i>Right-of-Way</i>		41.60	
<i>Flood Control Channel/Vacant Space</i>		42.10	
Non-Residential Total	1,140,666	191	879

*Existing square footage based on CalEEMod default of 1,000 SF/DU.

Trip Generation

Average Daily Trips:* 20,289 ADTs

Land Use	Trips Per Day**	Trip Generation Rate
Single Family	1,268	181.15
Condo/Townhouse	1,268	6.57
Mobile Home Park	1,268	3.77
Apartments Low Rise	1,268	1.35
Congregate Care	1,268	15.85
Retirement Community	1,268	11.53
Motel	1,268	1.44
Hospital	1,268	5.24
Medical Office	1,268	11.16
Place of Worship	1,268	106.65
Gasoline/Service Station	1,268	63.40
City Park	1,268	55.62
Strip Mall	1,268	3.60
Automotive Care Center	1,268	147.74
Health Club	1,268	23.49
General Office	1,268	104.15

Daily Vehicle Miles Traveled:*	142,023	miles	people	miles/Person
Average Trip Length:	7.00	miles/trip	6,766	20.99
			51,696,372	

Land Use	Vehicle Miles Traveled Per Day**	Average Trip Length (mi)	Vehicle Miles Traveled Per Year**
Single Family	8,876	7.00	3,239,900
Condo/Townhouse	8,876	7.00	3,239,900
Mobile Home Park	8,876	7.00	3,239,900
Apartments Low Rise	8,876	7.00	3,239,900
Congregate Care	8,876	7.00	3,239,900
Retirement Community	8,876	7.00	3,239,900
Motel	8,876	7.00	3,239,900
Hospital	8,876	7.00	3,239,900
Medical Office	8,876	7.00	3,239,900
Place of Worship	8,876	7.00	3,239,900
Gasoline/Service Station	8,876	7.00	3,239,900
City Park	8,876	7.00	3,239,900
Strip Mall	8,876	7.00	3,239,900
Automotive Care Center	8,876	7.00	3,239,900
Health Club	8,876	7.00	3,239,900
General Office	8,876	7.00	3,239,900
Total	142,023	NA	51,838,395

*Based on information provided by Fehr & Peers.

**For purposes of this analysis, vehicle trips and miles traveled are proportioned equally between the land uses.

Water Use*

Water Demand

Total Average Use Per Day:	763,699	gallons per day (gpd) ¹
Total Average Use Per Year:	278,750,135	gallons per year (gpy) ²

Wastewater Generation

Total Average Generated Per Day	296,313	gpd ¹
Total Average Generated Per Year:	108,154,245	gpy ²

CalEEMod Inputs

Land Use	Indoor³	Outdoor³	Total
<i>Single Family</i> ¹	6,759,640	10,662,243	17,421,883
<i>Condo/Townhouse</i> ²	6,759,640	10,662,243	17,421,883
<i>Mobile Home Park</i> ³	6,759,640	10,662,243	17,421,883
<i>Apartments Low Rise</i> ²	6,759,640	10,662,243	17,421,883
<i>Congregate Care</i> ⁴	6,759,640	10,662,243	17,421,883
<i>Retirement Community</i>	6,759,640	10,662,243	17,421,883
<i>Motel</i>	6,759,640	10,662,243	17,421,883
<i>Hospital</i>	6,759,640	10,662,243	17,421,883
<i>Medical Office</i>	6,759,640	10,662,243	17,421,883
<i>Place of Worship</i>	6,759,640	10,662,243	17,421,883
<i>Gasoline/Service Station</i>	6,759,640	10,662,243	17,421,883
<i>City Park</i>	6,759,640	10,662,243	17,421,883
<i>Strip Mall</i>	6,759,640	10,662,243	17,421,883
<i>Automotive Care Center</i>	6,759,640	10,662,243	17,421,883
<i>Health Club</i>	6,759,640	10,662,243	17,421,883
<i>General Office</i>	6,759,640	10,662,243	17,421,883
<i>Other Asphalt Surfaces</i>	0	0	0
<i>Other NonAsphalt Surfaces</i>	0	0	0
Total	108,154,245	170,595,890	278,750,135

¹ Fuscoe Engineering, Inc. 2017, June 23. City of Anaheim Beach Boulevard Specific Plan: Infrastructure Technical Report for Hydrology, Sewer, Water, and Water Quality.

² Based on 365 days per year.

³ For purposes of this analysis, indoor and outdoor water use are proportioned equally among the land uses except for Other Asphalt Surfaces and Other NonAsphalt Surfaces.

Solid Waste*

Land Uses	Solid Waste Generation		
	Pounds Per Day ¹	Pounds Per Year	Tons Per Year ²
Residential Solid Waste:	18,064	6,593,360	3,297
Non-Residential Solid Waste:	40,002	14,600,730	7,300
Total	58,066	21,194,090	10,597

Land Use	Annual Solid Waste Generated (tpy) ³
Single Family	662
Condo/Townhouse	662
Mobile Home Park	662
Apartments Low Rise	662
Congregate Care	662
Retirement Community	662
Motel	662
Hospital	662
Medical Office	662
Place of Worship	662
Gasoline/Service Station	662
City Park	662
Strip Mall	662
Automotive Care Center	662
Health Club	662
Community Center	662
Right-of-Way	0
Flood Control Channel/Vacant Space	0
Total	10,597

¹ Based on CalRecycle waste generation rates. See Chapter 5.15, Utilities and Service Systems, of the DEIR for further details.

² Based on 365 days per year.

³ For purposes of this analysis, solid waste generation is proportioned equally among the land uses except for the the areas designated for right-of-way and flood control/vacant space.

Electricity (Buildings)

Assumes existing buildings are built to meet the 2005 Building Energy Efficiency Standards.

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Motel	327,773	2.0	655,546	491,660	163,887
Hospital	242,119	2.0	484,238	363,179	121,060
Medical Office	113,602	2.0	227,204	170,403	56,801
Place of Worship	11,890	2.0	23,780	17,835	5,945
Gasoline/Service Station	6,422	2.0	12,844	9,633	3,211
City Park	11,601	2.0	23,202	17,402	5,801
Strip Mall	352,517	2.0	705,034	528,776	176,259
Automotive Care Center	8,583	2.0	17,166	12,875	4,292
Health Club	53,984	2.0	107,968	80,976	26,992
General Office	12,175	2.0	24,350	18,263	6,088
			Non-Residential Sub-Total	1,710,999	570,333
Single Family	12,600	2.7	34,020	25,515	8,505
Condo/Townhouse	193,000	2.7	521,100	390,825	130,275
Mobile Home Park	403,200	2.7	1,088,640	816,480	272,160
Apartments Low Rise	941,000	2.7	2,540,700	1,905,525	635,175
Congregate Care	79,958	2.7	215,887	161,915	53,972
Retirement Community	61,500	2.7	166,050	124,538	41,513
			Residential Sub-Total	3,424,797	1,141,599

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

Hearths

	Dwelling Units with Gas Fireplace	Dwelling Units W/O Fireplace*
Single Family	7	0
Condominium/Townhome	193	0
Mobile Home Park	0	336
Apartments Low Rise	0	941
Congregate Care	0	80
Retirement Community	0	110

* Assumed no fireplaces for multi-family dwellings based on SCAQMD Rule 445, Wood-Burning Devices.

Carbon Intensity Factors

Anaheim Public Utilities District

Emission Factors*

	MTon/MWH	Ton/MWH	lbs/MWH
CO ₂	0.649	0.715399836	1430.800
CH ₄	0.000013	1.433E-05	0.029
N ₂ O	0.000003	3.30693E-06	0.00661

1 ton= 0.907185 metric ton (MTon)
 1 ton= 2000 pounds

*Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

CalEEMod Land Use Inputs: Remaining Existing

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Residential	Condo/Townhome	193	DU	13.10	193,000
Residential	Mobile Home Park	307	DU	14.20	368,400
Residential	Apartments Low Rise	888	DU	42.90	888,000
Recreational	Motel	51.00	Room	0.84	18,928
Commercial	Hospital	146.009	1000bsf	4.10	146,009
Commercial	Medical Office	106.632	1000bsf	0.00	106,632
Recreational	City Park	22.8	Acre	22.80	11,601
Retail	Strip Mall	1.268	1000bsf	0.00	1,268
Recreational	Health Club	29.134	1000bsf	0.00	29,134
Parking Lot	Other Asphalt Surfaces	41.6	Acre	41.60	0
				139.54	1,762,972.00
Project Location:	Orange County SC				
Climate Zone:	8				
Operation Year	2035				
Land Use Setting	Urban				
Utility Company	APU				
Source Receptor Area:	17 - Central Orange County				

Land Uses/Development

Buildout Service Population

Population:	16,166
Employees:	5,730
Total Service Population	21,896

Remaining Existing Land Uses

Land Use	Existing			Assumed Demolition*			Total Remaining		
	Square Feet	DU/Room	Acres	Square Feet	DU	Acres	Square Feet	DU	Acres
Single Family	12,600	7	0.66	12,600	7	0.66	0	0	0.00
Condo/Townhome	193,000	193	13.10	0	0	0.00	193,000	193	13.10
Mobile Home Park	403,200	336	32.40	34,800	29	1.80	368,400	307	30.60
Apartments Low Rise	941,000	941	42.90	53,000	53	0.00	888,000	888	42.90
Congregate Care	79,958	80	1.80	79,958	80	1.80	0	0	0.00
Retirement Community	61,500	110	1.17	61,500	110	1.17	0	0	0.00
Motel	327,773	879	14.50	308,845	828	13.66	18,928	51	0.84
Hospital	242,119	0	12.80	96,110	0	8.70	146,009	0	4.10
Medical Office	113,602	0	7.60	6,970	0	0.90	106,632	0	6.70
Place of Worship	11,890	0	3.51	11,890	0	3.51	0	0	0.00
Gasoline/Service Station	6,422	0	1.62	6,422	0	1.62	0	0	0.00
City Park	11,601	0	22.80	0	0	0.00	11,601	0	22.80
Strip Mall	352,517	0	31.60	351,249	0	31.60	1,268	0	0.00
Automotive Care Center	8,583	0	7.61	8,583	0	7.61	0	0	0.00
Health Club	53,984	0	3.76	24,850	0	0.90	29,134	0	2.86
General Office	12,175	0	1.30	12,175	0	1.30	0	0	0.00
Other Asphalt Surfaces	0	0	41.60	0	0	0.00	0	0	41.60
Other NonAsphalt Surfaces	0	0	42.10	0	0	0.00	0	0	42.10
Total	2,831,924	2,546	282.8	968,552	89	75	1,863,372	1,439	208

*Based on the anticipated area of change.

Buildout Land Uses

Residential Dwelling Units:	1,887	DUs
Non-Residential Square Footage:	1,082,061	SF
Acreage:	3.76	acres
Service Population (Residents/Employees):	21,896	persons

Existing Remaining Land Uses				
Land Uses	Square Footage	DU	Room	Acres
Condo/Townhouse	193,000	193	0	13.10
Mobile Home Park	368,400	307	0	14.20
Apartments Low Rise	888,000	888	0	42.90
Apartment Mid Rise				0
Residential Subtotal	1,449,400	1,388	0	70.20
Motel	18,928	0	51	0.84
Hospital	146,009	0		4.10
Medical Office	106,632	0		0
City Park	11,601	0		22.80
Strip Mall	1,268	0		0
Health Club	29,134	0		0
General Office		0		0
Sit Down Restaurant		0		0
Other Asphalt Surfaces		0		41.60
Other NonAsphalt Surfaces		0		0.0
Non-Residential Total	313,572	0	51	69.34

Land Uses	New Proposed Land Uses				Total Buildout Land Uses			
	Square Footage	DU	Room	Acres	Square Footage	DU	Room	Acreage
Condo/Townhouse	306,000	306	0	17.50	499,000	499	0	30.60
Mobile Home Park	0	0	0	0	368,400	307	0	14.20
Apartments Low Rise	0	0	0	0	888,000	888	0	42.90
Apartment Mid Rise	2,390,000	3,278	0	35.62	2,390,000	3,278	0	35.62
Residential Subtotal	2,696,000	3,584	0	53.12	4,145,400	4,972	0	123
Motel	210,072	0	407	4.42	229,000	0	458	5.26
Hospital	446,407	0	0	9.50	592,416	0	0	13.60
Medical Office	0	0	0	0	106,632	0	0	0.00
City Park	80,797	0	0	5.10	92,398	0	0	27.90
Strip Mall	1,087,531	0	0	60.29	1,088,799	0	0	60.29
Health Club	0	0	0	0	29,134	0	0	0
General Office	34,031	0	0	4.33	34,031	0	0	4.33
Sit Down Restaurant	100,333	0	0	2.30	100,333	0	0	2.30
Other Asphalt Surfaces	0	0	0	0.00	0	0	0	41.60
Other NonAsphalt Surfaces	0.00	0	0	4.20	0	0	0	4.20
Non-Residential Total	1,959,171	0	407	90.14	2,272,743	0	458	159.5

Trip Generation

Land Use	Trip Generation Rate	Trips Per Day
Condo/Townhome	12.90	2,490
Mobile Home Park	20.97	6,438
Apartments Low Rise	7.25	6,438
Motel	14.06	717
Hospital	10.87	1,587
Medical Office	60.38	6,438
City Park	230.75	5,261
Strip Mall	5.91	7
Health Club	220.98	6,438
Other Asphalt Surfaces	0	0
Total	NA	35,814
Average Trip Length:	6.00	miles/trip

Land Use	Vehicle Miles Traveled Day**
Condo/Townhome	14,940
Mobile Home Park	38,628
Apartments Low Rise	38,628
Motel	4,301
Hospital	9,520
Medical Office	38,628
City Park	31,567
Strip Mall	45
Health Club	38,628
Other Asphalt Surfaces	0
	214,885

*Based on information provided by Fehr & Peers.

Water Use

Water Demand

Total Average Use Per Year: 306,755,491 gallons per year (gpy)²

Wastewater Generation

Total Average Generated Per Year: 183,721,582 gpy²

CalEEMod Inputs

Land Use	Indoor Rate/Yr	Total Indoor ³	Outdoor/Yr	Total Outdoor ³	Total
Condo/Townhome	66,184	12,773,533	44,322	8,554,126	21,327,659
Mobile Home Park	107,576	33,025,869	72,041	22,116,628	55,142,497
Apartments Low Rise	37,191	33,025,869	24,906	22,116,628	55,142,497
Motel	72,109	3,677,553	48,290	2,462,769	6,140,322
Hospital	55,748	8,139,676	37,333	5,450,944	13,590,620
Medical Office	309,718	33,025,869	207,411	22,116,628	55,142,497
City Park	1,183,723	26,988,882	792,711	18,073,803	45,062,685
Strip Mall	30,332	38,461	20,313	25,757	64,218
Health Club	1,133,585	33,025,869	759,135	22,116,628	55,142,497
Other Asphalt Surfaces	0	0	0	0	0
Total	NA	183,721,582	NA	123,033,909	306,755,491

¹ Based on information provided by Fuscoe Engineering, Inc. (Appendix xx). See Section 5.15, Utilities and Service Systems, of the DEIR for further details.

² Based on 365 days per year.

³ For purposes of this analysis, indoor and outdoor water use are proportioned equally amount the land uses except for Other Asphalt Surfaces and Other NontAsphalt Surfaces.

Solid Waste*

Land Use	Annual Solid Waste Generation Rate (tpy/unit)	Solid Waste Generated Per Year (tpd)
<i>Condo/Townhome</i>	4.01	774.86
<i>Mobile Home Park</i>	6.53	2,003.39
<i>Apartments Low Rise</i>	2.26	2,003.39
<i>Motel</i>	4.37	223.09
<i>Hospital</i>	3.38	493.76
<i>Medical Office</i>	18.79	2,003.39
<i>City Park</i>	71.81	1,637.18
<i>Strip Mall</i>	1.84	2.33
<i>Health Club</i>	68.76	2,003.39
<i>Other Asphalt Surfaces</i>	0	0
Total	NA	11,145

*See Chapter 5.16, Utilities and Service Systems.

**Based on 365 days per year.

Electricity (Buildings)

Assumes existing buildings meet the 2005 Building Energy Efficiency Standards.

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Condo/Townhome	193,000	2.7	521,100	390,825	130,275
Mobile Home Park	368,400	2.7	994,680	746,010	248,670
Apartments Low Rise	888,000	2.7	2,397,600	1,798,200	599,400
Non-Residential Sub-Total				2,935,035	978,345
Motel	18,928	2.0	37,856	28,392	9,464
Hospital	146,009	2.0	292,018	219,014	73,005
Medical Office	106,632	2.0	213,264	159,948	53,316
City Park	11,601	2.0	23,202	17,402	5,801
Strip Mall	1,268	2.0	2,536	1,902	634
Health Club	29,134	2.0	58,268	43,701	14,567
Other Asphalt Surfaces	0	2.0	0	0	0
Residential Sub-Total				470,358	156,786

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

Hearths

	Dwelling Units with Gas Fireplace	Dwelling Units W/O Fireplace*
Condo/Townhome	193	0
Mobile Home Park	0	307
Apartments Low Rise	0	888

* Assumed no fireplaces for multi-family dwellings based on SCAQMD Rule 445, Wood-Burning Devices.

Carbon Intensity Factors

Anaheim Public Utilities District

Emission Factors*

	MTon/MWH	Ton/MWH	lbs/MWH
CO ₂	0.649	0.715399836	1430.800
CH ₄	0.000013	1.433E-05	0.029
N ₂ O	0.000003	3.30693E-06	0.00661

1 ton= 0.907185 metric ton (MTon)

1 ton= 2000 pounds

*Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

CalEEMod Land Use Inputs: Proposed New Land Uses

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Residential	Condo/Townhouse	306	DU	17.50	306,000
Residential	Apartment Mid Rise	3,278	DU	35.62	3,278,000
	Motel	407	Room	4.42	210,072
	Hospital	446.407	1000bsf	9.50	446,407
	City Park	5.1	Acre	5.10	80,797
Retail	Strip Mall	1,087.531	1000bsf	60.29	1,087,531
Commercial	General Office	34.031	1000bsf	4.33	34,031
	Sit Down Restaurant	100.333	1000bsf	2.30	100,333
Parking Lot	Other NonAsphalt Surfaces	4.20	Acre	4.20	0
				143.26	5,543,171.00
Project Location:	Orange County SC				
Climate Zone:	8				
Operation Year	2035				
Land Use Setting	Urban				
Utility Company	APU				
Source Receptor Area:	17 - Central Orange County				

Land Uses/Development

Buildout Service Population

<i>Population:</i>	16,166	
<i>Employees:</i>	5,730	4,103
Total Service Population	21,896	

Buildout Land Uses

<i>Acreage:</i>	282.82	acres
<i>Service Population (Residents/Employees):</i>	21,896	persons

New Proposed Land Uses

Land Uses	Square Footage	DU	Room	Acres
<i>Condo/Townhouse</i>	306,000	306	0	17.50
<i>Apartment Mid Rise</i>	3,278,000	3,278	0	35.62
<i>Residential Subtotal</i>	<i>2,696,000</i>	<i>3,584</i>	<i>0</i>	53.12
<i>Motel</i>	210,072	0	407	4.42
<i>Hospital</i>	446,407	0	0	9.50
<i>City Park</i>	80,797	0	0	5.10
<i>Strip Mall</i>	1,087,531	0	0	60.29
<i>General Office</i>	34,031	0	0	4.33
<i>Sit Down Restaurant</i>	100,333	0	0	2.30
<i>Other NonAsphalt Surfaces</i>	0.00	0	0	4.20
<i>Non-Residential Total</i>	<i>1,959,171</i>	<i>0</i>	<i>407</i>	90.14

Trip Generation

Land Use	Trip Generation Rate	Trips Per Day	
Condo/Townhouse	12.90	3,948	
Apartment Mid Rise	1.96	6,438	
Motel	14.06	5,721	
Hospital	10.87	4,851	
City Park	230.75	1,177	
Strip Mall	5.91	6,431	
General Office	189.18	6,438	
Sit Down Restaurant	64.17	6,438	
Other NonAsphalt Surfaces	0	0	
		41,442	77,256
Average Trip Length:	6.00	miles/trip	

Land Use	Vehicle Miles Traveled Day**	
Condo/Townhouse	23,688	
Apartment Mid Rise	38,628	
Motel	34,326	
Hospital	29,107	
City Park	7,061	
Strip Mall	38,583	
General Office	38,628	
Sit Down Restaurant	38,628	
Other NonAsphalt Surfaces	0	
Total	248,648	463,533

*Based on information provided by Fehr & Peers.

**For purposes of this analysis, vehicle trips and miles traveled are proportioned equally between the land uses.

Water Use

Water Demand

Total Average Use Per Year: 354,954,469 gallons per year (gpy)²

Wastewater Generation

Total Average Generated Per Year: 212,588,848 gpy²

CalEEMod Inputs

Land Use	Indoor Rate/Yr	Total Indoor ³	Outdoor/Yr	Total Outdoor ³	Total
Condo/Townhouse	66,184	20,252,337	44,322	13,562,501	33,814,838
Apartment Mid Rise	10,075	33,025,869	6,747	22,116,628	55,142,497
Motel	72,109	29,348,316	48,290	19,653,859	49,002,175
Hospital	55,748	24,886,193	37,333	16,665,683	41,551,877
City Park	1,183,723	6,036,987	792,711	4,042,824	10,079,811
Strip Mall	30,332	32,987,408	20,313	22,090,871	55,078,279
General Office	970,473	33,025,869	649,902	22,116,628	55,142,497
Sit Down Restaurant	329,163	33,025,869	220,432	22,116,628	55,142,497
Other NonAsphalt Surfaces	0	0	0	0	0
Total	NA	212,588,848	NA	142,365,621	354,954,469

¹ Fuscoe Engineering, Inc. 2017, June 23. City of Anaheim Beach Boulevard Specific Plan: Infrastructure Technical Report for Hydrology, Sewer, Water, and Water Quality.

² Based on 365 days per year.

³ For purposes of this analysis, indoor and outdoor water use are proportioned equally among the land uses except for Other Asphalt Surfaces and Other NontAsphalt Surfaces.

Solid Waste*

Land Use	Annual Solid Waste Generation Rate (tpy/unit)	Solid Waste Generated Per Year (tpd)
<i>Condo/Townhouse</i>	4.01	1,228.53
<i>Apartment Mid Rise</i>	0.61	2,003.39
<i>Motel</i>	4.37	1,780.31
<i>Hospital</i>	3.38	1,509.63
<i>City Park</i>	71.81	366.21
<i>Strip Mall</i>	1.84	2,001.06
<i>General Office</i>	58.87	2,003.39
<i>Sit Down Restaurant</i>	19.97	2,003.39
<i>Other NonAsphalt Surfaces</i>	0	0
Total	NA	12,896

*See Chapter 5.16, Utilities and Service Systems.

**Based on 365 days per year.

Electricity (Buildings)

Buildings constructed after January 1, 2017 are required to meet the 2016 Building Energy Efficiency Standards. The 2016 Standards are 5% more energy efficient for non-residential buildings than the 2013 Building Energy Efficiency Standards. The 2013 Standards are 30% more efficient for non-residential buildings than the 2008 Standards. Existing buildings are assumed to meet the 2005 Building Energy Efficiency Standards.

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Condo/Townhouse	306,000	2.7	826,200	619,650	206,550
Apartment Mid Rise	3,278,000	2.7	8,850,600	6,637,950	2,212,650
Non-Residential Sub-Total				7,257,600	2,419,200
Motel	210,072	2.0	420,144	315,108	105,036
Hospital	446,407	2.0	892,814	669,611	223,204
City Park	80,797	2.0	161,594	121,196	40,399
Strip Mall	1,087,531	2.0	2,175,063	1,631,297	543,766
General Office	34,031	2.0	68,061	51,046	17,015
Sit Down Restaurant	100,333	2.0	200,666	150,499	50,166
Other NonAsphalt Surfaces	0	2.0	0	0	0
Residential Sub-Total				2,938,757	979,586

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

Hearths

	Dwelling Units with Gas Fireplace	Dwelling Units W/O Fireplace*
Condo/Townhouse	306	0
Apartment Mid Rise	0	3,278

* Assumed no fireplaces for multi-family dwellings based on SCAQMD Rule 445, Wood-Burning Devices.

Carbon Intensity Factors

Anaheim Public Utilities District

*Emission Factors**

	MTon/MWH	Ton/MWH	lbs/MWH
CO ₂	0.649	0.715399836	1430.800
CH ₄	0.000013	1.433E-05	0.029
N ₂ O	0.000003	3.30693E-06	0.00661

1 ton= 0.907185 metric ton (MTon)
1 ton= 2000 pounds

*Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

CalEEMod Land Use Inputs: Full Buildout Summary (New and Remaining Existing)

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Residential	Condo/Townhouse	499.00	DU	30.60	499,000
Residential	Mobile Home Park	307.00	DU	14.20	368,400
Residential	Apartments Low Rise	888.00	DU	42.90	888,000
Residential	Apartment Mid Rise	3,278.00	DU	35.62	3,278,000
Recreation	Motel	458.00	Room	5.26	229,000
Office	Hospital	592.416	1000bsf	13.60	592,416
Office	Medical Office	106.632	1000bsf	0.00	106,632
Recreation	City Park	27.9	Acre	27.90	92,398
Retail	Strip Mall	1,088.799	1000bsf	60.29	1,088,799
Recreation	Health Club	29.134	1000bsf	0.00	29,134
Commercial	General Office	34.031	1000bsf	4.33	34,031
Recreation	Sit Down Restaurant	100.333	1000bsf	2.30	100,333
Parking Lot	Other Asphalt Surfaces	41.6	Acre	41.60	0
Parking Lot	Other NonAsphalt Surfaces	4.2	Acre	4.20	0
				282.80	7,306,143
Project Location:	Orange County SC				
Climate Zone:	8				
Operation Year	2035+				
Land Use Setting	Urban				
Utility Company	APU				
Source Receptor Area:	17 - Central Orange County				

Land Uses/Development

Buildout Service Population

Population:	16,166
Employees:	5,730
Total Service Population	21,896

Remaining Existing Land Uses

Land Use	Existing			Assumed Demolition*			Total Remaining		
	Square Feet	DU/Room	Acres	Square Feet	DU	Acres	Square Feet	DU	Acres
Single Family1	12,600	7	0.66	12,600	7	0.66	0	0	0.00
Condo/Townhouse2	193,000	193	13.10	0	0	0.00	193,000	193	13.10
Mobile Home Park3	403,200	336	32.40	34,800	29	1.80	368,400	307	30.60
Apartments Low Rise2	941,000	941	42.90	53,000	53	0.00	888,000	888	42.90
Congregate Care4	79,958	80	1.80	79,958	80	1.80	0	0	0.00
Retirement Community	61,500	110	1.17	61,500	110	1.17	0	0	0.00
Motel	327,773	879	14.50	308,845	828	13.66	18,928	51	0.84
Hospital	242,119	0	12.80	96,110	0	8.70	146,009	0	4.10
Medical Office	113,602	0	7.60	6,970	0	0.90	106,632	0	6.70
Place of Worship	11,890	0	3.51	11,890	0	3.51	0	0	0.00
Gasoline/Service Station	6,422	0	1.62	6,422	0	1.62	0	0	0.00
City Park	11,601	0	22.80	0	0	0.00	11,601	0	22.80
Strip Mall	352,517	0	31.60	351,249	0	31.60	1,268	0	0.00
Automotive Care Center	8,583	0	7.61	8,583	0	7.61	0	0	0.00
Health Club	53,984	0	3.76	24,850	0	0.90	29,134	0	2.86
General Office	12,175	0	1.30	12,175	0	1.30	0	0	0.00
Other Asphalt Surfaces	0	0	41.60	0	0	0.00	0	0	41.60
Other NonAsphalt Surfaces	0	0	42.10	0	0	0.00	0	0	42.10
Total	2,831,924	2,546	282.8	1,068,952	1,107	75	1,762,972	1,439	208

*Based on the anticipated area of change.

Buildout Land Uses

Acreage: 282.82 acres
 Service Population (Residents/Employees): 21,896 persons

Land Uses	Existing Remaining Land Uses			New Proposed Land Uses		
	Square Feet	DU	Room	Square Feet	DU	Room
Condo/Townhouse	193,000	193	0	306,000	306	0
Mobile Home Park	368,400	307	0	0	0	0
Apartments Low Rise	888,000	888	0	0	0	0
Apartment Mid Rise				3,278,000	3,278	0
Residential Subtotal	1,449,400	1,388	0	3,584,000	3,584	0
Motel	18,928	0	51	210,072	0	407
Hospital	146,009	0		446,407	0	0
Medical Office	106,632	0		0	0	0
City Park	11,601	0		80,797	0	0
Strip Mall	1,268	0		1,087,531	0	0
Health Club	29,134	0		0	0	0
General Office		0		34,031	0	0
Sit Down Restaurant		0		100,333	0	0
Other Asphalt Surfaces		0		0	0	0
Other NonAsphalt Surfaces		0		0.00	0	0
Non-Residential Total	313,572	0	51	1,959,171	0	407
	1,762,972	1,388	51	5,543,171	3,584	407

Land Uses	Total Buildout Land Uses			
	Square Footage	DU	Room	Lot Acreage
Condo/Townhouse	499,000	499	0	30.60
Mobile Home Park	368,400	307	0	14.20
Apartments Low Rise	888,000	888	0	42.90
Apartment Mid Rise	3,278,000	3,278	0	35.62
Residential Subtotal	5,033,400	4,972	0	123
Motel	229,000	0	458	5.26
Hospital	592,416	0	0	13.60
Medical Office	106,632	0	0	0.00
City Park	92,398	0	0	27.90
Strip Mall	1,088,799	0	0	60.29
Health Club	29,134	0	0	0
General Office	34,031	0	0	4.33
Sit Down Restaurant	100,333	0	0	2.30
Other Asphalt Surfaces	0	0	0	41.60
Other NonAsphalt Surfaces	0	0	0	4.20
Non-Residential Total	2,272,743	0	458	159.5
	7,306,143	4,972	458	283

Trip Generation

Average Daily Trips:* 77,256 ADTs 56,967

Land Use	Trips Per Day**	Trip Generation Rate
Condo/Townhouse	6,438	12.90
Mobile Home Park	6,438	20.97
Apartments Low Rise	6,438	7.25
Apartment Mid Rise	6,438	1.96
Motel	6,438	14.06
Hospital	6,438	10.87
Medical Office	6,438	60.38
City Park	6,438	230.75
Strip Mall	6,438	5.91
Health Club	6,438	220.98
General Office	6,438	189.18
Sit Down Restaurant	6,438	64.17
Other Asphalt Surfaces	0	0.00
Other NonAsphalt Surfaces	0	0.00

Daily Vehicle Miles Traveled:*	463,533	miles	21,896	21.17	321,510
Average Trip Length:	6.00	miles/trip			0.85%

Land Use	Vehicle Miles Traveled Day**	Average Trip Length (mi)
Condo/Townhouse	38,628	6.00
Mobile Home Park	38,628	6.00
Apartments Low Rise	38,628	6.00
Apartment Mid Rise	38,628	6.00
Motel	38,628	6.00
Hospital	38,628	6.00
Medical Office	38,628	6.00
City Park	38,628	6.00
Strip Mall	38,628	6.00
Health Club	38,628	6.00
General Office	38,628	6.00
Sit Down Restaurant	38,628	6.00
Other Asphalt Surfaces	0	0
Other NonAsphalt Surfaces	0	0

*Based on information provided by Fehr & Peers.

**For purposes of this analysis, vehicle trips and miles traveled are proportioned equally between the land uses.

Water Use

Water Demand

Total Average Use Per Day:	1,812,904	gallons per day (gpd) ¹	1,049,205
Total Average Use Per Year:	661,709,960	gallons per year (gpy) ²	599296

Wastewater Generation

Total Average Generated Per Day	1,085,782	gpd ¹	789,469
Total Average Generated Per Year:	396,310,430	gpy ²	931866 635,553

CalEEMod Inputs

Land Use	Indoor ³	Outdoor ³	Total	Indoor Rate/Yr	Outdoor/Yr
Condo/Townhouse	33,025,869	22,116,628	55,142,497	66,184	44,322
Mobile Home Park	33,025,869	22,116,628	55,142,497	107,576	72,041
Apartments Low Rise	33,025,869	22,116,628	55,142,497	37,191	24,906
Apartment Mid Rise	33,025,869	22,116,628	55,142,497	10,075	6,747
Motel	33,025,869	22,116,628	55,142,497	72,109	48,290
Hospital	33,025,869	22,116,628	55,142,497	55,748	37,333
Medical Office	33,025,869	22,116,628	55,142,497	309,718	207,411
City Park	33,025,869	22,116,628	55,142,497	1,183,723	792,711
Strip Mall	33,025,869	22,116,628	55,142,497	30,332	20,313
Health Club	33,025,869	22,116,628	55,142,497	1,133,585	759,135
General Office	33,025,869	22,116,628	55,142,497	970,473	649,902
Sit Down Restaurant	33,025,869	22,116,628	55,142,497	329,163	220,432
Other Asphalt Surfaces	0	0	0	0	0
Other NonAsphalt Surfaces	0	0	0	0	0
Total	396,310,430	265,399,530	661,709,960		

¹ Fuscoe Engineering, Inc. 2017, June 23. City of Anaheim Beach Boulevard Specific Plan: Infrastructure Technical Report for Hydrology, Sewer, Water, and Water Quality.

² Based on 365 days per year.

³ For purposes of this analysis, indoor and outdoor water use are proportioned equally among the land uses except for Other Asphalt Surfaces and Other NonAsphalt Surfaces.

Solid Waste*

Solid Waste Generation

Land Uses	Pounds Per Day ¹	Pounds Per Year	Tons Per Year ²
Residential Solid Waste:	60,820	22,199,300	11,100
Non-Residential Solid Waste:	70,910	25,882,150	12,941
Total	131,730	48,081,450	24,041

Land Use	Annual Solid Waste Generated (tpy) ³	Annual Solid Waste Generation Rate (tpy/unit)
Condo/Townhouse	2,003	4.0148
Mobile Home Park	2,003	6.5257
Apartments Low Rise	2,003	2.2561
Apartment Mid Rise	2,003	0.6112
Motel	2,003	4.3742
Hospital	2,003	3.3817
Medical Office	2,003	18.7879
City Park	2,003	71.8062
Strip Mall	2,003	1.8400
Health Club	2,003	68.7648
General Office	2,003	58.8702
Sit Down Restaurant	2,003	19.9675
Other Asphalt Surfaces	0	
Other NonAsphalt Surfaces	0	
	24,041	

¹ Based on CalRecycle waste generation rates. See Chapter 5.15, Utilities and Service Systems, of the DEIR for further details.

² Based on 365 days per year.

³ For purposes of this analysis, solid waste generation is proportioned equally among the land uses except for the the areas categorized under the Other Asphalt Surfaces and Other NonAsphalt Surfaces land use categories.

Electricity (Buildings)

Buildings constructed after January 1, 2017 are required to meet the 2016 Building Energy Efficiency Standards. The 2016 Standards are 5% more energy efficient for non-residential buildings than the 2013 Building Energy Efficiency Standards. The 2013 Standards are 30% more efficient for non-residential buildings than the 2008 Standards. Existing buildings are assumed to meet the 2005 Building Energy Efficiency Standards.

Architectural Coating

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Condo/Townhouse	499,000	2.7	1,347,300	1,010,475	336,825
Mobile Home Park	368,400	2.7	994,680	746,010	248,670
Apartments Low Rise	888,000	2.7	2,397,600	1,798,200	599,400
Apartment Mid Rise	3,278,000	2.7	8,850,600	6,637,950	2,212,650
			Non-Residential Sub-Total	10,192,635	3,397,545
Motel	229,000	2.0	458,000	343,500	114,500
Hospital	592,416	2.0	1,184,832	888,624	296,208
Medical Office	106,632	2.0	213,264	159,948	53,316
City Park	92,398	2.0	184,796	138,597	46,199
Strip Mall	1,088,799	2.0	2,177,599	1,633,199	544,400
Health Club	29,134	2.0	58,268	43,701	14,567
General Office	34,031	2.0	68,061	51,046	17,015
Sit Down Restaurant	100,333	2.0	200,666	150,499	50,166
			Residential Sub-Total	3,409,115	1,136,372

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

Carbon Intensity Factors

Anaheim Public Utilities District

Emission Factors*

	MTon/MWH	Ton/MWH	lbs/MWH
CO ₂	0.649	0.715399836	1430.800
CH ₄	0.000013	1.433E-05	0.029
N ₂ O	0.000003	3.30693E-06	0.00661

1 ton= 0.907185 metric ton (MTon)
1 ton= 2000 pounds

*Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Changes to the CalEEMod Defaults - Fleet Mix 2016

Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Highway 39 north of Lincoln Avenue.

Commercial Default	LDA	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH		
FleetMix (Model Default)	0.537252	0.045933	0.214146	0.129335	0.020295	0.005811	0.023032	0.014463	0.001520	0.001775	0.004687	0.000564	0.001187	100%
Trips	10,900	932	4,345	2,624	412	118	467	293	31	36	95	11	24	20,289
Percent	80%			13%	5%									100%
Proportion	0.669875	0.057272	0.267009	1.000000	0.374557	0.107246	0.425070	1.000000	0.028053	0.032759	0.005844	0.010409	0.021907	
Assumed Mix	97.02%			1.92%	0.47%			0.60%						100.00%
Adjusted with Assumed	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102	100%
Trips	13,186	1,127	5,256	389	35	10	40	121	3	3	115	1	2	20,289

Source: California Department of Transportation. Traffic Census Program: Traffic Counts, Year 2015. Annual Average Daily Traffic. <http://www.dot.ca.gov/trafficops/census/>

Total ADT	Total Truck	% Trucks	2-axle	3-axle	4-axle	3/4-axle	5+-axle
66,700	1,987	3.0%	1278	214	97	311	398
			64%	11%	5%	0%	20%
				1.92%			0.60%

Changes to the CalEEMod Defaults - Fleet Mix 2035

Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Highway 39 north of Lincoln Avenue.

Commercial Default	LDA	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH		
FleetMix (Model Default)	0.570257	0.042258	0.208917	0.102527	0.012284	0.005810	0.027501	0.020703	0.001922	0.001419	0.005012	0.000641	0.000749	100%
Trips	44,056	3,265	16,140	7,921	949	449	2,125	1,599	148	110	387	50	58	77,256
Percent	83%			10%	5%			2%						100%
Proportion	0.690013	0.051132	0.252790	1.000000	0.244089	0.115447	0.546457	1.000000	0.038191	0.028196	0.006065	0.012737	0.014883	
Assumed Mix	97.02%			1.92%	0.47%			0.60%						100.00%
Adjusted with Assumed	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069	100%
Trips	51,720	3,833	18,948	1,480	88	42	197	461	14	10	455	5	5	77,256

Source: California Department of Transportation. Traffic Census Program: Traffic Counts, Year 2015. Annual Average Daily Traffic. <http://www.dot.ca.gov/trafficops/census/>

Total ADT	Total Truck	% Trucks	2-axle	3-axle	4-axle	3/4-axle	5+-axle
66,700	1,987	3.0%	1278	214	97	311	398
			64%	11%	5%	0%	20%
				1.92%			0.60%

CalEEMod Construction Run Land Use Inputs:

Type	Land Use Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet
Residential	Condo/Townhouse	306	DU	17.50	306,000
Residential	Apartment Mid Rise	3,278	DU	35.62	3,278,000
	Motel	407	Room	4.42	210,072
	Hospital	446.407	1000bsf	9.50	446,407
	City Park	5.10	Acre	5.10	80,797
Retail	Strip Mall	1,087.5314	1000bsf	60.29	1,087,531
Commercial	General Office	34.03070	1000bsf	4.33	34,031
	Sit Down Restaurant	100.3330	1000bsf	2.30	100,333
Parking Lot	Other NonAsphalt Surfaces	4.20	Acre	4.20	0
				143.26	5,543,171

Project Location: Orange County SC
 Climate Zone: 8
 Operation Year: 2035
 Land Use Setting: Urban
 Utility Company: APU
 Source Receptor Area: 17 - Central Orange County

Demolition

Building		
<i>Building Amount Demolition Volume:</i>	1,068,952	building square feet
<i>Building Demolition Debris Amount:*</i>	49,172	tons (CalEEMod default)
<i>Total Haul Amount</i>	49,172	tons
<i>Total Haul Trips</i>	4,862	trip ends (CalEEMod Default)
<i>1-way haul distance</i>	20	miles (CalEEMod Default)
<i>Haul truck capacity</i>	20.23	tons (CalEEMod default)

*Based on CalEEMod conversion factor of 0.046 ton per square feet of building material.

Architectural Coating

Modeling also assumes a VOC of 100 g/L for interior paints used for non-residential buildings pursuant to SCAQMD Rule 1113

Land Use	Land Use Amount (BSF)	CalEEMod Paintable Surface Area Multiplier*	Total Paintable Surface Area (BSF)	Total Paintable Interior Surface Area (BSF)*	Total Paintable Exterior Surface Area (BSF)*
Condo/Townhouse	306,000	2.7	826,200	619,650	206,550
Apartment Mid Rise	3,278,000	2.7	8,850,600	6,637,950	2,212,650
			Non-Residential Sub-Total	7,257,600	2,419,200
Motel	210,072	2.0	420,144	315,108	105,036
Hospital	446,407	2.0	892,814	669,611	223,204
City Park	80,797	2.0	161,594	121,196	40,399
Strip Mall	1,087,531	2.0	2,175,063	1,631,297	543,766
General Office	34,031	2.0	68,061	51,046	17,015
Sit Down Restaurant	100,333	2.0	200,666	150,499	50,166
Other NonAsphalt Surfaces	0	2.0	0	0	0
			Residential Sub-Total	2,938,757	979,586

*Based on CalEEMod methodology in calculating the paintable surface areas for a residential and nonresidential building.

Construction Phasing

5-Day Work Week

CalEEMod Default Schedule

Phase Name*	Start Date	End Date	CalEEMod Days
Demolition	1/1/2018	10/5/2018	200
Site Preparation	10/6/2018	3/22/2019	120
Grading	3/23/2019	5/29/2020	310
Building Construction	5/30/2020	4/16/2032	3,100
Paving	4/17/2032	2/18/2033	220
Architectural Coating	2/19/2033	12/23/2033	220
		Duration	15.8 years

Adjusted CalEEMod Default Schedule - with Overlap (Normalized for 18 year Buildout)

Phase Name	Start Date	End Date	CalEEMod Days
Demolition	1/1/2018	11/14/2018	228
Site Preparation	1/1/2018	7/10/2018	137
Grading	1/1/2018	5/8/2019	353
Building Construction	1/1/2018	7/16/2031	3,533
Paving	1/1/2018	12/17/2018	251
Architectural Coating***	1/1/2018	5/20/2021	883

*CalEEMod default schedule.

**Assumes duration as 33 percent of the Building Construction phase duration.

Construction Equipment Mix*

Equipment	Pieces of Equipment	Hrs Op	HP	LF	Worker Trips/ Day	CalEEMod Vendor
Building Demolition					Default	Default+2
Concrete/Industrial Saws	1	8	81	0.40		
Excavators	3	8	158	0.37		
Rubber Tired Dozers	2	8	247	0.40		
Water truck**	1					2
Site Preparation					Default	Default+2
Rubber Tired Dozers	3	8	247	0.40		
Tractors/Loaders/Backhoes	4	8	97	0.37		
Water truck**	1					2
Rough Grading					Default	Default+2
Excavators	2	8	158	0.38		
Graders	1	8	157	0.41		
Rubber Tired Dozers	1	8	247	0.40		
Scrapers	2	8	367			
Tractors/Loaders/Backhoes	2	8	97	0.37		
Water truck	1					2
Building Construction**					Default	Default
Cranes	1	7	231	0.29		
Forklifts	3	8	89	0.20		
Generator Sets	1	8	84	0.74		
Tractors/Loaders/Backhoes	3	7	97	0.37		
Welders	1	8	46	0.45		
Asphalt Paving					Default	Default+8
Pavers	2	8	130	0.42		
Paving Equipment	2	8	132	0.36		
Rollers	2	8	80	0.38		
Architectural Coating					Default	Default
Air Compressors	1	6	78	0.48		

*Information provided by Applicant.

**Assumes water truck and two trips per day for the water truck.

CalEEMod Output – Construction

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Construction - Orange County, Summer

**Construction
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	306.00	Dwelling Unit	17.50	306,000.00	875
Apartments Mid Rise	3,278.00	Dwelling Unit	35.62	3,278,000.00	9375
Motel	407.00	Room	4.42	210,072.00	0
Hospital	446.41	1000sqft	9.50	446,407.00	0
City Park	5.10	Acre	5.10	80,797.00	0
Strip Mall	1,087.53	1000sqft	60.29	1,087,531.00	0
General Office Building	34.03	1000sqft	4.33	34,030.00	0
High Turnover (Sit Down Restaurant)	100.33	1000sqft	2.30	100,333.00	0
Other Non-Asphalt Surfaces	4.20	Acre	4.20	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2020
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MW hr)	1543.28	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 - Based on anticipated new land use buildout.

Construction Phase - Assumes overlap of all construction activities and based on CalEEMod default schedule normalized to an 18-year buildout.

Grading -

Demolition -

Trips and VMT - Assumes 1 water truck and 2 trip ends per water truck.

Construction Off-road Equipment Mitigation - Base on SCAQMD Rule 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	220.00	251.00
tblConstructionPhase	NumDays	3,100.00	3,533.00
tblConstructionPhase	NumDays	200.00	228.00
tblConstructionPhase	NumDays	310.00	353.00
tblConstructionPhase	NumDays	220.00	251.00
tblConstructionPhase	NumDays	120.00	137.00
tblConstructionPhase	PhaseEndDate	12/23/2033	12/17/2018
tblConstructionPhase	PhaseEndDate	4/16/2032	7/16/2031
tblConstructionPhase	PhaseEndDate	10/5/2018	11/14/2018
tblConstructionPhase	PhaseEndDate	5/29/2020	5/8/2019
tblConstructionPhase	PhaseEndDate	2/18/2033	12/17/2018
tblConstructionPhase	PhaseEndDate	3/22/2019	7/10/2018
tblConstructionPhase	PhaseStartDate	2/19/2033	1/1/2018
tblConstructionPhase	PhaseStartDate	5/30/2020	1/1/2018
tblConstructionPhase	PhaseStartDate	3/23/2019	1/1/2018
tblConstructionPhase	PhaseStartDate	4/17/2032	1/1/2018

tblConstructionPhase	PhaseStartDate	10/6/2018	1/1/2018
tblLandUse	BuildingSpaceSquareFeet	797,801.40	210,072.00
tblLandUse	BuildingSpaceSquareFeet	446,410.00	446,407.00
tblLandUse	BuildingSpaceSquareFeet	0.00	80,797.00
tblLandUse	BuildingSpaceSquareFeet	1,087,530.00	1,087,531.00
tblLandUse	BuildingSpaceSquareFeet	100,330.00	100,333.00
tblLandUse	BuildingSpaceSquareFeet	182,952.00	0.00
tblLandUse	GreenSpaceSquareFeet	222,156.00	0.00
tblLandUse	LandUseSquareFeet	797,801.40	210,072.00
tblLandUse	LandUseSquareFeet	446,410.00	446,407.00
tblLandUse	LandUseSquareFeet	222,156.00	80,797.00
tblLandUse	LandUseSquareFeet	1,087,530.00	1,087,531.00
tblLandUse	LandUseSquareFeet	100,330.00	100,333.00
tblLandUse	LandUseSquareFeet	182,952.00	0.00
tblLandUse	LotAcreage	19.13	17.50
tblLandUse	LotAcreage	86.26	35.62
tblLandUse	LotAcreage	18.31	4.42
tblLandUse	LotAcreage	10.25	9.50
tblLandUse	LotAcreage	24.97	60.29
tblLandUse	LotAcreage	0.78	4.33
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

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					
2018	200.5049	292.3864	294.0492	0.8481	80.5709	10.7016	91.2725	27.3839	9.9332	37.3172	0.0000	86,328.2023	86,328.2023	8.6848	0.0000	86,545.3235
2019	23.2114	164.5440	188.2669	0.6354	49.7017	4.4577	54.1595	14.5792	4.1472	18.7265	0.0000	64,794.2052	64,794.2052	5.1054	0.0000	64,921.8401
2020	16.8468	100.3882	142.4889	0.5573	40.7919	1.7397	42.5316	10.9197	1.6374	12.5571	0.0000	57,034.2558	57,034.2558	2.9735	0.0000	57,108.5923
2021	15.4991	90.5684	133.1078	0.5431	40.7917	1.3307	42.1225	10.9197	1.2488	12.1684	0.0000	55,641.1002	55,641.1002	2.8315	0.0000	55,711.8864
2022	14.5484	84.5235	125.7038	0.5284	40.7916	1.1587	41.9503	10.9196	1.0874	12.0070	0.0000	54,190.1213	54,190.1213	2.7138	0.0000	54,257.9655
2023	13.4061	67.3777	118.2258	0.5101	40.7915	0.9829	41.7744	10.9196	0.9211	11.8407	0.0000	52,356.9754	52,356.9754	2.5468	0.0000	52,420.6449
2024	12.7387	65.3267	111.8781	0.4959	40.7915	0.8914	41.6829	10.9196	0.8348	11.7544	0.0000	50,959.5941	50,959.5941	2.4678	0.0000	51,021.2881
2025	12.1573	63.3098	106.3023	0.4824	40.7914	0.8018	41.5932	10.9196	0.7506	11.6701	0.0000	49,620.2339	49,620.2339	2.4004	0.0000	49,680.2427
2026	11.7414	62.3337	101.6400	0.4707	40.7914	0.7940	41.5855	10.9196	0.7434	11.6629	0.0000	48,458.6124	48,458.6124	2.3430	0.0000	48,517.1878
2027	11.3360	61.4268	97.5620	0.4604	40.7914	0.7815	41.5729	10.9196	0.7318	11.6513	0.0000	47,442.5844	47,442.5844	2.2913	0.0000	47,499.8669
2028	10.9170	60.6456	93.9957	0.4515	40.7914	0.7651	41.5565	10.9196	0.7166	11.6362	0.0000	46,559.8391	46,559.8391	2.2454	0.0000	46,615.9732
2029	10.4584	59.9191	90.6167	0.4437	40.7915	0.7506	41.5420	10.9196	0.7032	11.6228	0.0000	45,786.8273	45,786.8273	2.2036	0.0000	45,841.9172
2030	9.9250	54.7068	87.5671	0.4408	40.7915	0.3581	41.1496	10.9196	0.3430	11.2626	0.0000	45,450.4078	45,450.4078	1.6804	0.0000	45,492.4176
2031	9.3995	53.9856	84.6362	0.4343	40.7915	0.3459	41.1374	10.9196	0.3318	11.2514	0.0000	44,808.0437	44,808.0437	1.6453	0.0000	44,849.1765

Maximum	200.5049	292.3864	294.0492	0.8481	80.5709	10.7016	91.2725	27.3839	9.9332	37.3172	0.0000	86,328.2023	86,328.2023	8.6848	0.0000	86,545.3235
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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					
2018	200.5049	292.3864	294.0492	0.8481	58.8368	10.7016	69.5383	18.3109	9.9332	28.2441	0.0000	86,328.2023	86,328.2023	8.6848	0.0000	86,545.3234
2019	23.2114	164.5440	188.2669	0.6354	41.5892	4.4577	46.0469	11.7478	4.1472	15.8950	0.0000	64,794.2052	64,794.2052	5.1054	0.0000	64,921.8401
2020	16.8468	100.3882	142.4889	0.5573	37.6631	1.7397	39.4028	10.1517	1.6374	11.7891	0.0000	57,034.2558	57,034.2558	2.9735	0.0000	57,108.5923
2021	15.4991	90.5684	133.1078	0.5431	37.6630	1.3307	38.9937	10.1517	1.2488	11.4005	0.0000	55,641.1002	55,641.1002	2.8315	0.0000	55,711.8864
2022	14.5484	84.5235	125.7038	0.5284	37.6629	1.1587	38.8216	10.1516	1.0874	11.2390	0.0000	54,190.1213	54,190.1213	2.7138	0.0000	54,257.9655
2023	13.4061	67.3777	118.2258	0.5101	37.6628	0.9829	38.6457	10.1516	0.9211	11.0727	0.0000	52,356.9754	52,356.9754	2.5468	0.0000	52,420.6449
2024	12.7387	65.3267	111.8781	0.4959	37.6627	0.8914	38.5541	10.1516	0.8348	10.9864	0.0000	50,959.5941	50,959.5941	2.4678	0.0000	51,021.2881
2025	12.1573	63.3098	106.3023	0.4824	37.6627	0.8018	38.4645	10.1516	0.7506	10.9021	0.0000	49,620.2339	49,620.2339	2.4004	0.0000	49,680.2427
2026	11.7414	62.3337	101.6400	0.4707	37.6627	0.7940	38.4567	10.1516	0.7434	10.8949	0.0000	48,458.6124	48,458.6124	2.3430	0.0000	48,517.1878
2027	11.3360	61.4268	97.5620	0.4604	37.6627	0.7815	38.4442	10.1516	0.7318	10.8834	0.0000	47,442.5844	47,442.5844	2.2913	0.0000	47,499.8669
2028	10.9170	60.6456	93.9957	0.4515	37.6627	0.7651	38.4278	10.1516	0.7166	10.8682	0.0000	46,559.8391	46,559.8391	2.2454	0.0000	46,615.9732
2029	10.4584	59.9191	90.6167	0.4437	37.6627	0.7506	38.4133	10.1516	0.7032	10.8548	0.0000	45,786.8273	45,786.8273	2.2036	0.0000	45,841.9172
2030	9.9250	54.7068	87.5671	0.4408	37.6627	0.3581	38.0208	10.1516	0.3430	10.4947	0.0000	45,450.4078	45,450.4078	1.6804	0.0000	45,492.4176

2031	9.3995	53.9856	84.6362	0.4343	37.6627	0.3459	38.0087	10.1516	0.3318	10.4834	0.0000	44,808.04 37	44,808.043 7	1.6453	0.0000	44,849.17 65
Maximum	200.5049	292.3864	294.0492	0.8481	58.8368	10.7016	69.5383	18.3109	9.9332	28.2441	0.0000	86,328.20 23	86,328.202 3	8.6848	0.0000	86,545.32 34
	ROG	NOx	CO	SO2	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	10.87	0.00	10.44	12.21	0.00	10.71	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	1,069.0656	77.7952	2,119.5314	4.6654		275.4078	275.4078		275.4078	275.4078	33,571.0356	65,044.8678	98,615.9033	100.6357	2.2786	101,810.8076
Energy	3.4033	30.0942	19.7925	0.1856		2.3514	2.3514		2.3514	2.3514		37,126.9565	37,126.9565	0.7116	0.6807	37,347.5834
Mobile	142.7794	536.5069	1,643.0631	5.6279	474.6779	5.5725	480.2504	126.9325	5.2268	132.1592		570,674.8122	570,674.8122	24.8586		571,296.2771
Total	1,215.2483	644.3962	3,782.3871	10.4789	474.6779	283.3317	758.0096	126.9325	282.9859	409.9184	33,571.0356	672,846.6364	706,417.6720	126.2059	2.9592	710,454.6681

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	1/1/2018	11/14/2018	5	228	

2	Site Preparation	Site Preparation	1/1/2018	7/10/2018	5	137
3	Grading	Grading	1/1/2018	5/8/2019	5	353
4	Building Construction	Building Construction	1/1/2018	7/16/2031	5	3533
5	Paving	Paving	1/1/2018	12/17/2018	5	251
6	Architectural Coating	Architectural Coating	1/1/2018	12/17/2018	5	251

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 882.5

Acres of Paving: 4.2

Residential Indoor: 7,257,600; Residential Outdoor: 2,419,200; Non-Residential Indoor: 2,938,755; Non-Residential Outdoor: 979,585;

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	79	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

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
Architectural Coating	1	649.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	3,247.00	704.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	2.00	4,862.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	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
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.6150	0.0000	4.6150	0.6988	0.0000	0.6988			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	4.6150	1.9386	6.5536	0.6988	1.8048	2.5036		3,871.7665	3,871.7665	1.0667		3,898.4344

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	0.1840	6.6618	1.5159	0.0167	0.3714	0.0265	0.3978	0.1017	0.0253	0.1270		1,855.9763	1,855.9763	0.1939		1,860.8236
Vendor	8.1000e-003	0.2386	0.0640	5.1000e-004	0.0128	1.7700e-003	0.0145	3.6800e-003	1.6900e-003	5.3700e-003		54.8657	54.8657	4.7600e-003		54.9847
Worker	0.0672	0.0457	0.5892	1.7400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		173.5014	173.5014	4.5900e-003		173.6162
Total	0.2592	6.9461	2.1691	0.0190	0.5518	0.0294	0.5811	0.1498	0.0280	0.1779		2,084.3433	2,084.3433	0.2032		2,089.4245

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
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Category	lb/day										lb/day					
Fugitive Dust					1.9729	0.0000	1.9729	0.2987	0.0000	0.2987			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.9729	1.9386	3.9115	0.2987	1.8048	2.1036	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

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	0.1840	6.6618	1.5159	0.0167	0.3460	0.0265	0.3725	0.0954	0.0253	0.1208		1,855.9763	1,855.9763	0.1939		1,860.8236
Vendor	8.1000e-003	0.2386	0.0640	5.1000e-004	0.0120	1.7700e-003	0.0137	3.4800e-003	1.6900e-003	5.1600e-003		54.8657	54.8657	4.7600e-003		54.9847
Worker	0.0672	0.0457	0.5892	1.7400e-003	0.1546	1.1100e-003	0.1557	0.0413	1.0200e-003	0.0423		173.5014	173.5014	4.5900e-003		173.6162
Total	0.2592	6.9461	2.1691	0.0190	0.5125	0.0294	0.5418	0.1402	0.0280	0.1682		2,084.3433	2,084.3433	0.2032		2,089.4245

3.3 Site Preparation - 2018

Unmitigated Construction On-Site

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

Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.6239	3,831.6239	1.1928		3,861.4448

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	8.1000e-003	0.2386	0.0640	5.1000e-004	0.0128	1.7700e-003	0.0145	3.6800e-003	1.6900e-003	5.3700e-003		54.8657	54.8657	4.7600e-003		54.9847
Worker	0.0806	0.0548	0.7071	2.0900e-003	0.2012	1.3300e-003	0.2025	0.0534	1.2200e-003	0.0546		208.2016	208.2016	5.5100e-003		208.3395
Total	0.0887	0.2934	0.7711	2.6000e-003	0.2140	3.1000e-003	0.2171	0.0570	2.9100e-003	0.0600		263.0673	263.0673	0.0103		263.3242

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					7.7233	0.0000	7.7233	4.2454	0.0000	4.2454			0.0000			0.0000

Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	7.7233	2.5769	10.3002	4.2454	2.3708	6.6161	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

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	8.1000e-003	0.2386	0.0640	5.1000e-004	0.0120	1.7700e-003	0.0137	3.4800e-003	1.6900e-003	5.1600e-003		54.8657	54.8657	4.7600e-003		54.9847
Worker	0.0806	0.0548	0.7071	2.0900e-003	0.1855	1.3300e-003	0.1868	0.0495	1.2200e-003	0.0507		208.2016	208.2016	5.5100e-003		208.3395
Total	0.0887	0.2934	0.7711	2.6000e-003	0.1974	3.1000e-003	0.2005	0.0530	2.9100e-003	0.0559		263.0673	263.0673	0.0103		263.3242

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278

Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.4284	6,244.4284	1.9440		6,293.0278
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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	8.1000e-003	0.2386	0.0640	5.1000e-004	0.0128	1.7700e-003	0.0145	3.6800e-003	1.6900e-003	5.3700e-003		54.8657	54.8657	4.7600e-003		54.9847
Worker	0.0896	0.0609	0.7856	2.3200e-003	0.2236	1.4800e-003	0.2250	0.0593	1.3600e-003	0.0607		231.3351	231.3351	6.1300e-003		231.4883
Total	0.0977	0.2995	0.8496	2.8300e-003	0.2363	3.2500e-003	0.2396	0.0630	3.0500e-003	0.0660		286.2008	286.2008	0.0109		286.4730

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.7079	0.0000	3.7079	1.5375	0.0000	1.5375			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	5.0901	59.5218	35.0894	0.0620	3.7079	2.6337	6.3416	1.5375	2.4230	3.9605	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278

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	8.1000e-003	0.2386	0.0640	5.1000e-004	0.0120	1.7700e-003	0.0137	3.4800e-003	1.6900e-003	5.1600e-003		54.8657	54.8657	4.7600e-003		54.9847
Worker	0.0896	0.0609	0.7856	2.3200e-003	0.2061	1.4800e-003	0.2075	0.0550	1.3600e-003	0.0564		231.3351	231.3351	6.1300e-003		231.4883
Total	0.0977	0.2995	0.8496	2.8300e-003	0.2180	3.2500e-003	0.2213	0.0585	3.0500e-003	0.0615		286.2008	286.2008	0.0109		286.4730

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	8.6733	2.3827	11.0560	3.5965	2.1920	5.7885		6,140.0195	6,140.0195	1.9426		6,188.5854

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	7.5000e-003	0.2270	0.0600	5.0000e-004	0.0128	1.5300e-003	0.0143	3.6800e-003	1.4700e-003	5.1400e-003		54.5938	54.5938	4.6100e-003		54.7090
Worker	0.0824	0.0541	0.7135	2.2600e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607		225.2281	225.2281	5.5400e-003		225.3665
Total	0.0899	0.2810	0.7735	2.7600e-003	0.2363	3.0200e-003	0.2394	0.0630	2.8500e-003	0.0658		279.8218	279.8218	0.0102		280.0755

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.7079	0.0000	3.7079	1.5375	0.0000	1.5375			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	3.7079	2.3827	6.0905	1.5375	2.1920	3.7295	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854

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	7.5000e-003	0.2270	0.0600	5.0000e-004	0.0120	1.5300e-003	0.0135	3.4800e-003	1.4700e-003	4.9400e-003		54.5938	54.5938	4.6100e-003		54.7090
Worker	0.0824	0.0541	0.7135	2.2600e-003	0.2061	1.4900e-003	0.2076	0.0550	1.3800e-003	0.0564		225.2281	225.2281	5.5400e-003		225.3665
Total	0.0899	0.2810	0.7735	2.7600e-003	0.2180	3.0200e-003	0.2210	0.0585	2.8500e-003	0.0613		279.8218	279.8218	0.0102		280.0755

3.5 Building Construction - 2018

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	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

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
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8517	83.9830	22.5325	0.1780	4.4984	0.6214	5.1198	1.2945	0.5944	1.8890		19,312.71 51	19,312.715 1	1.6759		19,354.61 37
Worker	14.5379	9.8836	127.5439	0.3770	36.2938	0.2397	36.5335	9.6253	0.2209	9.8462		37,557.25 84	37,557.258 4	0.9945		37,582.12 17
Total	17.3896	93.8666	150.0764	0.5550	40.7922	0.8611	41.6533	10.9198	0.8153	11.7352		56,869.97 35	56,869.973 5	2.6705		56,936.73 54

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	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.9351	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.9351	0.6421		2,636.988 3

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8517	83.9830	22.5325	0.1780	4.2094	0.6214	4.8308	1.2236	0.5944	1.8181		19,312.71 51	19,312.715 1	1.6759		19,354.61 37
Worker	14.5379	9.8836	127.5439	0.3770	33.4541	0.2397	33.6938	8.9283	0.2209	9.1491		37,557.25 84	37,557.258 4	0.9945		37,582.12 17
Total	17.3896	93.8666	150.0764	0.5550	37.6635	0.8611	38.5246	10.1519	0.8153	10.9672		56,869.97 35	56,869.973 5	2.6705		56,936.73 54

3.5 Building Construction - 2019
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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.5802	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.5802	0.6313		2,607.363 5

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	2.6393	79.8897	21.1186	0.1769	4.4982	0.5397	5.0380	1.2945	0.5163	1.8108		19,217.0083	19,217.0083	1.6223		19,257.5657
Worker	13.3821	8.7742	115.8343	0.3669	36.2938	0.2425	36.5363	9.6253	0.2233	9.8486		36,565.7754	36,565.7754	0.8990		36,588.2501
Total	16.0214	88.6640	136.9529	0.5437	40.7921	0.7822	41.5742	10.9198	0.7396	11.6594		55,782.7837	55,782.7837	2.5213		55,845.8157

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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

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	2.6393	79.8897	21.1186	0.1769	4.2092	0.5397	4.7490	1.2235	0.5163	1.7399		19,217.0083	19,217.0083	1.6223		19,257.5657

Worker	13.3821	8.7742	115.8343	0.3669	33.4541	0.2425	33.6965	8.9283	0.2233	9.1516		36,565.77 54	36,565.775 4	0.8990		36,588.25 01
Total	16.0214	88.6640	136.9529	0.5437	37.6633	0.7822	38.4455	10.1518	0.7396	10.8914		55,782.78 37	55,782.783 7	2.5213		55,845.81 57

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063 1	2,553.0631	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063 1	2,553.0631	0.6229		2,568.634 5

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	2.2490	73.3411	19.3576	0.1754	4.4981	0.3827	4.8808	1.2944	0.3661	1.6605		19,087.47 69	19,087.476 9	1.5438		19,126.07 09
Worker	12.4780	7.8610	106.2828	0.3550	36.2938	0.2400	36.5338	9.6253	0.2210	9.8463		35,393.71 59	35,393.715 9	0.8068		35,413.88 69

Total	14.7270	81.2021	125.6404	0.5304	40.7919	0.6227	41.4145	10.9197	0.5871	11.5068		54,481.19	54,481.192	2.3506		54,539.95
												28	8			78

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

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	2.2490	73.3411	19.3576	0.1754	4.2091	0.3827	4.5918	1.2235	0.3661	1.5896		19,087.4769	19,087.4769	1.5438		19,126.0709
Worker	12.4780	7.8610	106.2828	0.3550	33.4541	0.2400	33.6940	8.9283	0.2210	9.1493		35,393.7159	35,393.7159	0.8068		35,413.8869
Total	14.7270	81.2021	125.6404	0.5304	37.6631	0.6227	38.2858	10.1517	0.5871	10.7388		54,481.1928	54,481.1928	2.3506		54,539.9578

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

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	1.8785	66.0452	17.9118	0.1736	4.4979	0.1372	4.6351	1.2944	0.1312	1.4256		18,922.9922	18,922.992	1.4838		18,960.0876
Worker	11.7196	7.0911	98.6208	0.3426	36.2938	0.2349	36.5287	9.6253	0.2163	9.8416		34,164.7440	34,164.7440	0.7316		34,183.0345
Total	13.5981	73.1363	116.5326	0.5162	40.7917	0.3721	41.1638	10.9197	0.3475	11.2672		53,087.7363	53,087.7363	2.2154		53,143.1221

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

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	1.8785	66.0452	17.9118	0.1736	4.2089	0.1372	4.3461	1.2234	0.1312	1.3546		18,922.9922	18,922.9922	1.4838		18,960.0876
Worker	11.7196	7.0911	98.6208	0.3426	33.4541	0.2349	33.6890	8.9283	0.2163	9.1446		34,164.7440	34,164.7440	0.7316		34,183.0345
Total	13.5981	73.1363	116.5326	0.5162	37.6630	0.3721	38.0351	10.1517	0.3475	10.4992		53,087.7363	53,087.7363	2.2154		53,143.1221

3.5 Building Construction - 2022

Unmitigated Construction On-Site

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

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	1.7661	62.4835	17.2952	0.1716	4.4978	0.1194	4.6171	1.2943	0.1141	1.4085		18,737.1438	18,737.1438	1.4374		18,773.0778
Worker	11.0760	6.4244	92.0452	0.3298	36.2938	0.2304	36.5242	9.6253	0.2121	9.8374		32,898.6439	32,898.6439	0.6645		32,915.2555
Total	12.8421	68.9079	109.3404	0.5015	40.7916	0.3497	41.1413	10.9196	0.3262	11.2458		51,635.7877	51,635.7877	2.1018		51,688.3333

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
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Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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	1.7661	62.4835	17.2952	0.1716	4.2088	0.1194	4.3281	1.2234	0.1141	1.3375		18,737.1438	18,737.1438	1.4374		18,773.0778
Worker	11.0760	6.4244	92.0452	0.3298	33.4541	0.2304	33.6844	8.9283	0.2121	9.1403		32,898.6439	32,898.6439	0.6645		32,915.2555
Total	12.8421	68.9079	109.3404	0.5015	37.6629	0.3497	38.0126	10.1516	0.3262	10.4779		51,635.7877	51,635.7877	2.1018		51,688.3333

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	1.3442	47.1599	16.1422	0.1660	4.4977	0.0568	4.5545	1.2943	0.0543	1.3486		18,167.8851	18,167.8851	1.3362		18,201.2908
Worker	10.4891	5.8329	85.8395	0.3171	36.2938	0.2264	36.5202	9.6253	0.2084	9.8337		31,633.8803	31,633.8803	0.6027		31,648.9480
Total	11.8333	52.9928	101.9818	0.4831	40.7915	0.2832	41.0747	10.9196	0.2627	11.1823		49,801.7655	49,801.7655	1.9389		49,850.2388

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
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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	1.3442	47.1599	16.1422	0.1660	4.2087	0.0568	4.2655	1.2234	0.0543	1.2776		18,167.8851	18,167.8851	1.3362		18,201.2908
Worker	10.4891	5.8329	85.8395	0.3171	33.4541	0.2264	33.6805	8.9283	0.2084	9.1367		31,633.8803	31,633.8803	0.6027		31,648.9480
Total	11.8333	52.9928	101.9818	0.4831	37.6628	0.2832	37.9460	10.1516	0.2627	10.4143		49,801.7655	49,801.7655	1.9389		49,850.2388

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	1.2987	46.5711	15.8070	0.1645	4.4977	0.0556	4.5532	1.2943	0.0531	1.3474		18,023.5660	18,023.5660	1.3161		18,056.4695
Worker	9.9685	5.3118	79.9042	0.3045	36.2938	0.2225	36.5163	9.6253	0.2048	9.8301		30,380.3292	30,380.3292	0.5473		30,394.0110
Total	11.2672	51.8829	95.7112	0.4690	40.7915	0.2781	41.0696	10.9196	0.2579	11.1775		48,403.8952	48,403.8952	1.8634		48,450.4805

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	1.2987	46.5711	15.8070	0.1645	4.2087	0.0556	4.2642	1.2233	0.0531	1.2765		18,023.5660	18,023.5660	1.3161			18,056.4695
Worker	9.9685	5.3118	79.9042	0.3045	33.4541	0.2225	33.6766	8.9283	0.2048	9.1330		30,380.3292	30,380.3292	0.5473			30,394.0110
Total	11.2672	51.8829	95.7112	0.4690	37.6627	0.2781	37.9408	10.1516	0.2579	10.4095		48,403.8952	48,403.8952	1.8634			48,450.4805

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010			2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010			2,571.4981

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	1.2654	45.9678	15.6245	0.1633	4.4976	0.0545	4.5521	1.2943	0.0521	1.3463		17,911.8529	17,911.8529	1.2988		17,944.3239
Worker	9.5245	4.8723	74.5931	0.2922	36.2938	0.2198	36.5136	9.6253	0.2022	9.8275		29,151.9066	29,151.9066	0.5006		29,164.4207
Total	10.7899	50.8401	90.2176	0.4554	40.7914	0.2742	41.0656	10.9196	0.2543	11.1739		47,063.7595	47,063.7595	1.7994		47,108.7446

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

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	1.2654	45.9678	15.6245	0.1633	4.2086	0.0545	4.2631	1.2233	0.0521	1.2754		17,911.8529	17,911.8529	1.2988		17,944.3239
Worker	9.5245	4.8723	74.5931	0.2922	33.4541	0.2198	33.6738	8.9283	0.2022	9.1305		29,151.9066	29,151.9066	0.5006		29,164.4207
Total	10.7899	50.8401	90.2176	0.4554	37.6627	0.2742	37.9369	10.1516	0.2543	10.4059		47,063.7595	47,063.7595	1.7994		47,108.7446

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

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
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2357	45.3657	15.5036	0.1622	4.4976	0.0533	4.5509	1.2943	0.0509	1.3452		17,804.6130	17,804.6130	1.2819		17,836.6596
Worker	9.1383	4.4983	70.0518	0.2816	36.2938	0.2132	36.5070	9.6253	0.1962	9.8215		28,097.5250	28,097.5250	0.4602		28,109.0301
Total	10.3740	49.8640	85.5554	0.4437	40.7914	0.2665	41.0579	10.9196	0.2471	11.1667		45,902.1380	45,902.1380	1.7421		45,945.6897

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2357	45.3657	15.5036	0.1622	4.2086	0.0533	4.2619	1.2233	0.0509	1.2742		17,804.6130	17,804.6130	1.2819		17,836.6596
Worker	9.1383	4.4983	70.0518	0.2816	33.4541	0.2132	33.6673	8.9283	0.1962	9.1245		28,097.5250	28,097.5250	0.4602		28,109.0301
Total	10.3740	49.8640	85.5554	0.4437	37.6627	0.2665	37.9291	10.1516	0.2471	10.3987		45,902.1380	45,902.1380	1.7421		45,945.6897

3.5 Building Construction - 2027
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

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	1.2105	44.7898	15.4069	0.1611	4.4976	0.0522	4.5498	1.2943	0.0499	1.3441		17,705.8218	17,705.8218	1.2659		17,737.4687
Worker	8.7580	4.1673	66.0705	0.2723	36.2938	0.2018	36.4956	9.6253	0.1856	9.8109		27,180.2882	27,180.2882	0.4245		27,190.9002
Total	9.9686	48.9572	81.4774	0.4334	40.7914	0.2540	41.0454	10.9196	0.2355	11.1551		44,886.1100	44,886.1100	1.6904		44,928.3689

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

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	1.2105	44.7898	15.4069	0.1611	4.2086	0.0522	4.2608	1.2233	0.0499	1.2732		17,705.8218	17,705.8218	1.2659		17,737.4687

Worker	8.7580	4.1673	66.0705	0.2723	33.4541	0.2018	33.6558	8.9283	0.1856	9.1139		27,180.2882	27,180.2882	0.4245		27,190.9002
Total	9.9686	48.9572	81.4774	0.4334	37.6627	0.2540	37.9166	10.1516	0.2355	10.3871		44,886.1100	44,886.1100	1.6904		44,928.3689

3.5 Building Construction - 2028
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

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	1.1891	44.3033	15.3544	0.1602	4.4976	0.0512	4.5488	1.2943	0.0489	1.3432		17,619.8859	17,619.8859	1.2512		17,651.1663
Worker	8.3605	3.8727	62.5567	0.2643	36.2938	0.1863	36.4801	9.6253	0.1714	9.7967		26,383.4789	26,383.4789	0.3932		26,393.3088

Total	9.5496	48.1759	77.9111	0.4245	40.7914	0.2375	41.0290	10.9196	0.2203	11.1399		44,003.36	44,003.364	1.6444		44,044.47
												48	8			51

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

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	1.1891	44.3033	15.3544	0.1602	4.2086	0.0512	4.2598	1.2233	0.0489	1.2723		17,619.8859	17,619.8859	1.2512		17,651.1663
Worker	8.3605	3.8727	62.5567	0.2643	33.4541	0.1863	33.6404	8.9283	0.1714	9.0997		26,383.4789	26,383.4789	0.3932		26,393.3088
Total	9.5496	48.1759	77.9111	0.4245	37.6627	0.2375	37.9002	10.1516	0.2203	10.3719		44,003.3648	44,003.3648	1.6444		44,044.4751

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

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	1.1703	43.8492	15.3003	0.1594	4.4977	0.0503	4.5480	1.2943	0.0481	1.3424		17,542.3181	17,542.3181	1.2388		17,573.2880
Worker	7.9207	3.6002	59.2317	0.2573	36.2938	0.1727	36.4665	9.6253	0.1589	9.7842		25,688.0349	25,688.0349	0.3639		25,697.1311
Total	9.0910	47.4494	74.5320	0.4167	40.7915	0.2230	41.0145	10.9196	0.2070	11.1265		43,230.3530	43,230.3530	1.6026		43,270.4191

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

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	1.1703	43.8492	15.3003	0.1594	4.2087	0.0503	4.2590	1.2233	0.0481	1.2714		17,542.3181	17,542.3181	1.2388		17,573.2880
Worker	7.9207	3.6002	59.2317	0.2573	33.4541	0.1727	33.6268	8.9283	0.1589	9.0871		25,688.0349	25,688.0349	0.3639		25,697.1311
Total	9.0910	47.4494	74.5320	0.4167	37.6627	0.2230	37.8857	10.1516	0.2070	10.3586		43,230.3530	43,230.3530	1.6026		43,270.4191

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

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	1.1523	43.4240	15.2505	0.1587	4.4977	0.0494	4.5470	1.2943	0.0472	1.3415		17,472.5641	17,472.5641	1.2271		17,503.2410
Worker	7.4636	3.3482	56.1596	0.2512	36.2938	0.1606	36.4544	9.6253	0.1477	9.7730		25,080.2970	25,080.2970	0.3371		25,088.7237
Total	8.6159	46.7721	71.4101	0.4099	40.7915	0.2100	41.0015	10.9196	0.1949	11.1145		42,552.8611	42,552.8611	1.5642		42,591.9647

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
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Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

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	1.1523	43.4240	15.2505	0.1587	4.2087	0.0494	4.2580	1.2234	0.0472	1.2705		17,472.5641	17,472.5641	1.2271		17,503.2410
Worker	7.4636	3.3482	56.1596	0.2512	33.4541	0.1606	33.6147	8.9283	0.1477	9.0760		25,080.2970	25,080.2970	0.3371		25,088.7237
Total	8.6159	46.7721	71.4101	0.4099	37.6627	0.2100	37.8727	10.1516	0.1949	10.3465		42,552.8611	42,552.8611	1.5642		42,591.9647

3.5 Building Construction - 2031

Unmitigated Construction On-Site

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

Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

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	1.1379	42.9470	15.2346	0.1581	4.4977	0.0486	4.5463	1.2943	0.0465	1.3408		17,418.4708	17,418.4708	1.2185		17,448.9322
Worker	6.9525	3.1040	53.2446	0.2453	36.2938	0.1492	36.4430	9.6253	0.1372	9.7625		24,492.0261	24,492.0261	0.3106		24,499.7915
Total	8.0904	46.0510	68.4792	0.4034	40.7915	0.1978	40.9893	10.9196	0.1837	11.1033		41,910.4969	41,910.4969	1.5291		41,948.7237

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
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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	1.1379	42.9470	15.2346	0.1581	4.2087	0.0486	4.2573	1.2234	0.0465	1.2698		17,418.4708	17,418.4708	1.2185		17,448.9322
Worker	6.9525	3.1040	53.2446	0.2453	33.4541	0.1492	33.6032	8.9283	0.1372	9.0655		24,492.0261	24,492.0261	0.3106		24,499.7915
Total	8.0904	46.0510	68.4792	0.4034	37.6627	0.1978	37.8605	10.1516	0.1837	10.3353		41,910.4969	41,910.4969	1.5291		41,948.7237

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
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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	0.0672	0.0457	0.5892	1.7400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		173.5014	173.5014	4.5900e-003		173.6162
Total	0.0672	0.0457	0.5892	1.7400e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		173.5014	173.5014	4.5900e-003		173.6162

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432

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	0.0672	0.0457	0.5892	1.7400e-003	0.1546	1.1100e-003	0.1557	0.0413	1.0200e-003	0.0423		173.5014	173.5014	4.5900e-003		173.6162
Total	0.0672	0.0457	0.5892	1.7400e-003	0.1546	1.1100e-003	0.1557	0.0413	1.0200e-003	0.0423		173.5014	173.5014	4.5900e-003		173.6162

3.7 Architectural Coating - 2018

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	161.7032					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	162.0018	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

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	2.9058	1.9755	25.4931	0.0753	7.2543	0.0479	7.3022	1.9239	0.0442	1.9680		7,506.8250	7,506.8250	0.1988		7,511.7946
Total	2.9058	1.9755	25.4931	0.0753	7.2543	0.0479	7.3022	1.9239	0.0442	1.9680		7,506.8250	7,506.8250	0.1988		7,511.7946

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	161.7032					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	162.0018	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171

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	2.9058	1.9755	25.4931	0.0753	6.6867	0.0479	6.7346	1.7846	0.0442	1.8287		7,506.8250	7,506.8250	0.1988		7,511.7946
Total	2.9058	1.9755	25.4931	0.0753	6.6867	0.0479	6.7346	1.7846	0.0442	1.8287		7,506.8250	7,506.8250	0.1988		7,511.7946

Construction - Orange County, Winter

**Construction
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	306.00	Dwelling Unit	17.50	306,000.00	875
Apartments Mid Rise	3,278.00	Dwelling Unit	35.62	3,278,000.00	9375
Motel	407.00	Room	4.42	210,072.00	0
Hospital	446.41	1000sqft	9.50	446,407.00	0
City Park	5.10	Acre	5.10	80,797.00	0
Strip Mall	1,087.53	1000sqft	60.29	1,087,531.00	0
General Office Building	34.03	1000sqft	4.33	34,030.00	0
High Turnover (Sit Down Restaurant)	100.33	1000sqft	2.30	100,333.00	0
Other Non-Asphalt Surfaces	4.20	Acre	4.20	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2020
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MW hr)	1543.28	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 - Based on anticipated new land use buildout.

Construction Phase - Assumes overlap of all construction activities and based on CalEEMod default schedule normalized to an 18-year buildout.

Grading -

Demolition -

Trips and VMT - Assumes 1 water truck and 2 trip ends per water truck.

Construction Off-road Equipment Mitigation - Base on SCAQMD Rule 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	220.00	251.00
tblConstructionPhase	NumDays	3,100.00	3,533.00
tblConstructionPhase	NumDays	200.00	228.00
tblConstructionPhase	NumDays	310.00	353.00
tblConstructionPhase	NumDays	220.00	251.00
tblConstructionPhase	NumDays	120.00	137.00
tblConstructionPhase	PhaseEndDate	12/23/2033	12/17/2018
tblConstructionPhase	PhaseEndDate	4/16/2032	7/16/2031
tblConstructionPhase	PhaseEndDate	10/5/2018	11/14/2018
tblConstructionPhase	PhaseEndDate	5/29/2020	5/8/2019
tblConstructionPhase	PhaseEndDate	2/18/2033	12/17/2018
tblConstructionPhase	PhaseEndDate	3/22/2019	7/10/2018
tblConstructionPhase	PhaseStartDate	2/19/2033	1/1/2018
tblConstructionPhase	PhaseStartDate	5/30/2020	1/1/2018
tblConstructionPhase	PhaseStartDate	3/23/2019	1/1/2018
tblConstructionPhase	PhaseStartDate	4/17/2032	1/1/2018

tblConstructionPhase	PhaseStartDate	10/6/2018	1/1/2018
tblLandUse	BuildingSpaceSquareFeet	797,801.40	210,072.00
tblLandUse	BuildingSpaceSquareFeet	446,410.00	446,407.00
tblLandUse	BuildingSpaceSquareFeet	0.00	80,797.00
tblLandUse	BuildingSpaceSquareFeet	1,087,530.00	1,087,531.00
tblLandUse	BuildingSpaceSquareFeet	100,330.00	100,333.00
tblLandUse	BuildingSpaceSquareFeet	182,952.00	0.00
tblLandUse	GreenSpaceSquareFeet	222,156.00	0.00
tblLandUse	LandUseSquareFeet	797,801.40	210,072.00
tblLandUse	LandUseSquareFeet	446,410.00	446,407.00
tblLandUse	LandUseSquareFeet	222,156.00	80,797.00
tblLandUse	LandUseSquareFeet	1,087,530.00	1,087,531.00
tblLandUse	LandUseSquareFeet	100,330.00	100,333.00
tblLandUse	LandUseSquareFeet	182,952.00	0.00
tblLandUse	LotAcreage	19.13	17.50
tblLandUse	LotAcreage	86.26	35.62
tblLandUse	LotAcreage	18.31	4.42
tblLandUse	LotAcreage	10.25	9.50
tblLandUse	LotAcreage	24.97	60.29
tblLandUse	LotAcreage	0.78	4.33
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

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					
2018	202.8819	293.8089	285.2303	0.8189	80.5709	10.7137	91.2846	27.3839	9.9448	37.3287	0.0000	83,378.5086	83,378.5086	8.7212	0.0000	83,596.5391
2019	25.0498	165.5040	181.6962	0.6114	49.7017	4.4678	54.1695	14.5792	4.1569	18.7361	0.0000	62,355.0985	62,355.0985	5.1445	0.0000	62,483.7118
2020	18.5695	101.1420	136.2999	0.5340	40.7919	1.7463	42.5381	10.9197	1.6437	12.5634	0.0000	54,668.2110	54,668.2110	3.0088	0.0000	54,743.4303
2021	17.1415	91.1137	127.2287	0.5206	40.7917	1.3359	42.1276	10.9197	1.2537	12.1734	0.0000	53,346.1406	53,346.1406	2.8648	0.0000	53,417.7603
2022	16.1328	84.9674	120.1153	0.5066	40.7916	1.1633	41.9549	10.9196	1.0918	12.0114	0.0000	51,967.4603	51,967.4603	2.7450	0.0000	52,036.0863
2023	14.9267	67.6815	112.6188	0.4892	40.7915	0.9864	41.7780	10.9196	0.9245	11.8441	0.0000	50,225.0637	50,225.0637	2.5686	0.0000	50,289.2778
2024	14.2223	65.5857	106.6338	0.4758	40.7915	0.8945	41.6860	10.9196	0.8378	11.7573	0.0000	48,900.7096	48,900.7096	2.4889	0.0000	48,962.9330
2025	13.6071	63.5309	101.4076	0.4630	40.7914	0.8045	41.5960	10.9196	0.7532	11.6727	0.0000	47,634.1080	47,634.1080	2.4210	0.0000	47,694.6336
2026	13.1645	62.5215	97.0399	0.4518	40.7914	0.7965	41.5879	10.9196	0.7457	11.6652	0.0000	46,534.8834	46,534.8834	2.3632	0.0000	46,593.9632
2027	12.7270	61.5833	93.2213	0.4421	40.7914	0.7837	41.5751	10.9196	0.7338	11.6534	0.0000	45,572.4917	45,572.4917	2.3110	0.0000	45,630.2674
2028	12.2672	60.7773	89.8843	0.4337	40.7914	0.7670	41.5584	10.9196	0.7184	11.6380	0.0000	44,736.4026	44,736.4026	2.2647	0.0000	44,793.0200
2029	11.7580	60.0262	86.7168	0.4263	40.7915	0.7522	41.5437	10.9196	0.7048	11.6244	0.0000	44,003.5202	44,003.5202	2.2227	0.0000	44,059.0884
2030	11.1674	54.7893	83.8607	0.4238	40.7915	0.3596	41.1511	10.9196	0.3444	11.2640	0.0000	43,701.4552	43,701.4552	1.6995	0.0000	43,743.9416
2031	10.5731	54.0394	81.0996	0.4176	40.7915	0.3472	41.1387	10.9196	0.3331	11.2526	0.0000	43,090.8144	43,090.8144	1.6645	0.0000	43,132.4276
Maximum	202.8819	293.8089	285.2303	0.8189	80.5709	10.7137	91.2846	27.3839	9.9448	37.3287	0.0000	83,378.5086	83,378.5086	8.7212	0.0000	83,596.5391

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					
2018	202.8819	293.8089	285.2303	0.8189	58.8368	10.7137	69.5504	18.3109	9.9448	28.2557	0.0000	83,378.5086	83,378.5086	8.7212	0.0000	83,596.5390
2019	25.0498	165.5040	181.6962	0.6114	41.5892	4.4678	46.0570	11.7478	4.1569	15.9046	0.0000	62,355.0985	62,355.0985	5.1445	0.0000	62,483.7117
2020	18.5695	101.1420	136.2999	0.5340	37.6631	1.7463	39.4094	10.1517	1.6437	11.7954	0.0000	54,668.2110	54,668.2110	3.0088	0.0000	54,743.4303
2021	17.1415	91.1137	127.2287	0.5206	37.6630	1.3359	38.9989	10.1517	1.2537	11.4054	0.0000	53,346.1406	53,346.1406	2.8648	0.0000	53,417.7603
2022	16.1328	84.9674	120.1153	0.5066	37.6629	1.1633	38.8262	10.1516	1.0918	11.2434	0.0000	51,967.4603	51,967.4603	2.7450	0.0000	52,036.0863
2023	14.9267	67.6815	112.6188	0.4892	37.6628	0.9864	38.6492	10.1516	0.9245	11.0761	0.0000	50,225.0637	50,225.0637	2.5686	0.0000	50,289.2777
2024	14.2223	65.5857	106.6338	0.4758	37.6627	0.8945	38.5572	10.1516	0.8378	10.9894	0.0000	48,900.7096	48,900.7096	2.4889	0.0000	48,962.9330
2025	13.6071	63.5309	101.4076	0.4630	37.6627	0.8045	38.4672	10.1516	0.7532	10.9048	0.0000	47,634.1080	47,634.1080	2.4210	0.0000	47,694.6336
2026	13.1645	62.5215	97.0399	0.4518	37.6627	0.7965	38.4591	10.1516	0.7457	10.8973	0.0000	46,534.8834	46,534.8834	2.3632	0.0000	46,593.9632
2027	12.7270	61.5833	93.2213	0.4421	37.6627	0.7837	38.4463	10.1516	0.7338	10.8854	0.0000	45,572.4917	45,572.4917	2.3110	0.0000	45,630.2674
2028	12.2672	60.7773	89.8843	0.4337	37.6627	0.7670	38.4296	10.1516	0.7184	10.8700	0.0000	44,736.4026	44,736.4026	2.2647	0.0000	44,793.0200
2029	11.7580	60.0262	86.7168	0.4263	37.6627	0.7522	38.4150	10.1516	0.7048	10.8564	0.0000	44,003.5202	44,003.5202	2.2227	0.0000	44,059.0884
2030	11.1674	54.7893	83.8607	0.4238	37.6627	0.3596	38.0223	10.1516	0.3444	10.4961	0.0000	43,701.4552	43,701.4552	1.6995	0.0000	43,743.9416
2031	10.5731	54.0394	81.0996	0.4176	37.6627	0.3472	38.0100	10.1516	0.3331	10.4847	0.0000	43,090.8144	43,090.8144	1.6645	0.0000	43,132.4276

Maximum	202.8819	293.8089	285.2303	0.8189	58.8368	10.7137	69.5504	18.3109	9.9448	28.2557	0.0000	83,378.5086	83,378.5086	8.7212	0.0000	83,596.5390
	ROG	NOx	CO	SO2	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	10.87	0.00	10.44	12.21	0.00	10.71	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	11/14/2018	5	228	
2	Site Preparation	Site Preparation	1/1/2018	7/10/2018	5	137	
3	Grading	Grading	1/1/2018	5/8/2019	5	353	
4	Building Construction	Building Construction	1/1/2018	7/16/2031	5	3533	
5	Paving	Paving	1/1/2018	12/17/2018	5	251	
6	Architectural Coating	Architectural Coating	1/1/2018	12/17/2018	5	251	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 882.5

Acres of Paving: 4.2

Residential Indoor: 7,257,600; Residential Outdoor: 2,419,200; Non-Residential Indoor: 2,938,755; Non-Residential Outdoor: 979,585;

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73

Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

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
Architectural Coating	1	649.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	3,247.00	704.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	2.00	4,862.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	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
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.6150	0.0000	4.6150	0.6988	0.0000	0.6988			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	4.6150	1.9386	6.5536	0.6988	1.8048	2.5036		3,871.7665	3,871.7665	1.0667		3,898.4344

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	0.1890	6.7511	1.6111	0.0165	0.3714	0.0271	0.3984	0.1017	0.0259	0.1276		1,828.7042	1,828.7042	0.1991		1,833.6827

Vendor	8.4500e-003	0.2390	0.0703	4.9000e-004	0.0128	1.8000e-003	0.0146	3.6800e-003	1.7200e-003	5.4000e-003		53.5430	53.5430	5.0200e-003		53.6684
Worker	0.0757	0.0502	0.5471	1.6500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		164.2196	164.2196	4.3700e-003		164.3288
Total	0.2732	7.0403	2.2284	0.0186	0.5518	0.0300	0.5818	0.1498	0.0287	0.1785		2,046.4667	2,046.4667	0.2085		2,051.6798

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					1.9729	0.0000	1.9729	0.2987	0.0000	0.2987			0.0000				0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667			3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.9729	1.9386	3.9115	0.2987	1.8048	2.1036	0.0000	3,871.7665	3,871.7665	1.0667			3,898.4344

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	0.1890	6.7511	1.6111	0.0165	0.3460	0.0271	0.3731	0.0954	0.0259	0.1213		1,828.7042	1,828.7042	0.1991		1,833.6827
Vendor	8.4500e-003	0.2390	0.0703	4.9000e-004	0.0120	1.8000e-003	0.0138	3.4800e-003	1.7200e-003	5.2000e-003		53.5430	53.5430	5.0200e-003		53.6684

Worker	0.0757	0.0502	0.5471	1.6500e-003	0.1546	1.1100e-003	0.1557	0.0413	1.0200e-003	0.0423		164.2196	164.2196	4.3700e-003		164.3288
Total	0.2732	7.0403	2.2284	0.0186	0.5125	0.0300	0.5425	0.1402	0.0287	0.1688		2,046.4667	2,046.4667	0.2085		2,051.6798

3.3 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.6239	3,831.6239	1.1928		3,861.4448

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	8.4500e-003	0.2390	0.0703	4.9000e-004	0.0128	1.8000e-003	0.0146	3.6800e-003	1.7200e-003	5.4000e-003		53.5430	53.5430	5.0200e-003		53.6684
Worker	0.0908	0.0602	0.6565	1.9800e-003	0.2012	1.3300e-003	0.2025	0.0534	1.2200e-003	0.0546		197.0635	197.0635	5.2400e-003		197.1945

Total	0.0993	0.2992	0.7268	2.4700e-003	0.2140	3.1300e-003	0.2171	0.0570	2.9400e-003	0.0600		250.6065	250.6065	0.0103		250.8629
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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					7.7233	0.0000	7.7233	4.2454	0.0000	4.2454			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	7.7233	2.5769	10.3002	4.2454	2.3708	6.6161	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

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	8.4500e-003	0.2390	0.0703	4.9000e-004	0.0120	1.8000e-003	0.0138	3.4800e-003	1.7200e-003	5.2000e-003		53.5430	53.5430	5.0200e-003		53.6684
Worker	0.0908	0.0602	0.6565	1.9800e-003	0.1855	1.3300e-003	0.1868	0.0495	1.2200e-003	0.0507		197.0635	197.0635	5.2400e-003		197.1945
Total	0.0993	0.2992	0.7268	2.4700e-003	0.1974	3.1300e-003	0.2005	0.0530	2.9400e-003	0.0559		250.6065	250.6065	0.0103		250.8629

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.4284	6,244.4284	1.9440		6,293.0278

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	8.4500e-003	0.2390	0.0703	4.9000e-004	0.0128	1.8000e-003	0.0146	3.6800e-003	1.7200e-003	5.4000e-003		53.5430	53.5430	5.0200e-003		53.6684
Worker	0.1009	0.0669	0.7294	2.2000e-003	0.2236	1.4800e-003	0.2250	0.0593	1.3600e-003	0.0607		218.9595	218.9595	5.8200e-003		219.1050
Total	0.1093	0.3059	0.7997	2.6900e-003	0.2363	3.2800e-003	0.2396	0.0630	3.0800e-003	0.0661		272.5024	272.5024	0.0108		272.7734

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.7079	0.0000	3.7079	1.5375	0.0000	1.5375			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	5.0901	59.5218	35.0894	0.0620	3.7079	2.6337	6.3416	1.5375	2.4230	3.9605	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278

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	8.4500e-003	0.2390	0.0703	4.9000e-004	0.0120	1.8000e-003	0.0138	3.4800e-003	1.7200e-003	5.2000e-003		53.5430	53.5430	5.0200e-003		53.6684
Worker	0.1009	0.0669	0.7294	2.2000e-003	0.2061	1.4800e-003	0.2075	0.0550	1.3600e-003	0.0564		218.9595	218.9595	5.8200e-003		219.1050
Total	0.1093	0.3059	0.7997	2.6900e-003	0.2180	3.2800e-003	0.2213	0.0585	3.0800e-003	0.0616		272.5024	272.5024	0.0108		272.7734

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	8.6733	2.3827	11.0560	3.5965	2.1920	5.7885		6,140.0195	6,140.0195	1.9426		6,188.5854

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	7.8200e-003	0.2272	0.0659	4.9000e-004	0.0128	1.5600e-003	0.0143	3.6800e-003	1.4900e-003	5.1700e-003		53.2710	53.2710	4.8500e-003		53.3923
Worker	0.0930	0.0594	0.6606	2.1400e-003	0.2236	1.4900e-003	0.2251	0.0593	1.3800e-003	0.0607		213.1547	213.1547	5.2500e-003		213.2860
Total	0.1008	0.2866	0.7264	2.6300e-003	0.2363	3.0500e-003	0.2394	0.0630	2.8700e-003	0.0658		266.4258	266.4258	0.0101		266.6784

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
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Category	lb/day										lb/day					
Fugitive Dust					3.7079	0.0000	3.7079	1.5375	0.0000	1.5375			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	3.7079	2.3827	6.0905	1.5375	2.1920	3.7295	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854

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	7.8200e-003	0.2272	0.0659	4.9000e-004	0.0120	1.5600e-003	0.0135	3.4800e-003	1.4900e-003	4.9700e-003		53.2710	53.2710	4.8500e-003		53.3923
Worker	0.0930	0.0594	0.6606	2.1400e-003	0.2061	1.4900e-003	0.2076	0.0550	1.3800e-003	0.0564		213.1547	213.1547	5.2500e-003		213.2860
Total	0.1008	0.2866	0.7264	2.6300e-003	0.2180	3.0500e-003	0.2211	0.0585	2.8700e-003	0.0613		266.4258	266.4258	0.0101		266.6784

3.5 Building Construction - 2018

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	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

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	2.9754	84.1166	24.7332	0.1738	4.4984	0.6327	5.1312	1.2945	0.6053	1.8999		18,847.1176	18,847.1176	1.7667		18,891.2847
Worker	16.3786	10.8654	118.4242	0.3568	36.2938	0.2397	36.5335	9.6253	0.2209	9.8462		35,548.0699	35,548.0699	0.9451		35,571.6966
Total	19.3541	94.9819	143.1574	0.5306	40.7922	0.8725	41.6647	10.9198	0.8262	11.7460		54,395.1875	54,395.1875	2.7118		54,462.9813

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	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883

Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
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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	2.9754	84.1166	24.7332	0.1738	4.2094	0.6327	4.8422	1.2236	0.6053	1.8289		18,847.1176	18,847.1176	1.7667		18,891.2847
Worker	16.3786	10.8654	118.4242	0.3568	33.4541	0.2397	33.6938	8.9283	0.2209	9.1491		35,548.0699	35,548.0699	0.9451		35,571.6966
Total	19.3541	94.9819	143.1574	0.5306	37.6635	0.8725	38.5360	10.1519	0.8262	10.9781		54,395.1875	54,395.1875	2.7118		54,462.9813

3.5 Building Construction - 2019

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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

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	2.7521	79.9736	23.1871	0.1727	4.4982	0.5498	5.0480	1.2945	0.5259	1.8204		18,751.40 14	18,751.401 4	1.7079		18,794.09 76
Worker	15.0968	9.6448	107.2421	0.3472	36.2938	0.2425	36.5363	9.6253	0.2233	9.8486		34,605.67 17	34,605.671 7	0.8526		34,626.98 69
Total	17.8489	89.6184	130.4292	0.5198	40.7921	0.7922	41.5843	10.9198	0.7492	11.6690		53,357.07 31	53,357.073 1	2.5605		53,421.08 45

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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.5802	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.5802	0.6313		2,607.363 5

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	2.7521	79.9736	23.1871	0.1727	4.2092	0.5498	4.7590	1.2235	0.5259	1.7495		18,751.40 14	18,751.401 4	1.7079		18,794.09 76
Worker	15.0968	9.6448	107.2421	0.3472	33.4541	0.2425	33.6965	8.9283	0.2233	9.1516		34,605.67 17	34,605.671 7	0.8526		34,626.98 69
Total	17.8489	89.6184	130.4292	0.5198	37.6633	0.7922	38.4555	10.1518	0.7492	10.9010		53,357.07 31	53,357.073 1	2.5605		53,421.08 45

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063 1	2,553.0631	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063 1	2,553.0631	0.6229		2,568.634 5

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	2.3486	73.3167	21.2175	0.1712	4.4981	0.3892	4.8873	1.2944	0.3723	1.6668		18,618.4092	18,618.4092	1.6217		18,658.9509
Worker	14.1011	8.6393	98.2338	0.3359	36.2938	0.2400	36.5338	9.6253	0.2210	9.8463		33,496.7387	33,496.7387	0.7643		33,515.8450
Total	16.4496	81.9560	119.4514	0.5071	40.7919	0.6292	41.4211	10.9197	0.5933	11.5130		52,115.1479	52,115.1479	2.3859		52,174.7959

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

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	2.3486	73.3167	21.2175	0.1712	4.2091	0.3892	4.5983	1.2235	0.3723	1.5958		18,618.4092	18,618.4092	1.6217		18,658.9509
Worker	14.1011	8.6393	98.2338	0.3359	33.4541	0.2400	33.6940	8.9283	0.2210	9.1493		33,496.7387	33,496.7387	0.7643		33,515.8450
Total	16.4496	81.9560	119.4514	0.5071	37.6631	0.6292	38.2923	10.1517	0.5933	10.7451		52,115.1479	52,115.1479	2.3859		52,174.7959

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

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
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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	1.9718	65.8896	19.6504	0.1694	4.4979	0.1423	4.6403	1.2944	0.1361	1.4305		18,458.10 54	18,458.105 4	1.5564		18,497.01 49
Worker	13.2688	7.7920	91.0030	0.3242	36.2938	0.2349	36.5287	9.6253	0.2163	9.8416		32,334.67 13	32,334.671 3	0.6924		32,351.98 12
Total	15.2406	73.6816	110.6535	0.4936	40.7917	0.3773	41.1690	10.9197	0.3525	11.2721		50,792.77 67	50,792.776 7	2.2488		50,848.99 61

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.363 9	2,553.3639	0.6160		2,568.764 3
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.363 9	2,553.3639	0.6160		2,568.764 3

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9718	65.8896	19.6504	0.1694	4.2089	0.1423	4.3513	1.2234	0.1361	1.3596		18,458.1054	18,458.1054	1.5564		18,497.0149
Worker	13.2688	7.7920	91.0030	0.3242	33.4541	0.2349	33.6890	8.9283	0.2163	9.1446		32,334.6713	32,334.6713	0.6924		32,351.9812
Total	15.2406	73.6816	110.6535	0.4936	37.6630	0.3773	38.0402	10.1517	0.3525	10.5041		50,792.7767	50,792.7767	2.2488		50,848.9961

3.5 Building Construction - 2022
Unmitigated Construction On-Site

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

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	1.8541	62.2933	18.9469	0.1675	4.4978	0.1239	4.6217	1.2943	0.1185	1.4129		18,275.0859	18,275.0859	1.5048		18,312.7046
Worker	12.5725	7.0585	84.8050	0.3122	36.2938	0.2304	36.5242	9.6253	0.2121	9.8374		31,138.0409	31,138.0409	0.6283		31,153.7495
Total	14.4266	69.3518	103.7519	0.4797	40.7916	0.3543	41.1459	10.9196	0.3306	11.2502		49,413.1267	49,413.1267	2.1331		49,466.4541

Mitigated Construction On-Site

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

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	1.8541	62.2933	18.9469	0.1675	4.2088	0.1239	4.3327	1.2234	0.1185	1.3419		18,275.0859	18,275.0859	1.5048		18,312.7046

Worker	12.5725	7.0585	84.8050	0.3122	33.4541	0.2304	33.6844	8.9283	0.2121	9.1403		31,138.0409	31,138.0409	0.6283		31,153.7495
Total	14.4266	69.3518	103.7519	0.4797	37.6629	0.3543	38.0171	10.1516	0.3306	10.4823		49,413.1267	49,413.1267	2.1331		49,466.4541

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	1.4119	46.8895	17.4107	0.1621	4.4977	0.0603	4.5580	1.2943	0.0576	1.3519		17,727.3714	17,727.3714	1.3913		17,762.1544
Worker	11.9420	6.4072	78.9642	0.3001	36.2938	0.2264	36.5202	9.6253	0.2084	9.8337		29,942.4823	29,942.4823	0.5694		29,956.7173

Total	13.3540	53.2966	96.3748	0.4622	40.7915	0.2867	41.0782	10.9196	0.2661	11.1856		47,669.85	47,669.853	1.9607		47,718.87
												37	7			17

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	1.4119	46.8895	17.4107	0.1621	4.2087	0.0603	4.2690	1.2234	0.0576	1.2810		17,727.3714	17,727.3714	1.3913		17,762.1544
Worker	11.9420	6.4072	78.9642	0.3001	33.4541	0.2264	33.6805	8.9283	0.2084	9.1367		29,942.4823	29,942.4823	0.5694		29,956.7173
Total	13.3540	53.2966	96.3748	0.4622	37.6628	0.2867	37.9495	10.1516	0.2661	10.4177		47,669.8537	47,669.8537	1.9607		47,718.8717

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	1.3639	46.3083	17.0374	0.1606	4.4977	0.0587	4.5564	1.2943	0.0561	1.3504		17,588.7321	17,588.7321	1.3680		17,622.9328
Worker	11.3869	5.8337	73.4296	0.2882	36.2938	0.2225	36.5163	9.6253	0.2048	9.8301		28,756.2786	28,756.2786	0.5166		28,769.1926
Total	12.7508	52.1419	90.4669	0.4488	40.7915	0.2812	41.0727	10.9196	0.2609	11.1804		46,345.0107	46,345.0107	1.8846		46,392.1254

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	1.3639	46.3083	17.0374	0.1606	4.2087	0.0587	4.2674	1.2233	0.0561	1.2795		17,588.7321	17,588.7321	1.3680		17,622.9328
Worker	11.3869	5.8337	73.4296	0.2882	33.4541	0.2225	33.6766	8.9283	0.2048	9.1330		28,756.2786	28,756.2786	0.5166		28,769.1926
Total	12.7508	52.1419	90.4669	0.4488	37.6627	0.2812	37.9439	10.1516	0.2609	10.4125		46,345.0107	46,345.0107	1.8846		46,392.1254

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

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	1.3283	45.7109	16.8224	0.1595	4.4976	0.0572	4.5548	1.2943	0.0547	1.3490		17,482.7374	17,482.7374	1.3479		17,516.4345
Worker	10.9114	5.3502	68.5005	0.2765	36.2938	0.2198	36.5136	9.6253	0.2022	9.8275		27,594.8962	27,594.8962	0.4722		27,606.7010
Total	12.2397	51.0612	85.3229	0.4360	40.7914	0.2770	41.0684	10.9196	0.2569	11.1765		45,077.6336	45,077.6336	1.8201		45,123.1355

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
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Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.4744	0.6010		2,571.498 1

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	1.3283	45.7109	16.8224	0.1595	4.2086	0.0572	4.2658	1.2233	0.0547	1.2780		17,482.73 74	17,482.737 4	1.3479		17,516.43 45
Worker	10.9114	5.3502	68.5005	0.2765	33.4541	0.2198	33.6738	8.9283	0.2022	9.1305		27,594.89 62	27,594.896 2	0.4722		27,606.70 10
Total	12.2397	51.0612	85.3229	0.4360	37.6627	0.2770	37.9396	10.1516	0.2569	10.4085		45,077.63 36	45,077.633 6	1.8201		45,123.13 55

3.5 Building Construction - 2026

Unmitigated Construction On-Site

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

Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

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	1.2966	45.1128	16.6743	0.1584	4.4976	0.0557	4.5533	1.2943	0.0532	1.3475		17,380.9723	17,380.9723	1.3284		17,414.1817
Worker	10.5006	4.9390	64.2810	0.2665	36.2938	0.2132	36.5070	9.6253	0.1962	9.8215		26,597.4368	26,597.4368	0.4339		26,608.2834
Total	11.7971	50.0519	80.9553	0.4249	40.7914	0.2689	41.0603	10.9196	0.2494	11.1690		43,978.4091	43,978.4091	1.7623		44,022.4651

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474	2,556.4744	0.6010		2,571.498
												4				1

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	1.2966	45.1128	16.6743	0.1584	4.2086	0.0557	4.2643	1.2233	0.0532	1.2765		17,380.9723	17,380.9723	1.3284		17,414.1817
Worker	10.5006	4.9390	64.2810	0.2665	33.4541	0.2132	33.6673	8.9283	0.1962	9.1245		26,597.4368	26,597.4368	0.4339		26,608.2834
Total	11.7971	50.0519	80.9553	0.4249	37.6627	0.2689	37.9316	10.1516	0.2494	10.4010		43,978.4091	43,978.4091	1.7623		44,022.4651

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

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	1.2697	44.5386	16.5559	0.1574	4.4976	0.0543	4.5519	1.2943	0.0519	1.3462		17,286.9733	17,286.9733	1.3101		17,319.7264
Worker	10.0899	4.5751	60.5808	0.2578	36.2938	0.2018	36.4956	9.6253	0.1856	9.8109		25,729.0440	25,729.0440	0.4000		25,739.0429
Total	11.3596	49.1136	77.1366	0.4152	40.7914	0.2561	41.0475	10.9196	0.2376	11.1571		43,016.0173	43,016.0173	1.7101		43,058.7693

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

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	1.2697	44.5386	16.5559	0.1574	4.2086	0.0543	4.2629	1.2233	0.0519	1.2753		17,286.9733	17,286.9733	1.3101		17,319.7264
Worker	10.0899	4.5751	60.5808	0.2578	33.4541	0.2018	33.6558	8.9283	0.1856	9.1139		25,729.0440	25,729.0440	0.4000		25,739.0429
Total	11.3596	49.1136	77.1366	0.4152	37.6627	0.2561	37.9188	10.1516	0.2376	10.3892		43,016.0173	43,016.0173	1.7101		43,058.7693

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

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	1.2468	44.0567	16.4850	0.1566	4.4976	0.0531	4.5507	1.2943	0.0507	1.3450		17,205.7365	17,205.7365	1.2935		17,238.0729
Worker	9.6530	4.2509	57.3147	0.2502	36.2938	0.1863	36.4801	9.6253	0.1714	9.7967		24,974.1918	24,974.1918	0.3703		24,983.4491
Total	10.8998	48.3076	73.7997	0.4067	40.7914	0.2394	41.0308	10.9196	0.2221	11.1417		42,179.9283	42,179.9283	1.6638		42,221.5219

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

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	1.2468	44.0567	16.4850	0.1566	4.2086	0.0531	4.2617	1.2233	0.0507	1.2741		17,205.7365	17,205.7365	1.2935		17,238.0729
Worker	9.6530	4.2509	57.3147	0.2502	33.4541	0.1863	33.6404	8.9283	0.1714	9.0997		24,974.1918	24,974.1918	0.3703		24,983.4491
Total	10.8998	48.3076	73.7997	0.4067	37.6627	0.2394	37.9021	10.1516	0.2221	10.3737		42,179.9283	42,179.9283	1.6638		42,221.5219

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

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
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Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2266	43.6056	16.4153	0.1558	4.4977	0.0520	4.5496	1.2943	0.0497	1.3440		17,132.1255	17,132.1255	1.2794		17,164.1094	
Worker	9.1640	3.9510	54.2168	0.2435	36.2938	0.1727	36.4665	9.6253	0.1589	9.7842		24,314.9204	24,314.9204	0.3424		24,323.4810	
Total	10.3906	47.5566	70.6321	0.3993	40.7915	0.2247	41.0161	10.9196	0.2086	11.1281		41,447.0459	41,447.0459	1.6218		41,487.5904	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2266	43.6056	16.4153	0.1558	4.2087	0.0520	4.2606	1.2233	0.0497	1.2730		17,132.1255	17,132.1255	1.2794		17,164.1094
Worker	9.1640	3.9510	54.2168	0.2435	33.4541	0.1727	33.6268	8.9283	0.1589	9.0871		24,314.9204	24,314.9204	0.3424		24,323.4810
Total	10.3906	47.5566	70.6321	0.3993	37.6627	0.2247	37.8874	10.1516	0.2086	10.3602		41,447.0459	41,447.0459	1.6218		41,487.5904

3.5 Building Construction - 2030
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

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	1.2074	43.1814	16.3527	0.1551	4.4977	0.0508	4.5485	1.2943	0.0486	1.3429		17,065.44 10	17,065.441 0	1.2662		17,097.09 65
Worker	8.6508	3.6733	51.3511	0.2377	36.2938	0.1606	36.4544	9.6253	0.1477	9.7730		23,738.46 75	23,738.467 5	0.3170		23,746.39 23
Total	9.8583	46.8547	67.7037	0.3928	40.7915	0.2114	41.0029	10.9196	0.1963	11.1159		40,803.90 84	40,803.908 4	1.5832		40,843.48 88

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.546 8	2,897.5468	0.1162		2,900.452 9
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.546 8	2,897.5468	0.1162		2,900.452 9

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	1.2074	43.1814	16.3527	0.1551	4.2087	0.0508	4.2595	1.2234	0.0486	1.2719		17,065.44 10	17,065.441 0	1.2662		17,097.09 65

Worker	8.6508	3.6733	51.3511	0.2377	33.4541	0.1606	33.6147	8.9283	0.1477	9.0760		23,738.4675	23,738.4675	0.3170		23,746.3923
Total	9.8583	46.8547	67.7037	0.3928	37.6627	0.2114	37.8742	10.1516	0.1963	10.3479		40,803.9084	40,803.9084	1.5832		40,843.4888

3.5 Building Construction - 2031
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

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	1.1920	42.7009	16.3267	0.1545	4.4977	0.0499	4.5476	1.2943	0.0477	1.3420		17,013.5897	17,013.5897	1.2564		17,045.0003
Worker	8.0720	3.4038	48.6159	0.2321	36.2938	0.1492	36.4430	9.6253	0.1372	9.7625		23,179.6780	23,179.6780	0.2919		23,186.9745

Total	9.2640	46.1047	64.9426	0.3867	40.7915	0.1991	40.9906	10.9196	0.1849	11.1045		40,193.2677	40,193.2677	1.5483		40,231.9747
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

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	1.1920	42.7009	16.3267	0.1545	4.2087	0.0499	4.2586	1.2234	0.0477	1.2711		17,013.5897	17,013.5897	1.2564		17,045.0003
Worker	8.0720	3.4038	48.6159	0.2321	33.4541	0.1492	33.6032	8.9283	0.1372	9.0655		23,179.6780	23,179.6780	0.2919		23,186.9745
Total	9.2640	46.1047	64.9426	0.3867	37.6627	0.1991	37.8618	10.1516	0.1849	10.3365		40,193.2677	40,193.2677	1.5483		40,231.9747

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432

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	0.0757	0.0502	0.5471	1.6500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		164.2196	164.2196	4.3700e-003		164.3288
Total	0.0757	0.0502	0.5471	1.6500e-003	0.1677	1.1100e-003	0.1688	0.0445	1.0200e-003	0.0455		164.2196	164.2196	4.3700e-003		164.3288

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432

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	0.0757	0.0502	0.5471	1.6500e-003	0.1546	1.1100e-003	0.1557	0.0413	1.0200e-003	0.0423		164.2196	164.2196	4.3700e-003		164.3288
Total	0.0757	0.0502	0.5471	1.6500e-003	0.1546	1.1100e-003	0.1557	0.0413	1.0200e-003	0.0423		164.2196	164.2196	4.3700e-003		164.3288

3.7 Architectural Coating - 2018

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	161.7032					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	162.0018	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

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	3.2737	2.1717	23.6703	0.0713	7.2543	0.0479	7.3022	1.9239	0.0442	1.9680		7,105.2348	7,105.2348	0.1889		7,109.9572
Total	3.2737	2.1717	23.6703	0.0713	7.2543	0.0479	7.3022	1.9239	0.0442	1.9680		7,105.2348	7,105.2348	0.1889		7,109.9572

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
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Category	lb/day										lb/day					
Archit. Coating	161.7032					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	162.0018	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171

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	3.2737	2.1717	23.6703	0.0713	6.6867	0.0479	6.7346	1.7846	0.0442	1.8287		7,105.2348	7,105.2348	0.1889		7,109.9572
Total	3.2737	2.1717	23.6703	0.0713	6.6867	0.0479	6.7346	1.7846	0.0442	1.8287		7,105.2348	7,105.2348	0.1889		7,109.9572

Construction - Orange County, Annual

**Construction
Orange County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	306.00	Dwelling Unit	17.50	306,000.00	875
Apartments Mid Rise	3,278.00	Dwelling Unit	35.62	3,278,000.00	9375
Motel	407.00	Room	4.42	210,072.00	0
Hospital	446.41	1000sqft	9.50	446,407.00	0
City Park	5.10	Acre	5.10	80,797.00	0
Strip Mall	1,087.53	1000sqft	60.29	1,087,531.00	0
General Office Building	34.03	1000sqft	4.33	34,030.00	0
High Turnover (Sit Down Restaurant)	100.33	1000sqft	2.30	100,333.00	0
Other Non-Asphalt Surfaces	4.20	Acre	4.20	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2020
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1543.28	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on anticipated new land use buildout.

Construction Phase - Assumes overlap of all construction activities and based on CalEEMod default schedule normalized to an 18-year buildout.

Grading -

Demolition -

Trips and VMT - Assumes 1 water truck and 2 trip ends per water truck.

Construction Off-road Equipment Mitigation - Base on SCAQMD Rule 403 and 1186.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	220.00	251.00
tblConstructionPhase	NumDays	3,100.00	3,533.00
tblConstructionPhase	NumDays	200.00	228.00
tblConstructionPhase	NumDays	310.00	353.00
tblConstructionPhase	NumDays	220.00	251.00
tblConstructionPhase	NumDays	120.00	137.00
tblConstructionPhase	PhaseEndDate	12/23/2033	12/17/2018
tblConstructionPhase	PhaseEndDate	4/16/2032	7/16/2031
tblConstructionPhase	PhaseEndDate	10/5/2018	11/14/2018
tblConstructionPhase	PhaseEndDate	5/29/2020	5/8/2019
tblConstructionPhase	PhaseEndDate	2/18/2033	12/17/2018
tblConstructionPhase	PhaseEndDate	3/22/2019	7/10/2018
tblConstructionPhase	PhaseStartDate	2/19/2033	1/1/2018
tblConstructionPhase	PhaseStartDate	5/30/2020	1/1/2018
tblConstructionPhase	PhaseStartDate	3/23/2019	1/1/2018

tblConstructionPhase	PhaseStartDate	4/17/2032	1/1/2018
tblConstructionPhase	PhaseStartDate	10/6/2018	1/1/2018
tblLandUse	BuildingSpaceSquareFeet	797,801.40	210,072.00
tblLandUse	BuildingSpaceSquareFeet	446,410.00	446,407.00
tblLandUse	BuildingSpaceSquareFeet	0.00	80,797.00
tblLandUse	BuildingSpaceSquareFeet	1,087,530.00	1,087,531.00
tblLandUse	BuildingSpaceSquareFeet	100,330.00	100,333.00
tblLandUse	BuildingSpaceSquareFeet	182,952.00	0.00
tblLandUse	GreenSpaceSquareFeet	222,156.00	0.00
tblLandUse	LandUseSquareFeet	797,801.40	210,072.00
tblLandUse	LandUseSquareFeet	446,410.00	446,407.00
tblLandUse	LandUseSquareFeet	222,156.00	80,797.00
tblLandUse	LandUseSquareFeet	1,087,530.00	1,087,531.00
tblLandUse	LandUseSquareFeet	100,330.00	100,333.00
tblLandUse	LandUseSquareFeet	182,952.00	0.00
tblLandUse	LotAcreage	19.13	17.50
tblLandUse	LotAcreage	86.26	35.62
tblLandUse	LotAcreage	18.31	4.42
tblLandUse	LotAcreage	10.25	9.50
tblLandUse	LotAcreage	24.97	60.29
tblLandUse	LotAcreage	0.78	4.33
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	25.0172	34.7479	35.4674	0.1041	9.5461	1.1990	10.7451	3.0686	1.1141	4.1827	0.0000	9,619.5341	9,619.5341	0.9372	0.0000	9,642.9647
2019	2.6515	17.1960	21.0363	0.0753	6.7717	0.3807	7.1524	2.0398	0.3563	2.3961	0.0000	6,985.6746	6,985.6746	0.4553	0.0000	6,997.0562
2020	2.2361	13.4558	18.0527	0.0710	5.2502	0.2283	5.4784	1.4075	0.2148	1.6224	0.0000	6,589.9493	6,589.9493	0.3538	0.0000	6,598.7942
2021	2.0511	12.0714	16.7895	0.0689	5.2301	0.1739	5.4040	1.4021	0.1632	1.5654	0.0000	6,405.8587	6,405.8587	0.3356	0.0000	6,414.2494
2022	1.9197	11.2124	15.7897	0.0668	5.2101	0.1509	5.3609	1.3968	0.1416	1.5384	0.0000	6,216.3194	6,216.3194	0.3205	0.0000	6,224.3306
2023	1.7706	8.9129	14.8278	0.0645	5.2100	0.1280	5.3380	1.3968	0.1199	1.5167	0.0000	6,007.1574	6,007.1574	0.3004	0.0000	6,014.6666
2024	1.6973	8.7024	14.1435	0.0632	5.2501	0.1169	5.3671	1.4075	0.1095	1.5170	0.0000	5,893.4277	5,893.4277	0.2933	0.0000	5,900.7611
2025	1.6152	8.3969	13.3941	0.0613	5.2301	0.1048	5.3348	1.4021	0.0981	1.5002	0.0000	5,718.4513	5,718.4513	0.2843	0.0000	5,725.5584
2026	1.5614	8.2613	12.8129	0.0598	5.2301	0.1038	5.3338	1.4021	0.0971	1.4993	0.0000	5,586.1239	5,586.1239	0.2775	0.0000	5,593.0624
2027	1.5086	8.1354	12.3047	0.0585	5.2301	0.1021	5.3322	1.4021	0.0956	1.4977	0.0000	5,470.3006	5,470.3006	0.2715	0.0000	5,477.0869
2028	1.4481	7.9965	11.8151	0.0572	5.2100	0.0996	5.3096	1.3968	0.0933	1.4900	0.0000	5,349.0827	5,349.0827	0.2650	0.0000	5,355.7085
2029	1.3933	7.9265	11.4392	0.0564	5.2301	0.0980	5.3281	1.4021	0.0919	1.4940	0.0000	5,281.4656	5,281.4656	0.2612	0.0000	5,287.9944
2030	1.3230	7.2406	11.0590	0.0561	5.2301	0.0468	5.2769	1.4021	0.0448	1.4470	0.0000	5,244.4955	5,244.4955	0.1993	0.0000	5,249.4768
2031	0.6771	3.8574	5.7762	0.0298	2.8254	0.0244	2.8499	0.7575	0.0234	0.7809	0.0000	2,793.5868	2,793.5868	0.1054	0.0000	2,796.2225

Maximum	25.0172	34.7479	35.4674	0.1041	9.5461	1.1990	10.7451	3.0686	1.1141	4.1827	0.0000	9,619.534 1	9,619.5341	0.9372	0.0000	9,642.964 7
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	25.0172	34.7478	35.4674	0.1041	7.1808	1.1990	8.3798	2.1525	1.1141	3.2666	0.0000	9,619.531 8	9,619.5318	0.9372	0.0000	9,642.962 3
2019	2.6515	17.1960	21.0362	0.0753	5.4945	0.3807	5.8752	1.5780	0.3563	1.9343	0.0000	6,985.674 0	6,985.6740	0.4553	0.0000	6,997.055 5
2020	2.2361	13.4558	18.0527	0.0710	4.8487	0.2283	5.0770	1.3090	0.2148	1.5238	0.0000	6,589.949 0	6,589.9490	0.3538	0.0000	6,598.793 9
2021	2.0511	12.0714	16.7895	0.0689	4.8302	0.1739	5.0041	1.3040	0.1632	1.4672	0.0000	6,405.858 3	6,405.8583	0.3356	0.0000	6,414.249 0
2022	1.9197	11.2124	15.7897	0.0668	4.8117	0.1509	4.9626	1.2990	0.1416	1.4406	0.0000	6,216.319 1	6,216.3191	0.3205	0.0000	6,224.330 3
2023	1.7706	8.9129	14.8278	0.0645	4.8117	0.1280	4.9396	1.2990	0.1199	1.4189	0.0000	6,007.157 0	6,007.1570	0.3004	0.0000	6,014.666 2
2024	1.6973	8.7024	14.1435	0.0632	4.8487	0.1169	4.9656	1.3090	0.1095	1.4185	0.0000	5,893.427 4	5,893.4274	0.2933	0.0000	5,900.760 7
2025	1.6152	8.3969	13.3941	0.0613	4.8302	0.1048	4.9349	1.3040	0.0981	1.4021	0.0000	5,718.450 9	5,718.4509	0.2843	0.0000	5,725.558 0
2026	1.5614	8.2613	12.8129	0.0598	4.8302	0.1038	4.9339	1.3040	0.0971	1.4011	0.0000	5,586.123 6	5,586.1236	0.2775	0.0000	5,593.062 0
2027	1.5086	8.1354	12.3047	0.0585	4.8302	0.1021	4.9323	1.3040	0.0956	1.3996	0.0000	5,470.300 2	5,470.3002	0.2715	0.0000	5,477.086 6
2028	1.4481	7.9965	11.8151	0.0572	4.8116	0.0996	4.9112	1.2990	0.0933	1.3922	0.0000	5,349.082 4	5,349.0824	0.2650	0.0000	5,355.708 2
2029	1.3933	7.9265	11.4392	0.0564	4.8302	0.0980	4.9282	1.3040	0.0919	1.3958	0.0000	5,281.465 3	5,281.4653	0.2612	0.0000	5,287.994 0
2030	1.3230	7.2406	11.0590	0.0561	4.8302	0.0468	4.8770	1.3040	0.0448	1.3488	0.0000	5,244.495 1	5,244.4951	0.1993	0.0000	5,249.476 4

2031	0.6771	3.8574	5.7762	0.0298	2.6094	0.0244	2.6338	0.7044	0.0234	0.7279	0.0000	2,793.5866	2,793.5866	0.1054	0.0000	2,796.2222
Maximum	25.0172	34.7478	35.4674	0.1041	7.1808	1.1990	8.3798	2.1525	1.1141	3.2666	0.0000	9,619.5318	9,619.5318	0.9372	0.0000	9,642.9623
	ROG	NOx	CO	SO2	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	10.77	0.00	10.37	11.79	0.00	10.44	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2018	3-31-2018	15.9651	15.9651
2	4-1-2018	6-30-2018	16.0190	16.0190
3	7-1-2018	9-30-2018	14.6387	14.6387
4	10-1-2018	12-31-2018	12.8010	12.8010
5	1-1-2019	3-31-2019	6.1249	6.1249
6	4-1-2019	6-30-2019	4.9733	4.9733
7	7-1-2019	9-30-2019	4.2098	4.2098
8	10-1-2019	12-31-2019	4.3012	4.3012
9	1-1-2020	3-31-2020	3.8906	3.8906
10	4-1-2020	6-30-2020	3.8101	3.8101
11	7-1-2020	9-30-2020	3.8520	3.8520
12	10-1-2020	12-31-2020	3.9334	3.9334
13	1-1-2021	3-31-2021	3.4796	3.4796
14	4-1-2021	6-30-2021	3.4472	3.4472
15	7-1-2021	9-30-2021	3.4851	3.4851
16	10-1-2021	12-31-2021	3.5570	3.5570
17	1-1-2022	3-31-2022	3.2496	3.2496
18	4-1-2022	6-30-2022	3.2198	3.2198
19	7-1-2022	9-30-2022	3.2552	3.2552

20	10-1-2022	12-31-2022	3.3219	3.3219
21	1-1-2023	3-31-2023	2.6553	2.6553
22	4-1-2023	6-30-2023	2.6255	2.6255
23	7-1-2023	9-30-2023	2.6543	2.6543
24	10-1-2023	12-31-2023	2.7143	2.7143
25	1-1-2024	3-31-2024	2.5938	2.5938
26	4-1-2024	6-30-2024	2.5371	2.5371
27	7-1-2024	9-30-2024	2.5650	2.5650
28	10-1-2024	12-31-2024	2.6223	2.6223
29	1-1-2025	3-31-2025	2.4794	2.4794
30	4-1-2025	6-30-2025	2.4527	2.4527
31	7-1-2025	9-30-2025	2.4796	2.4796
32	10-1-2025	12-31-2025	2.5345	2.5345
33	1-1-2026	3-31-2026	2.4328	2.4328
34	4-1-2026	6-30-2026	2.4074	2.4074
35	7-1-2026	9-30-2026	2.4339	2.4339
36	10-1-2026	12-31-2026	2.4868	2.4868
37	1-1-2027	3-31-2027	2.3885	2.3885
38	4-1-2027	6-30-2027	2.3648	2.3648
39	7-1-2027	9-30-2027	2.3908	2.3908
40	10-1-2027	12-31-2027	2.4416	2.4416
41	1-1-2028	3-31-2028	2.3739	2.3739
42	4-1-2028	6-30-2028	2.3258	2.3258
43	7-1-2028	9-30-2028	2.3513	2.3513
44	10-1-2028	12-31-2028	2.4000	2.4000
45	1-1-2029	3-31-2029	2.3074	2.3074
46	4-1-2029	6-30-2029	2.2873	2.2873

47	7-1-2029	9-30-2029	2.3124	2.3124
48	10-1-2029	12-31-2029	2.3586	2.3586
49	1-1-2030	3-31-2030	2.1200	2.1200
50	4-1-2030	6-30-2030	2.1005	2.1005
51	7-1-2030	9-30-2030	2.1236	2.1236
52	10-1-2030	12-31-2030	2.1671	2.1671
53	1-1-2031	3-31-2031	2.0768	2.0768
54	4-1-2031	6-30-2031	2.0600	2.0600
55	7-1-2031	9-30-2031	0.3622	0.3622
		Highest	16.0190	16.0190

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	1/1/2018	11/14/2018	5	228	
2	Site Preparation	Site Preparation	1/1/2018	7/10/2018	5	137	
3	Grading	Grading	1/1/2018	5/8/2019	5	353	
4	Building Construction	Building Construction	1/1/2018	7/16/2031	5	3533	
5	Paving	Paving	1/1/2018	12/17/2018	5	251	
6	Architectural Coating	Architectural Coating	1/1/2018	12/17/2018	5	251	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 882.5

Acres of Paving: 4.2

Residential Indoor: 7,257,600; Residential Outdoor: 2,419,200; Non-Residential Indoor: 2,938,755; Non-Residential Outdoor: 979,585;

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

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
Architectural Coating	1	649.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	3,247.00	704.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	2.00	4,862.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	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
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5261	0.0000	0.5261	0.0797	0.0000	0.0797	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4240	4.3688	2.5427	4.4300e-003		0.2210	0.2210		0.2058	0.2058	0.0000	400.4145	400.4145	0.1103	0.0000	403.1724
Total	0.4240	4.3688	2.5427	4.4300e-003	0.5261	0.2210	0.7471	0.0797	0.2058	0.2854	0.0000	400.4145	400.4145	0.1103	0.0000	403.1724

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0212	0.7846	0.1777	1.9000e-003	0.0417	3.0500e-003	0.0447	0.0114	2.9200e-003	0.0143	0.0000	190.7587	190.7587	0.0203	0.0000	191.2660
Vendor	9.4000e-004	0.0278	7.6600e-003	6.0000e-005	1.4400e-003	2.0000e-004	1.6400e-003	4.1000e-004	1.9000e-004	6.1000e-004	0.0000	5.6167	5.6167	5.0000e-004	0.0000	5.6293
Worker	7.7600e-003	5.8700e-003	0.0638	1.9000e-004	0.0188	1.3000e-004	0.0189	4.9900e-003	1.2000e-004	5.1000e-003	0.0000	17.2422	17.2422	4.6000e-004	0.0000	17.2537
Total	0.0299	0.8182	0.2492	2.1500e-003	0.0619	3.3800e-003	0.0653	0.0168	3.2300e-003	0.0201	0.0000	213.6177	213.6177	0.0213	0.0000	214.1490

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2249	0.0000	0.2249	0.0341	0.0000	0.0341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4240	4.3688	2.5427	4.4300e-003		0.2210	0.2210		0.2058	0.2058	0.0000	400.4140	400.4140	0.1103	0.0000	403.1719
Total	0.4240	4.3688	2.5427	4.4300e-003	0.2249	0.2210	0.4459	0.0341	0.2058	0.2398	0.0000	400.4140	400.4140	0.1103	0.0000	403.1719

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0212	0.7846	0.1777	1.9000e-003	0.0388	3.0500e-003	0.0419	0.0107	2.9200e-003	0.0137	0.0000	190.7587	190.7587	0.0203	0.0000	191.2660
Vendor	9.4000e-004	0.0278	7.6600e-003	6.0000e-005	1.3400e-003	2.0000e-004	1.5500e-003	3.9000e-004	1.9000e-004	5.9000e-004	0.0000	5.6167	5.6167	5.0000e-004	0.0000	5.6293
Worker	7.7600e-003	5.8700e-003	0.0638	1.9000e-004	0.0173	1.3000e-004	0.0174	4.6300e-003	1.2000e-004	4.7400e-003	0.0000	17.2422	17.2422	4.6000e-004	0.0000	17.2537
Total	0.0299	0.8182	0.2492	2.1500e-003	0.0575	3.3800e-003	0.0609	0.0158	3.2300e-003	0.0190	0.0000	213.6177	213.6177	0.0213	0.0000	214.1490

3.3 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2375	0.0000	1.2375	0.6803	0.0000	0.6803	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3126	3.3016	1.5396	2.6000e-003		0.1765	0.1765		0.1624	0.1624	0.0000	238.1054	238.1054	0.0741	0.0000	239.9585
Total	0.3126	3.3016	1.5396	2.6000e-003	1.2375	0.1765	1.4141	0.6803	0.1624	0.8427	0.0000	238.1054	238.1054	0.0741	0.0000	239.9585

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7000e-004	0.0167	4.6000e-003	3.0000e-005	8.6000e-004	1.2000e-004	9.8000e-004	2.5000e-004	1.2000e-004	3.7000e-004	0.0000	3.3750	3.3750	3.0000e-004	0.0000	3.3825
Worker	5.6000e-003	4.2300e-003	0.0460	1.4000e-004	0.0135	9.0000e-005	0.0136	3.5900e-003	8.0000e-005	3.6800e-003	0.0000	12.4326	12.4326	3.3000e-004	0.0000	12.4408
Total	6.1700e-003	0.0209	0.0506	1.7000e-004	0.0144	2.1000e-004	0.0146	3.8400e-003	2.0000e-004	4.0500e-003	0.0000	15.8075	15.8075	6.3000e-004	0.0000	15.8233

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5291	0.0000	0.5291	0.2908	0.0000	0.2908	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3125	3.3016	1.5396	2.6000e-003		0.1765	0.1765		0.1624	0.1624	0.0000	238.1051	238.1051	0.0741	0.0000	239.9582
Total	0.3125	3.3016	1.5396	2.6000e-003	0.5291	0.1765	0.7056	0.2908	0.1624	0.4532	0.0000	238.1051	238.1051	0.0741	0.0000	239.9582

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7000e-004	0.0167	4.6000e-003	3.0000e-005	8.1000e-004	1.2000e-004	9.3000e-004	2.4000e-004	1.2000e-004	3.5000e-004	0.0000	3.3750	3.3750	3.0000e-004	0.0000	3.3825
Worker	5.6000e-003	4.2300e-003	0.0460	1.4000e-004	0.0125	9.0000e-005	0.0126	3.3400e-003	8.0000e-005	3.4200e-003	0.0000	12.4326	12.4326	3.3000e-004	0.0000	12.4408
Total	6.1700e-003	0.0209	0.0506	1.7000e-004	0.0133	2.1000e-004	0.0135	3.5800e-003	2.0000e-004	3.7700e-003	0.0000	15.8075	15.8075	6.3000e-004	0.0000	15.8233

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5308	0.0000	1.5308	0.6348	0.0000	0.6348	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6643	7.7676	4.5792	8.1000e-003		0.3437	0.3437		0.3162	0.3162	0.0000	739.2630	739.2630	0.2301	0.0000	745.0165
Total	0.6643	7.7676	4.5792	8.1000e-003	1.5308	0.3437	1.8745	0.6348	0.3162	0.9510	0.0000	739.2630	739.2630	0.2301	0.0000	745.0165

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0800e-003	0.0318	8.7700e-003	7.0000e-005	1.6400e-003	2.3000e-004	1.8800e-003	4.7000e-004	2.2000e-004	7.0000e-004	0.0000	6.4297	6.4297	5.8000e-004	0.0000	6.4441
Worker	0.0118	8.9600e-003	0.0974	2.9000e-004	0.0287	1.9000e-004	0.0289	7.6100e-003	1.8000e-004	7.7900e-003	0.0000	26.3171	26.3171	7.0000e-004	0.0000	26.3346
Total	0.0129	0.0407	0.1062	3.6000e-004	0.0303	4.2000e-004	0.0307	8.0800e-003	4.0000e-004	8.4900e-003	0.0000	32.7467	32.7467	1.2800e-003	0.0000	32.7786

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6544	0.0000	0.6544	0.2714	0.0000	0.2714	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6643	7.7676	4.5792	8.1000e-003		0.3437	0.3437		0.3162	0.3162	0.0000	739.2621	739.2621	0.2301	0.0000	745.0156
Total	0.6643	7.7676	4.5792	8.1000e-003	0.6544	0.3437	0.9981	0.2714	0.3162	0.5876	0.0000	739.2621	739.2621	0.2301	0.0000	745.0156

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0800e-003	0.0318	8.7700e-003	7.0000e-005	1.5400e-003	2.3000e-004	1.7700e-003	4.5000e-004	2.2000e-004	6.7000e-004	0.0000	6.4297	6.4297	5.8000e-004	0.0000	6.4441
Worker	0.0118	8.9600e-003	0.0974	2.9000e-004	0.0264	1.9000e-004	0.0266	7.0600e-003	1.8000e-004	7.2400e-003	0.0000	26.3171	26.3171	7.0000e-004	0.0000	26.3346
Total	0.0129	0.0407	0.1062	3.6000e-004	0.0280	4.2000e-004	0.0284	7.5100e-003	4.0000e-004	7.9100e-003	0.0000	32.7467	32.7467	1.2800e-003	0.0000	32.7786

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5308	0.0000	1.5308	0.6348	0.0000	0.6348	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2180	2.5079	1.5353	2.8500e-003		0.1096	0.1096		0.1008	0.1008	0.0000	256.2261	256.2261	0.0811	0.0000	258.2528
Total	0.2180	2.5079	1.5353	2.8500e-003	1.5308	0.1096	1.6404	0.6348	0.1008	0.7356	0.0000	256.2261	256.2261	0.0811	0.0000	258.2528

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5000e-004	0.0107	2.9000e-003	2.0000e-005	5.8000e-004	7.0000e-005	6.5000e-004	1.7000e-004	7.0000e-005	2.4000e-004	0.0000	2.2550	2.2550	2.0000e-004	0.0000	2.2600
Worker	3.8400e-003	2.8000e-003	0.0311	1.0000e-004	0.0101	7.0000e-005	0.0102	2.6800e-003	6.0000e-005	2.7500e-003	0.0000	9.0309	9.0309	2.2000e-004	0.0000	9.0365
Total	4.1900e-003	0.0135	0.0340	1.2000e-004	0.0107	1.4000e-004	0.0108	2.8500e-003	1.3000e-004	2.9900e-003	0.0000	11.2859	11.2859	4.2000e-004	0.0000	11.2964

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6544	0.0000	0.6544	0.2714	0.0000	0.2714	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2180	2.5079	1.5353	2.8500e-003		0.1096	0.1096		0.1008	0.1008	0.0000	256.2258	256.2258	0.0811	0.0000	258.2524
Total	0.2180	2.5079	1.5353	2.8500e-003	0.6544	0.1096	0.7640	0.2714	0.1008	0.3722	0.0000	256.2258	256.2258	0.0811	0.0000	258.2524

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5000e-004	0.0107	2.9000e-003	2.0000e-005	5.4000e-004	7.0000e-005	6.1000e-004	1.6000e-004	7.0000e-005	2.3000e-004	0.0000	2.2550	2.2550	2.0000e-004	0.0000	2.2600
Worker	3.8400e-003	2.8000e-003	0.0311	1.0000e-004	9.3100e-003	7.0000e-005	9.3800e-003	2.4900e-003	6.0000e-005	2.5500e-003	0.0000	9.0309	9.0309	2.2000e-004	0.0000	9.0365
Total	4.1900e-003	0.0135	0.0340	1.2000e-004	9.8500e-003	1.4000e-004	9.9900e-003	2.6500e-003	1.3000e-004	2.7800e-003	0.0000	11.2859	11.2859	4.2000e-004	0.0000	11.2964

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3497	3.0524	2.2943	3.5100e-003		0.1957	0.1957		0.1840	0.1840	0.0000	310.2862	310.2862	0.0760	0.0000	312.1867
Total	0.3497	3.0524	2.2943	3.5100e-003		0.1957	0.1957		0.1840	0.1840	0.0000	310.2862	310.2862	0.0760	0.0000	312.1867

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3793	11.1863	3.0870	0.0230	0.5784	0.0817	0.6602	0.1668	0.0782	0.2450	0.0000	2,263.2360	2,263.2360	0.2033	0.0000	2,268.3174
Worker	1.9228	1.4546	15.8182	0.0473	4.6517	0.0313	4.6830	1.2353	0.0288	1.2642	0.0000	4,272.5772	4,272.5772	0.1135	0.0000	4,275.4151
Total	2.3021	12.6410	18.9052	0.0703	5.2302	0.1130	5.3432	1.4022	0.1070	1.5092	0.0000	6,535.8132	6,535.8132	0.3168	0.0000	6,543.7325

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3497	3.0524	2.2942	3.5100e-003		0.1957	0.1957		0.1840	0.1840	0.0000	310.2859	310.2859	0.0760	0.0000	312.1864
Total	0.3497	3.0524	2.2942	3.5100e-003		0.1957	0.1957		0.1840	0.1840	0.0000	310.2859	310.2859	0.0760	0.0000	312.1864

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3793	11.1863	3.0870	0.0230	0.5415	0.0817	0.6232	0.1578	0.0782	0.2359	0.0000	2,263.2360	2,263.2360	0.2033	0.0000	2,268.3174
Worker	1.9228	1.4546	15.8182	0.0473	4.2888	0.0313	4.3201	1.1462	0.0288	1.1751	0.0000	4,272.5772	4,272.5772	0.1135	0.0000	4,275.4151
Total	2.3021	12.6410	18.9052	0.0703	4.8303	0.1130	4.9433	1.3040	0.1070	1.4110	0.0000	6,535.8132	6,535.8132	0.3168	0.0000	6,543.7325

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3081	2.7508	2.2399	3.5100e-003		0.1683	0.1683		0.1583	0.1583	0.0000	306.8110	306.8110	0.0747	0.0000	308.6795
Total	0.3081	2.7508	2.2399	3.5100e-003		0.1683	0.1683		0.1583	0.1583	0.0000	306.8110	306.8110	0.0747	0.0000	308.6795

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3509	10.6325	2.8929	0.0229	0.5784	0.0710	0.6494	0.1668	0.0679	0.2347	0.0000	2,251.9050	2,251.9050	0.1966	0.0000	2,256.8194	
Worker	1.7702	1.2914	14.3341	0.0460	4.6517	0.0316	4.6834	1.2353	0.0291	1.2645	0.0000	4,159.4467	4,159.4467	0.1025	0.0000	4,162.0081	
Total	2.1212	11.9239	17.2270	0.0689	5.2301	0.1026	5.3328	1.4022	0.0971	1.4992	0.0000	6,411.3517	6,411.3517	0.2990	0.0000	6,418.8275	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3081	2.7508	2.2399	3.5100e-003		0.1683	0.1683		0.1583	0.1583	0.0000	306.8106	306.8106	0.0747	0.0000	308.6792
Total	0.3081	2.7508	2.2399	3.5100e-003		0.1683	0.1683		0.1583	0.1583	0.0000	306.8106	306.8106	0.0747	0.0000	308.6792

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3509	10.6325	2.8929	0.0229	0.5415	0.0710	0.6125	0.1578	0.0679	0.2257	0.0000	2,251.9050	2,251.9050	0.1966	0.0000	2,256.8194
Worker	1.7702	1.2914	14.3341	0.0460	4.2888	0.0316	4.3204	1.1462	0.0291	1.1754	0.0000	4,159.4467	4,159.4467	0.1025	0.0000	4,162.0081
Total	2.1212	11.9239	17.2270	0.0689	4.8302	0.1026	4.9329	1.3040	0.0971	1.4010	0.0000	6,411.3517	6,411.3517	0.2990	0.0000	6,418.8275

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596
Total	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3004	9.7811	2.6601	0.0227	0.5806	0.0505	0.6311	0.1675	0.0483	0.2158	0.0000	2,244.9666	2,244.9666	0.1876	0.0000	2,249.6557
Worker	1.6580	1.1614	13.1855	0.0447	4.6696	0.0314	4.7010	1.2401	0.0290	1.2690	0.0000	4,041.5737	4,041.5737	0.0922	0.0000	4,043.8790
Total	1.9584	10.9425	15.8456	0.0674	5.2502	0.0819	5.3321	1.4075	0.0773	1.4848	0.0000	6,286.5402	6,286.5402	0.2798	0.0000	6,293.5346

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592
Total	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3004	9.7811	2.6601	0.0227	0.5435	0.0505	0.5940	0.1584	0.0483	0.2067	0.0000	2,244.9666	2,244.9666	0.1876	0.0000	2,249.6557
Worker	1.6580	1.1614	13.1855	0.0447	4.3052	0.0314	4.3366	1.1506	0.0290	1.1796	0.0000	4,041.5737	4,041.5737	0.0922	0.0000	4,043.8790
Total	1.9584	10.9425	15.8456	0.0674	4.8487	0.0819	4.9306	1.3090	0.0773	1.3862	0.0000	6,286.5402	6,286.5402	0.2798	0.0000	6,293.5346

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099
Total	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2505	8.7528	2.4535	0.0224	0.5784	0.0182	0.5966	0.1668	0.0174	0.1842	0.0000	2,217.1329	2,217.1329	0.1795	0.0000	2,221.6195
Worker	1.5526	1.0437	12.1729	0.0430	4.6517	0.0307	4.6824	1.2353	0.0282	1.2636	0.0000	3,886.4391	3,886.4391	0.0832	0.0000	3,888.5200
Total	1.8031	9.7965	14.6265	0.0654	5.2301	0.0488	5.2789	1.4021	0.0456	1.4478	0.0000	6,103.5720	6,103.5720	0.2627	0.0000	6,110.1395

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095
Total	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2505	8.7528	2.4535	0.0224	0.5414	0.0182	0.5596	0.1577	0.0174	0.1751	0.0000	2,217.1329	2,217.1329	0.1795	0.0000	2,221.6195
Worker	1.5526	1.0437	12.1729	0.0430	4.2888	0.0307	4.3194	1.1462	0.0282	1.1745	0.0000	3,886.4391	3,886.4391	0.0832	0.0000	3,888.5200
Total	1.8031	9.7965	14.6265	0.0654	4.8302	0.0488	4.8790	1.3040	0.0456	1.3496	0.0000	6,103.5720	6,103.5720	0.2627	0.0000	6,110.1395

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2346	8.2404	2.3581	0.0221	0.5761	0.0158	0.5919	0.1662	0.0151	0.1812	0.0000	2,186.8604	2,186.8604	0.1730	0.0000	2,191.1860
Worker	1.4633	0.9419	11.3044	0.0412	4.6339	0.0300	4.6639	1.2306	0.0276	1.2582	0.0000	3,728.2162	3,728.2162	0.0753	0.0000	3,730.0976
Total	1.6979	9.1824	13.6624	0.0633	5.2101	0.0457	5.2558	1.3968	0.0427	1.4394	0.0000	5,915.0766	5,915.0766	0.2483	0.0000	5,921.2836

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2346	8.2404	2.3581	0.0221	0.5393	0.0158	0.5551	0.1571	0.0151	0.1722	0.0000	2,186.8604	2,186.8604	0.1730	0.0000	2,191.1860
Worker	1.4633	0.9419	11.3044	0.0412	4.2723	0.0300	4.3023	1.1419	0.0276	1.1694	0.0000	3,728.2162	3,728.2162	0.0753	0.0000	3,730.0976
Total	1.6979	9.1824	13.6624	0.0633	4.8117	0.0457	4.8574	1.2990	0.0427	1.3416	0.0000	5,915.0766	5,915.0766	0.2483	0.0000	5,921.2836

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1787	6.1877	2.1867	0.0214	0.5761	7.5700e-003	0.5837	0.1662	7.2400e-003	0.1734	0.0000	2,120.7926	2,120.7926	0.1605	0.0000	2,124.8045
Worker	1.3875	0.8552	10.5294	0.0396	4.6339	0.0294	4.6634	1.2306	0.0271	1.2577	0.0000	3,585.0187	3,585.0187	0.0682	0.0000	3,586.7238
Total	1.5661	7.0429	12.7161	0.0610	5.2100	0.0370	5.2470	1.3968	0.0343	1.4311	0.0000	5,705.8112	5,705.8112	0.2287	0.0000	5,711.5283

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1787	6.1877	2.1867	0.0214	0.5393	7.5700e-003	0.5469	0.1571	7.2400e-003	0.1644	0.0000	2,120.7926	2,120.7926	0.1605	0.0000	2,124.8045
Worker	1.3875	0.8552	10.5294	0.0396	4.2723	0.0294	4.3018	1.1419	0.0271	1.1689	0.0000	3,585.0187	3,585.0187	0.0682	0.0000	3,586.7238
Total	1.5661	7.0429	12.7161	0.0610	4.8117	0.0370	4.8487	1.2990	0.0343	1.3333	0.0000	5,705.8112	5,705.8112	0.2287	0.0000	5,711.5283

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1739	6.1566	2.1567	0.0213	0.5806	7.4500e-003	0.5880	0.1674	7.1200e-003	0.1746	0.0000	2,120.2388	2,120.2388	0.1592	0.0000	2,124.2176
Worker	1.3306	0.7847	9.8690	0.0383	4.6696	0.0292	4.6987	1.2401	0.0268	1.2669	0.0000	3,469.4666	3,469.4666	0.0624	0.0000	3,471.0256
Total	1.5045	6.9413	12.0257	0.0597	5.2501	0.0366	5.2867	1.4075	0.0340	1.4414	0.0000	5,589.7054	5,589.7054	0.2215	0.0000	5,595.2432

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1739	6.1566	2.1567	0.0213	0.5435	7.4500e-003	0.5509	0.1583	7.1200e-003	0.1655	0.0000	2,120.2388	2,120.2388	0.1592	0.0000	2,124.2176
Worker	1.3306	0.7847	9.8690	0.0383	4.3052	0.0292	4.3343	1.1506	0.0268	1.1775	0.0000	3,469.4666	3,469.4666	0.0624	0.0000	3,471.0256
Total	1.5045	6.9413	12.0257	0.0597	4.8487	0.0366	4.8853	1.3090	0.0340	1.3429	0.0000	5,589.7054	5,589.7054	0.2215	0.0000	5,595.2432

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1688	6.0526	2.1223	0.0211	0.5783	7.2600e-003	0.5856	0.1668	6.9400e-003	0.1737	0.0000	2,099.2051	2,099.2051	0.1564	0.0000	2,103.1138
Worker	1.2680	0.7170	9.1728	0.0366	4.6517	0.0287	4.6804	1.2353	0.0264	1.2617	0.0000	3,316.5913	3,316.5913	0.0568	0.0000	3,318.0111
Total	1.4368	6.7696	11.2951	0.0577	5.2301	0.0359	5.2660	1.4021	0.0333	1.4355	0.0000	5,415.7964	5,415.7964	0.2131	0.0000	5,421.1249

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1688	6.0526	2.1223	0.0211	0.5414	7.2600e-003	0.5486	0.1577	6.9400e-003	0.1647	0.0000	2,099.2051	2,099.2051	0.1564	0.0000	2,103.1138	
Worker	1.2680	0.7170	9.1728	0.0366	4.2888	0.0287	4.3174	1.1462	0.0264	1.1726	0.0000	3,316.5913	3,316.5913	0.0568	0.0000	3,318.0111	
Total	1.4368	6.7696	11.2951	0.0577	4.8302	0.0359	4.8661	1.3040	0.0333	1.3373	0.0000	5,415.7964	5,415.7964	0.2131	0.0000	5,421.1249	

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1648	5.9720	2.1046	0.0210	0.5783	7.0800e-003	0.5854	0.1668	6.7700e-003	0.1736	0.0000	2,086.7815	2,086.7815	0.1542	0.0000	2,090.6366
Worker	1.2182	0.6620	8.6093	0.0353	4.6517	0.0278	4.6796	1.2353	0.0256	1.2609	0.0000	3,196.6876	3,196.6876	0.0522	0.0000	3,197.9922
Total	1.3830	6.6340	10.7138	0.0563	5.2301	0.0349	5.2650	1.4021	0.0324	1.4345	0.0000	5,283.4690	5,283.4690	0.2064	0.0000	5,288.6289

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1648	5.9720	2.1046	0.0210	0.5414	7.0800e-003	0.5485	0.1577	6.7700e-003	0.1645	0.0000	2,086.7815	2,086.7815	0.1542	0.0000	2,090.6366	
Worker	1.2182	0.6620	8.6093	0.0353	4.2888	0.0278	4.3166	1.1462	0.0256	1.1718	0.0000	3,196.6876	3,196.6876	0.0522	0.0000	3,197.9922	
Total	1.3830	6.6340	10.7138	0.0563	4.8302	0.0349	4.8651	1.3040	0.0324	1.3363	0.0000	5,283.4690	5,283.4690	0.2064	0.0000	5,288.6289	

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1614	5.8949	2.0905	0.0208	0.5783	6.9300e-003	0.5853	0.1668	6.6200e-003	0.1734	0.0000	2,075.3241	2,075.3241	0.1522	0.0000	2,079.1290
Worker	1.1688	0.6133	8.1151	0.0342	4.6517	0.0263	4.6781	1.2353	0.0242	1.2596	0.0000	3,092.3216	3,092.3216	0.0481	0.0000	3,093.5244
Total	1.3302	6.5082	10.2056	0.0550	5.2301	0.0333	5.2633	1.4021	0.0309	1.4330	0.0000	5,167.6457	5,167.6457	0.2003	0.0000	5,172.6534

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1614	5.8949	2.0905	0.0208	0.5414	6.9300e-003	0.5483	0.1577	6.6200e-003	0.1643	0.0000	2,075.3241	2,075.3241	0.1522	0.0000	2,079.1290	
Worker	1.1688	0.6133	8.1151	0.0342	4.2888	0.0263	4.3151	1.1462	0.0242	1.1705	0.0000	3,092.3216	3,092.3216	0.0481	0.0000	3,093.5244	
Total	1.3302	6.5082	10.2056	0.0550	4.8302	0.0333	4.8634	1.3040	0.0309	1.3348	0.0000	5,167.6457	5,167.6457	0.2003	0.0000	5,172.6534	

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1579	5.8077	2.0745	0.0206	0.5761	6.7600e-003	0.5829	0.1662	6.4600e-003	0.1726	0.0000	2,057.4707	2,057.4707	0.1498	0.0000	2,061.2152
Worker	1.1125	0.5678	7.6496	0.0330	4.6339	0.0242	4.6581	1.2306	0.0223	1.2529	0.0000	2,990.1168	2,990.1168	0.0444	0.0000	2,991.2263
Total	1.2704	6.3754	9.7241	0.0537	5.2100	0.0310	5.2410	1.3968	0.0287	1.4255	0.0000	5,047.5874	5,047.5874	0.1942	0.0000	5,052.4414

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1579	5.8077	2.0745	0.0206	0.5393	6.7600e-003	0.5461	0.1571	6.4600e-003	0.1636	0.0000	2,057.4707	2,057.4707	0.1498	0.0000	2,061.2152
Worker	1.1125	0.5678	7.6496	0.0330	4.2723	0.0242	4.2966	1.1419	0.0223	1.1641	0.0000	2,990.1168	2,990.1168	0.0444	0.0000	2,991.2263
Total	1.2704	6.3754	9.7241	0.0537	4.8117	0.0310	4.8426	1.2990	0.0287	1.3277	0.0000	5,047.5874	5,047.5874	0.1942	0.0000	5,052.4414

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1560	5.7694	2.0745	0.0206	0.5783	6.6600e-003	0.5850	0.1668	6.3600e-003	0.1732	0.0000	2,056.3977	2,056.3977	0.1488	0.0000	2,060.1177
Worker	1.0589	0.5298	7.2656	0.0323	4.6517	0.0225	4.6743	1.2353	0.0207	1.2561	0.0000	2,922.4131	2,922.4131	0.0412	0.0000	2,923.4432
Total	1.2149	6.2992	9.3401	0.0529	5.2301	0.0292	5.2593	1.4021	0.0271	1.4292	0.0000	4,978.8108	4,978.8108	0.1900	0.0000	4,983.5608

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1560	5.7694	2.0745	0.0206	0.5414	6.6600e-003	0.5481	0.1577	6.3600e-003	0.1641	0.0000	2,056.3977	2,056.3977	0.1488	0.0000	2,060.1177
Worker	1.0589	0.5298	7.2656	0.0323	4.2888	0.0225	4.3113	1.1462	0.0207	1.1670	0.0000	2,922.4131	2,922.4131	0.0412	0.0000	2,923.4432
Total	1.2149	6.2992	9.3401	0.0529	4.8302	0.0292	4.8594	1.3040	0.0271	1.3311	0.0000	4,978.8108	4,978.8108	0.1900	0.0000	4,983.5608

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1536	5.7125	2.0672	0.0205	0.5783	6.5200e-003	0.5849	0.1668	6.2300e-003	0.1730	0.0000	2,048.2923	2,048.2923	0.1473	0.0000	2,051.9758
Worker	0.9986	0.4927	6.8833	0.0315	4.6517	0.0210	4.6727	1.2353	0.0193	1.2546	0.0000	2,853.1696	2,853.1696	0.0382	0.0000	2,854.1234
Total	1.1521	6.2051	8.9505	0.0520	5.2301	0.0275	5.2576	1.4021	0.0255	1.4276	0.0000	4,901.4619	4,901.4619	0.1855	0.0000	4,906.0991

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1536	5.7125	2.0672	0.0205	0.5414	6.5200e-003	0.5479	0.1577	6.2300e-003	0.1640	0.0000	2,048.2923	2,048.2923	0.1473	0.0000	2,051.9758
Worker	0.9986	0.4927	6.8833	0.0315	4.2888	0.0210	4.3097	1.1462	0.0193	1.1655	0.0000	2,853.1696	2,853.1696	0.0382	0.0000	2,854.1234
Total	1.1521	6.2051	8.9505	0.0520	4.8302	0.0275	4.8576	1.3040	0.0255	1.3295	0.0000	4,901.4619	4,901.4619	0.1855	0.0000	4,906.0991

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0923	0.5594	1.1391	2.1800e-003		0.0104	0.0104		0.0104	0.0104	0.0000	185.3170	185.3170	7.4300e-003	0.0000	185.5029
Total	0.0923	0.5594	1.1391	2.1800e-003		0.0104	0.0104		0.0104	0.0104	0.0000	185.3170	185.3170	7.4300e-003	0.0000	185.5029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0819	3.0513	1.1153	0.0110	0.3124	3.4700e-003	0.3159	0.0901	3.3100e-003	0.0934	0.0000	1,103.1493	1,103.1493	0.0790	0.0000	1,105.1247
Worker	0.5029	0.2467	3.5218	0.0166	2.5130	0.0105	2.5235	0.6674	9.6700e-003	0.6770	0.0000	1,505.1205	1,505.1205	0.0190	0.0000	1,505.5949
Total	0.5848	3.2980	4.6371	0.0277	2.8255	0.0140	2.8394	0.7575	0.0130	0.7705	0.0000	2,608.2698	2,608.2698	0.0980	0.0000	2,610.7196

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0923	0.5594	1.1391	2.1800e-003		0.0104	0.0104		0.0104	0.0104	0.0000	185.3168	185.3168	7.4300e-003	0.0000	185.5027
Total	0.0923	0.5594	1.1391	2.1800e-003		0.0104	0.0104		0.0104	0.0104	0.0000	185.3168	185.3168	7.4300e-003	0.0000	185.5027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0819	3.0513	1.1153	0.0110	0.2925	3.4700e-003	0.2959	0.0852	3.3100e-003	0.0885	0.0000	1,103.1493	1,103.1493	0.0790	0.0000	1,105.1247
Worker	0.5029	0.2467	3.5218	0.0166	2.3169	0.0105	2.3274	0.6192	9.6700e-003	0.6289	0.0000	1,505.1205	1,505.1205	0.0190	0.0000	1,505.5949
Total	0.5848	3.2980	4.6371	0.0277	2.6094	0.0140	2.6234	0.7044	0.0130	0.7174	0.0000	2,608.2698	2,608.2698	0.0980	0.0000	2,610.7196

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2063	2.1989	1.8570	2.8600e-003		0.1200	0.1200		0.1104	0.1104	0.0000	261.1859	261.1859	0.0813	0.0000	263.2186
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.2063	2.1989	1.8570	2.8600e-003		0.1200	0.1200		0.1104	0.1104	0.0000	261.1859	261.1859	0.0813	0.0000	263.2186

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5400e-003	6.4600e-003	0.0703	2.1000e-004	0.0207	1.4000e-004	0.0208	5.4900e-003	1.3000e-004	5.6200e-003	0.0000	18.9816	18.9816	5.0000e-004	0.0000	18.9942
Total	8.5400e-003	6.4600e-003	0.0703	2.1000e-004	0.0207	1.4000e-004	0.0208	5.4900e-003	1.3000e-004	5.6200e-003	0.0000	18.9816	18.9816	5.0000e-004	0.0000	18.9942

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2063	2.1989	1.8570	2.8600e-003		0.1200	0.1200		0.1104	0.1104	0.0000	261.1856	261.1856	0.0813	0.0000	263.2183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.2063	2.1989	1.8570	2.8600e-003		0.1200	0.1200		0.1104	0.1104	0.0000	261.1856	261.1856	0.0813	0.0000	263.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5400e-003	6.4600e-003	0.0703	2.1000e-004	0.0191	1.4000e-004	0.0192	5.0900e-003	1.3000e-004	5.2200e-003	0.0000	18.9816	18.9816	5.0000e-004	0.0000	18.9942
Total	8.5400e-003	6.4600e-003	0.0703	2.1000e-004	0.0191	1.4000e-004	0.0192	5.0900e-003	1.3000e-004	5.2200e-003	0.0000	18.9816	18.9816	5.0000e-004	0.0000	18.9942

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	20.2937					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0375	0.2517	0.2327	3.7000e-004		0.0189	0.0189		0.0189	0.0189	0.0000	32.0434	32.0434	3.0400e-003	0.0000	32.1195
Total	20.3312	0.2517	0.2327	3.7000e-004		0.0189	0.0189		0.0189	0.0189	0.0000	32.0434	32.0434	3.0400e-003	0.0000	32.1195

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3696	0.2796	3.0406	9.0900e-003	0.8942	6.0100e-003	0.9002	0.2375	5.5400e-003	0.2430	0.0000	821.2692	821.2692	0.0218	0.0000	821.8147
Total	0.3696	0.2796	3.0406	9.0900e-003	0.8942	6.0100e-003	0.9002	0.2375	5.5400e-003	0.2430	0.0000	821.2692	821.2692	0.0218	0.0000	821.8147

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	20.2937					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0375	0.2517	0.2327	3.7000e-004		0.0189	0.0189		0.0189	0.0189	0.0000	32.0434	32.0434	3.0400e-003	0.0000	32.1195
Total	20.3312	0.2517	0.2327	3.7000e-004		0.0189	0.0189		0.0189	0.0189	0.0000	32.0434	32.0434	3.0400e-003	0.0000	32.1195

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3696	0.2796	3.0406	9.0900e-003	0.8244	6.0100e-003	0.8304	0.2203	5.5400e-003	0.2259	0.0000	821.2692	821.2692	0.0218	0.0000	821.8147
Total	0.3696	0.2796	3.0406	9.0900e-003	0.8244	6.0100e-003	0.8304	0.2203	5.5400e-003	0.2259	0.0000	821.2692	821.2692	0.0218	0.0000	821.8147

**Construction
Orange County, Mitigation Report**

Construction Mitigation Summary

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

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	5	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	6	No Change	0.00

Tractors/Loaders/Backhoes	Diesel	No Change	0	0	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr						Unmitigated mt/yr						
Air Compressors	3.74800E-002	2.51720E-001	2.32700E-001	3.70000E-004	1.88900E-002	1.88900E-002	0.00000E+000	3.20434E+001	3.20434E+001	3.04000E-003	0.00000E+000	3.21195E+001
Concrete/Industrial Saws	5.92100E-002	4.46300E-001	4.24550E-001	7.10000E-004	3.04400E-002	3.04400E-002	0.00000E+000	6.12928E+001	6.12928E+001	4.75000E-003	0.00000E+000	6.14115E+001
Cranes	5.67270E-001	5.91091E+000	2.87503E+000	9.15000E-003	2.47160E-001	2.27780E-001	0.00000E+000	8.05091E+002	8.05091E+002	2.28360E-001	0.00000E+000	8.10800E+002
Excavators	1.98340E-001	2.11355E+000	2.27544E+000	3.59000E-003	1.02440E-001	9.42400E-002	0.00000E+000	3.26889E+002	3.26889E+002	1.01980E-001	0.00000E+000	3.29438E+002
Forklifts	5.84430E-001	5.17548E+000	6.14374E+000	8.31000E-003	3.23390E-001	2.97830E-001	0.00000E+000	7.31509E+002	7.31509E+002	2.08270E-001	0.00000E+000	7.36715E+002
Generator Sets	5.55740E-001	4.89005E+000	6.49272E+000	1.16200E-002	2.31220E-001	2.31220E-001	0.00000E+000	9.98439E+002	9.98439E+002	4.44600E-002	0.00000E+000	9.99551E+002
Graders	9.02100E-002	1.23280E+000	3.34420E-001	1.17000E-003	3.99500E-002	3.67500E-002	0.00000E+000	1.06755E+002	1.06755E+002	3.33700E-002	0.00000E+000	1.07589E+002
Pavers	8.18700E-002	9.05730E-001	7.34580E-001	1.18000E-003	4.42600E-002	4.07200E-002	0.00000E+000	1.07734E+002	1.07734E+002	3.35400E-002	0.00000E+000	1.08572E+002
Paving Equipment	5.96800E-002	6.67300E-001	6.36570E-001	1.02000E-003	3.26700E-002	3.00600E-002	0.00000E+000	9.33596E+001	9.33596E+001	2.90600E-002	0.00000E+000	9.40862E+001
Rollers	6.47400E-002	6.25850E-001	4.85800E-001	6.60000E-004	4.30700E-002	3.96200E-002	0.00000E+000	6.00924E+001	6.00924E+001	1.87100E-002	0.00000E+000	6.05601E+001
Rubber Tired Dozers	7.09870E-001	7.63924E+000	2.66540E+000	5.21000E-003	3.71440E-001	3.41730E-001	0.00000E+000	4.75390E+002	4.75390E+002	1.48170E-001	0.00000E+000	4.79094E+002
Scrapers	3.97350E-001	4.89207E+000	3.03499E+000	5.35000E-003	1.92530E-001	1.77120E-001	0.00000E+000	4.86211E+002	4.86211E+002	1.52000E-001	0.00000E+000	4.90011E+002
Tractors/Loaders/Backhoes	9.45220E-001	9.11810E+000	1.19569E+001	1.67500E-002	4.97450E-001	4.58460E-001	0.00000E+000	1.47951E+003	1.47951E+003	4.26220E-001	0.00000E+000	1.49017E+003
Welders	4.68420E-001	2.50514E+000	2.98956E+000	4.51000E-003	1.00530E-001	1.00530E-001	0.00000E+000	3.32492E+002	3.32492E+002	3.81000E-002	0.00000E+000	3.33444E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr						Mitigated mt/yr						
Air Compressors	3.74800E-002	2.51720E-001	2.32700E-001	3.70000E-004	1.88900E-002	1.88900E-002	0.00000E+000	3.20434E+001	3.20434E+001	3.04000E-003	0.00000E+000	3.21195E+001
Concrete/Industrial Saws	5.92100E-002	4.46300E-001	4.24550E-001	7.10000E-004	3.04400E-002	3.04400E-002	0.00000E+000	6.12928E+001	6.12928E+001	4.75000E-003	0.00000E+000	6.14114E+001
Cranes	5.67270E-001	5.91090E+000	2.87502E+000	9.15000E-003	2.47160E-001	2.27780E-001	0.00000E+000	8.05090E+002	8.05090E+002	2.28360E-001	0.00000E+000	8.10799E+002

Excavators	1.98340E-001	2.11355E+000	2.27543E+000	3.59000E-003	1.02440E-001	9.42400E-002	0.00000E+000	3.26889E+002	3.26889E+002	1.01980E-001	0.00000E+000	3.29438E+002
Forklifts	5.84430E-001	5.17548E+000	6.14374E+000	8.31000E-003	3.23390E-001	2.97830E-001	0.00000E+000	7.31508E+002	7.31508E+002	2.08270E-001	0.00000E+000	7.36715E+002
Generator Sets	5.55740E-001	4.89004E+000	6.49271E+000	1.16200E-002	2.31220E-001	2.31220E-001	0.00000E+000	9.98438E+002	9.98438E+002	4.44600E-002	0.00000E+000	9.99549E+002
Graders	9.02100E-002	1.23280E+000	3.34420E-001	1.17000E-003	3.99500E-002	3.67500E-002	0.00000E+000	1.06755E+002	1.06755E+002	3.33700E-002	0.00000E+000	1.07589E+002
Pavers	8.18700E-002	9.05730E-001	7.34580E-001	1.18000E-003	4.42600E-002	4.07200E-002	0.00000E+000	1.07734E+002	1.07734E+002	3.35400E-002	0.00000E+000	1.08572E+002
Paving Equipment	5.96800E-002	6.67290E-001	6.36570E-001	1.02000E-003	3.26700E-002	3.00600E-002	0.00000E+000	9.33594E+001	9.33594E+001	2.90600E-002	0.00000E+000	9.40860E+001
Rollers	6.47400E-002	6.25850E-001	4.85800E-001	6.60000E-004	4.30700E-002	3.96200E-002	0.00000E+000	6.00923E+001	6.00923E+001	1.87100E-002	0.00000E+000	6.05600E+001
Rubber Tired Dozers	7.09870E-001	7.63923E+000	2.66540E+000	5.21000E-003	3.71440E-001	3.41730E-001	0.00000E+000	4.75389E+002	4.75389E+002	1.48170E-001	0.00000E+000	4.79094E+002
Scrapers	3.97350E-001	4.89206E+000	3.03498E+000	5.35000E-003	1.92530E-001	1.77120E-001	0.00000E+000	4.86210E+002	4.86210E+002	1.52000E-001	0.00000E+000	4.90010E+002
Tractors/Loaders/Bac khoes	9.45220E-001	9.11809E+000	1.19568E+001	1.67500E-002	4.97450E-001	4.58460E-001	0.00000E+000	1.47951E+003	1.47951E+003	4.26220E-001	0.00000E+000	1.49016E+003
Welders	4.68420E-001	2.50514E+000	2.98955E+000	4.51000E-003	1.00530E-001	1.00530E-001	0.00000E+000	3.32491E+002	3.32491E+002	3.81000E-002	0.00000E+000	3.33444E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24831E-006	1.24831E-006	0.00000E+000	0.00000E+000	1.24535E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14206E-006	1.14206E-006	0.00000E+000	0.00000E+000	1.13985E-006
Cranes	0.00000E+000	1.69179E-006	3.47822E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17999E-006	1.17999E-006	0.00000E+000	0.00000E+000	1.19635E-006
Excavators	0.00000E+000	0.00000E+000	4.39475E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19307E-006	1.19307E-006	0.00000E+000	0.00000E+000	1.21419E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18932E-006	1.18932E-006	0.00000E+000	0.00000E+000	1.18092E-006
Generator Sets	0.00000E+000	2.04497E-006	1.54019E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19186E-006	1.19186E-006	0.00000E+000	0.00000E+000	1.19054E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21774E-006	1.21774E-006	0.00000E+000	0.00000E+000	1.20830E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20668E-006	1.20668E-006	0.00000E+000	0.00000E+000	1.19736E-006
Paving Equipment	0.00000E+000	1.49858E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17824E-006	1.17824E-006	0.00000E+000	0.00000E+000	1.16914E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16487E-006	1.16487E-006	0.00000E+000	0.00000E+000	1.15588E-006
Rubber Tired Dozers	0.00000E+000	1.30903E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17798E-006	1.17798E-006	0.00000E+000	0.00000E+000	1.18975E-006
Scrapers	0.00000E+000	2.04412E-006	3.29490E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19290E-006	1.19290E-006	0.00000E+000	0.00000E+000	1.20406E-006
Tractors/Loaders/Bac khoes	0.00000E+000	1.09672E-006	8.36341E-007	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18958E-006	1.18958E-006	0.00000E+000	0.00000E+000	1.19450E-006
Welders	0.00000E+000	0.00000E+000	3.34497E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17296E-006	1.17296E-006	0.00000E+000	0.00000E+000	1.19960E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input	Mitigation Input	Mitigation Input
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00	
Yes	Replace Ground Cover of Area Disturbed	PM10 Reduction	5.00	PM2.5 Reduction	5.00	
Yes	Water Exposed Area	PM10 Reduction	55.00	PM2.5 Reduction	55.00	Frequency (per day) 2.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	15.00	
Yes	Clean Paved Road	% PM Reduction	9.00			

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.89	0.24	0.82	0.22	0.08	0.07
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	70.80	18.98	65.38	17.65	0.08	0.07
Demolition	Fugitive Dust	0.53	0.08	0.22	0.03	0.57	0.57
Demolition	Roads	0.06	0.02	0.06	0.02	0.07	0.06
Grading	Fugitive Dust	3.06	1.27	1.31	0.54	0.57	0.57
Grading	Roads	0.04	0.01	0.04	0.01	0.08	0.07
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.02	0.01	0.02	0.01	0.08	0.07
Site Preparation	Fugitive Dust	1.24	0.68	0.53	0.29	0.57	0.57
Site Preparation	Roads	0.01	0.00	0.01	0.00	0.08	0.07

Construction - Orange County, Summary Report

**Construction
Orange, Summary Report**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	306.00	Dwelling Unit	17.50	306,000.00	875
Apartments Mid Rise	3,278.00	Dwelling Unit	35.62	3,278,000.00	9375
Motel	407.00	Room	4.42	210,072.00	0
Hospital	446.41	1000sqft	9.50	446,407.00	0
City Park	5.10	Acre	5.10	80,797.00	0
Strip Mall	1,087.53	1000sqft	60.29	1,087,531.00	0
General Office Building	34.03	1000sqft	4.33	34,030.00	0
High Turnover (Sit Down Restaurant)	100.33	1000sqft	2.30	100,333.00	0
Other Non-Asphalt Surfaces	4.20	Acre	4.20	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2020
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MW hr)	1543.28	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics -

Land Use - Based on anticipated new land use buildout.

Construction Phase - Assumes overlap of all construction activities and based on CalEEMod default schedule normalized to an 18-year buildout.

Grading -

Demolition -

Trips and VMT - Assumes 1 water truck and 2 trip ends per water truck.

Construction Off-road Equipment Mitigation - Base on SCAQMD Rule 403 and 1186.

2.0 Peak Daily Emissions

Peak Daily Construction Emissions

Peak Daily Construction Emissions

Year	Phase	Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
lb/day													
2018	Demolition	3.9921 W	45.3628 W	24.5324 W	0.0578 S	7.1354 W	2.6821 W	3.9921 W	45.3628 W	24.5324 W	0.0578 S	4.4540 W	2.2724 W
2018	Site Preparation	4.6620 W	48.4980 W	23.2474 S	0.0406 S	20.8603 W	12.3614 W	4.6620 W	48.4980 W	23.2474 S	0.0406 S	10.5008 W	6.6721 W
2018	Grading	5.1995 W	59.8277 W	35.9390 S	0.0649 S	11.5467 W	6.0856 W	5.1995 W	59.8277 W	35.9390 S	0.0649 S	6.5629 W	4.0221 W
2019	Grading	4.8397 W	54.8068 W	34.1503 S	0.0648 S	11.2954 W	5.8544 W	4.8397 W	54.8068 W	34.1503 S	0.0648 S	6.3116 W	3.7909 W
2018	Building Construction	22.0335 W	118.3720 W	167.6568 S	0.5819 S	43.1646 W	13.1560 W	22.0335 W	118.3720 W	167.6568 S	0.5819 S	40.0358 W	12.3880 W
2019	Building Construction	20.2101 W	110.6972 W	154.1166 S	0.5706 S	42.8741 W	12.8817 W	20.2101 W	110.6972 W	154.1166 S	0.5706 S	39.7454 W	12.1138 W
2020	Building Construction	18.5695 W	101.1420 W	142.4889 S	0.5573 S	42.5381 W	12.5634 W	18.5695 W	101.1420 W	142.4889 S	0.5573 S	39.4094 W	11.7954 W
2021	Building Construction	17.1415 W	91.1137 W	133.1078 S	0.5431 S	42.1276 W	12.1734 W	17.1415 W	91.1137 W	133.1078 S	0.5431 S	38.9989 W	11.4054 W
2022	Building Construction	16.1328 W	84.9674 W	125.7038 S	0.5284 S	41.9549 W	12.0114 W	16.1328 W	84.9674 W	125.7038 S	0.5284 S	38.8262 W	11.2434 W
2023	Building Construction	14.9267 W	67.6815 W	118.2258 S	0.5101 S	41.7780 W	11.8441 W	14.9267 W	67.6815 W	118.2258 S	0.5101 S	38.6492 W	11.0761 W
2024	Building Construction	14.2223 W	65.5857 W	111.8781 S	0.4959 S	41.6860 W	11.7573 W	14.2223 W	65.5857 W	111.8781 S	0.4959 S	38.5572 W	10.9894 W
2025	Building Construction	13.6071 W	63.5309 W	106.3023 S	0.4824 S	41.5960 W	11.6727 W	13.6071 W	63.5309 W	106.3023 S	0.4824 S	38.4672 W	10.9048 W

2026	Building Construction	13.1645 W	62.5215 W	101.6400 S	0.4707 S	41.5879 W	11.6652 W	13.1645 W	62.5215 W	101.6400 S	0.4707 S	38.4591 W	10.8973 W
2027	Building Construction	12.7270 W	61.5833 W	97.5620 S	0.4604 S	41.5751 W	11.6534 W	12.7270 W	61.5833 W	97.5620 S	0.4604 S	38.4463 W	10.8854 W
2028	Building Construction	12.2672 W	60.7773 W	93.9957 S	0.4515 S	41.5584 W	11.6380 W	12.2672 W	60.7773 W	93.9957 S	0.4515 S	38.4296 W	10.8700 W
2029	Building Construction	11.7580 W	60.0262 W	90.6167 S	0.4437 S	41.5437 W	11.6244 W	11.7580 W	60.0262 W	90.6167 S	0.4437 S	38.4150 W	10.8564 W
2030	Building Construction	11.1674 W	54.7893 W	87.5671 S	0.4408 S	41.1511 W	11.2640 W	11.1674 W	54.7893 W	87.5671 S	0.4408 S	38.0223 W	10.4961 W
2031	Building Construction	10.5731 W	54.0394 W	84.6362 S	0.4343 S	41.1387 W	11.2526 W	10.5731 W	54.0394 W	84.6362 S	0.4343 S	38.0100 W	10.4847 W
2018	Paving	1.7194 W	17.5711 W	15.3856 S	0.0245 S	1.1249 S	0.9251 S	1.7194 W	17.5711 W	15.3856 S	0.0245 S	1.1118 S	0.9219 S
2018	Architectural Coating	165.2755 W	4.1775 W	27.3473 S	0.0783 S	7.4528 S	2.1186 S	165.2755 W	4.1775 W	27.3473 S	0.0783 S	6.8852 S	1.9793 S
	Peak Daily Total	165.2755 W	118.3720 W	167.6568 S	0.5819 S	43.1646 W	13.1560 W	165.2755 W	118.3720 W	167.6568 S	0.5819 S	40.0358 W	12.3880 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

GHG Activity	Year	Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
		MT/yr							
Construction	2018	9,619.5341	0.9372	0.0000	9,642.9646	9,619.5317	0.9372	0.0000	9,642.9623
Construction	2019	6,985.6746	0.4553	0.0000	6,997.0562	6,985.6740	0.4553	0.0000	6,997.0555
Construction	2020	6,589.9493	0.3538	0.0000	6,598.7941	6,589.9490	0.3538	0.0000	6,598.7938
Construction	2021	6,405.8587	0.3356	0.0000	6,414.2492	6,405.8583	0.3356	0.0000	6,414.2489
Construction	2022	6,216.3194	0.3204	0.0000	6,224.3305	6,216.3191	0.3204	0.0000	6,224.3302
Construction	2023	6,007.1574	0.3004	0.0000	6,014.6666	6,007.1570	0.3004	0.0000	6,014.6663
Construction	2024	5,893.4277	0.2933	0.0000	5,900.7612	5,893.4274	0.2933	0.0000	5,900.7608
Construction	2025	5,718.4513	0.2843	0.0000	5,725.5584	5,718.4509	0.2843	0.0000	5,725.5581
Construction	2026	5,586.1239	0.2775	0.0000	5,593.0623	5,586.1236	0.2775	0.0000	5,593.0619
Construction	2027	5,470.3006	0.2715	0.0000	5,477.0870	5,470.3002	0.2715	0.0000	5,477.0866

Construction	2028	5,349.0827	0.2650	0.0000	5,355.7086	5,349.0824	0.2650	0.0000	5,355.7082
Construction	2029	5,281.4656	0.2612	0.0000	5,287.9944	5,281.4653	0.2612	0.0000	5,287.9941
Construction	2030	5,244.4955	0.1993	0.0000	5,249.4769	5,244.4951	0.1993	0.0000	5,249.4765
Construction	2031	2,793.5868	0.1054	0.0000	2,796.2224	2,793.5866	0.1054	0.0000	2,796.2222
	Total								
	Significance Threshold								
	Exceed Significance?								

CalEEMod Output – Operation: Existing

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Operation - Existing - Orange County, Summer

Operation - Existing
Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	12.18	1000sqft	1.30	12,175.00	0
Hospital	242.12	1000sqft	12.80	242,119.00	0
Medical Office Building	113.60	1000sqft	7.60	113,602.00	0
Place of Worship	11.89	1000sqft	3.51	11,890.00	0
Other Asphalt Surfaces	41.60	Acre	41.60	0.00	0
Other Non-Asphalt Surfaces	42.10	Acre	42.10	0.00	0
City Park	22.80	Acre	22.80	11,601.00	0
Health Club	53.98	1000sqft	3.76	53,984.00	0
Motel	879.00	Room	14.50	327,773.00	0
Apartments Low Rise	941.00	Dwelling Unit	42.90	941,000.00	2691
Condo/Townhouse	193.00	Dwelling Unit	13.10	193,000.00	552
Congregate Care (Assisted Living)	80.00	Dwelling Unit	1.80	79,958.00	229
Mobile Home Park	336.00	Dwelling Unit	32.40	403,200.00	961
Retirement Community	110.00	Dwelling Unit	1.17	61,500.00	315
Single Family Housing	7.00	Dwelling Unit	0.66	12,600.00	20
Automobile Care Center	8.58	1000sqft	7.61	8,583.00	0
Gasoline/Service Station	20.00	Pump	1.62	6,422.00	0
Strip Mall	352.52	1000sqft	31.60	352,517.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2016
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1543.28	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on existing land uses.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Woodstoves - Assumes no woodstoves.

Energy Use - .

Water And Wastewater - Based on information provided by Fuscoe Engineering, Inc. For purposes of this analysis, water use is equally proportioned

Solid Waste - See Utilities and Service Systems chapter of the DEIR for further details. For purposes of this analysis, solid waste amounts are equally

Fleet Mix - Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Highway

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	330.00	1.00
tblFireplaces	NumberGas	799.85	846.90
tblFireplaces	NumberGas	68.00	0.00
tblFireplaces	NumberNoFireplace	8.00	80.00
tblFireplaces	NumberWood	47.05	0.00
tblFireplaces	NumberWood	4.00	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise

tblFleetMix	FleetMixLandUseSubType	Hospital	Automobile Care Center
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	City Park
tblFleetMix	FleetMixLandUseSubType	Place of Worship	Condo/Townhouse
tblFleetMix	FleetMixLandUseSubType	Other Asphalt Surfaces	Congregate Care (Assisted Living)
tblFleetMix	FleetMixLandUseSubType	Other Non-Asphalt Surfaces	Gasoline/Service Station
tblFleetMix	FleetMixLandUseSubType	City Park	General Office Building
tblFleetMix	FleetMixLandUseSubType	Motel	Hospital
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Condo/Townhouse	Mobile Home Park
tblFleetMix	FleetMixLandUseSubType	Congregate Care (Assisted Living)	Motel
tblFleetMix	FleetMixLandUseSubType	Mobile Home Park	Other Asphalt Surfaces
tblFleetMix	FleetMixLandUseSubType	Retirement Community	Other Non-Asphalt Surfaces
tblFleetMix	FleetMixLandUseSubType	Single Family Housing	Place of Worship
tblFleetMix	FleetMixLandUseSubType	Automobile Care Center	Retirement Community
tblFleetMix	FleetMixLandUseSubType	Gasoline/Service Station	Single Family Housing
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003

tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.21	0.26
tblFleetMix	LDT2	0.21	0.26
tblFleetMix	LDT2	0.21	0.26
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tblFleetMix	LDT2	0.21	0.26
tblFleetMix	LDT2	0.21	0.26
tblFleetMix	LDT2	0.21	0.26
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tblFleetMix	LDT2	0.21	0.26
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tblFleetMix	LDT2	0.21	0.26
tblFleetMix	LDT2	0.21	0.26
tblFleetMix	LDT2	0.21	0.26
tblFleetMix	LDT2	0.21	0.26
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tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD1	0.02	1.7464e-003
tblFleetMix	LHD2	5.8110e-003	5.0005e-004
tblFleetMix	LHD2	5.8110e-003	5.0005e-004
tblFleetMix	LHD2	5.8110e-003	5.0005e-004

tblFleetMix	LHD2	5.8110e-003	5.0005e-004
tblFleetMix	LHD2	5.8110e-003	5.0005e-004
tblFleetMix	LHD2	5.8110e-003	5.0005e-004
tblFleetMix	LHD2	5.8110e-003	5.0005e-004
tblFleetMix	LHD2	5.8110e-003	5.0005e-004
tblFleetMix	LHD2	5.8110e-003	5.0005e-004
tblFleetMix	LHD2	5.8110e-003	5.0005e-004
tblFleetMix	LHD2	5.8110e-003	5.0005e-004
tblFleetMix	LHD2	5.8110e-003	5.0005e-004
tblFleetMix	LHD2	5.8110e-003	5.0005e-004
tblFleetMix	LHD2	5.8110e-003	5.0005e-004
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tblFleetMix	LHD2	5.8110e-003	5.0005e-004
tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MCY	4.6870e-003	5.6699e-003
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tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MCY	4.6870e-003	5.6699e-003
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tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MCY	4.6870e-003	5.6699e-003

tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MH	1.1870e-003	1.0214e-004
tblFleetMix	MH	1.1870e-003	1.0214e-004
tblFleetMix	MH	1.1870e-003	1.0214e-004

tblFleetMix	MH	1.1870e-003	1.0214e-004
tblFleetMix	MH	1.1870e-003	1.0214e-004
tblFleetMix	MH	1.1870e-003	1.0214e-004
tblFleetMix	MH	1.1870e-003	1.0214e-004
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tblFleetMix	MH	1.1870e-003	1.0214e-004
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tblFleetMix	MH	1.1870e-003	1.0214e-004
tblFleetMix	MH	1.1870e-003	1.0214e-004
tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003

tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003
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tblFleetMix	OBUS	1.5200e-003	1.3080e-004
tblFleetMix	OBUS	1.5200e-003	1.3080e-004
tblFleetMix	OBUS	1.5200e-003	1.3080e-004
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tblFleetMix	SBUS	5.6400e-004	4.9000e-005
tblFleetMix	SBUS	5.6400e-004	4.9000e-005
tblFleetMix	SBUS	5.6400e-004	4.9000e-005

tblFleetMix	UBUS	1.7750e-003	1.5274e-004
tblFleetMix	UBUS	1.7750e-003	1.5274e-004
tblFleetMix	UBUS	1.7750e-003	1.5274e-004
tblFleetMix	UBUS	1.7750e-003	1.5274e-004
tblFleetMix	UBUS	1.7750e-003	1.5274e-004
tblFleetMix	UBUS	1.7750e-003	1.5274e-004
tblLandUse	BuildingSpaceSquareFeet	12,180.00	12,175.00
tblLandUse	BuildingSpaceSquareFeet	242,120.00	242,119.00
tblLandUse	BuildingSpaceSquareFeet	113,600.00	113,602.00
tblLandUse	BuildingSpaceSquareFeet	1,812,096.00	0.00
tblLandUse	BuildingSpaceSquareFeet	1,833,876.00	0.00
tblLandUse	BuildingSpaceSquareFeet	0.00	11,601.00
tblLandUse	BuildingSpaceSquareFeet	53,980.00	53,984.00
tblLandUse	BuildingSpaceSquareFeet	1,723,015.80	327,773.00
tblLandUse	BuildingSpaceSquareFeet	80,000.00	79,958.00
tblLandUse	BuildingSpaceSquareFeet	110,000.00	61,500.00
tblLandUse	BuildingSpaceSquareFeet	8,580.00	8,583.00
tblLandUse	BuildingSpaceSquareFeet	2,823.50	6,422.00
tblLandUse	BuildingSpaceSquareFeet	352,520.00	352,517.00
tblLandUse	GreenSpaceSquareFeet	993,168.00	0.00
tblLandUse	LandUseSquareFeet	12,180.00	12,175.00
tblLandUse	LandUseSquareFeet	242,120.00	242,119.00
tblLandUse	LandUseSquareFeet	113,600.00	113,602.00
tblLandUse	LandUseSquareFeet	1,812,096.00	0.00
tblLandUse	LandUseSquareFeet	1,833,876.00	0.00
tblLandUse	LandUseSquareFeet	993,168.00	11,601.00
tblLandUse	LandUseSquareFeet	53,980.00	53,984.00

tblLandUse	LandUseSquareFeet	1,723,015.80	327,773.00
tblLandUse	LandUseSquareFeet	80,000.00	79,958.00
tblLandUse	LandUseSquareFeet	110,000.00	61,500.00
tblLandUse	LandUseSquareFeet	8,580.00	8,583.00
tblLandUse	LandUseSquareFeet	2,823.50	6,422.00
tblLandUse	LandUseSquareFeet	352,520.00	352,517.00
tblLandUse	LotAcreage	0.28	1.30
tblLandUse	LotAcreage	5.56	12.80
tblLandUse	LotAcreage	2.61	7.60
tblLandUse	LotAcreage	0.27	3.51
tblLandUse	LotAcreage	1.24	3.76
tblLandUse	LotAcreage	39.55	14.50
tblLandUse	LotAcreage	58.81	42.90
tblLandUse	LotAcreage	12.06	13.10
tblLandUse	LotAcreage	5.00	1.80
tblLandUse	LotAcreage	42.33	32.40
tblLandUse	LotAcreage	22.00	1.17
tblLandUse	LotAcreage	2.27	0.66
tblLandUse	LotAcreage	0.20	7.61
tblLandUse	LotAcreage	0.06	1.62
tblLandUse	LotAcreage	8.09	31.60
tblProjectCharacteristics	OperationalYear	2018	2016
tblSolidWaste	SolidWasteGenerationRate	432.86	662.00
tblSolidWaste	SolidWasteGenerationRate	32.78	662.00
tblSolidWaste	SolidWasteGenerationRate	1.96	662.00
tblSolidWaste	SolidWasteGenerationRate	88.78	662.00
tblSolidWaste	SolidWasteGenerationRate	73.00	662.00

tblSolidWaste	SolidWasteGenerationRate	10.78	662.00
tblSolidWaste	SolidWasteGenerationRate	11.33	662.00
tblSolidWaste	SolidWasteGenerationRate	307.69	662.00
tblSolidWaste	SolidWasteGenerationRate	2,614.90	662.00
tblSolidWaste	SolidWasteGenerationRate	1,226.88	662.00
tblSolidWaste	SolidWasteGenerationRate	154.56	662.00
tblSolidWaste	SolidWasteGenerationRate	481.25	662.00
tblSolidWaste	SolidWasteGenerationRate	67.77	662.00
tblSolidWaste	SolidWasteGenerationRate	50.60	662.00
tblSolidWaste	SolidWasteGenerationRate	8.20	662.00
tblSolidWaste	SolidWasteGenerationRate	370.15	662.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
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tblVehicleTrips	CC_TTP	79.00	100.00
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tblVehicleTrips	CC_TTP	64.10	100.00
tblVehicleTrips	CC_TTP	16.10	100.00

tblVehicleTrips	CC_TTP	51.40	100.00
tblVehicleTrips	CC_TTP	62.00	100.00
tblVehicleTrips	CC_TTP	95.00	100.00
tblVehicleTrips	CC_TTP	64.40	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
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tblVehicleTrips	CNW_TTP	19.00	0.00
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tblVehicleTrips	CNW_TTP	19.00	0.00
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tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
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tblVehicleTrips	CW_TTP	33.00	0.00
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tblVehicleTrips	CW_TTP	16.90	0.00
tblVehicleTrips	CW_TTP	64.90	0.00
tblVehicleTrips	CW_TTP	29.60	0.00
tblVehicleTrips	CW_TTP	19.00	0.00
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tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	51.00	0.00
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tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00

tblVehicleTrips	DV_TP	38.00	0.00
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tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
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tblVehicleTrips	HO_TTP	40.60	0.00
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tblVehicleTrips	HS_TL	5.90	0.00
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tblVehicleTrips	HS_TTP	19.20	0.00
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tblVehicleTrips	HS_TTP	19.20	0.00

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tblVehicleTrips	HW_TL	14.70	7.00
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tblVehicleTrips	HW_TTP	40.20	100.00
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tblVehicleTrips	PB_TP	3.00	0.00
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tblVehicleTrips	PR_TP	52.00	100.00
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tblVehicleTrips	ST_TR	7.16	1.35
tblVehicleTrips	ST_TR	23.72	147.74
tblVehicleTrips	ST_TR	22.75	55.62
tblVehicleTrips	ST_TR	5.67	6.57
tblVehicleTrips	ST_TR	2.20	15.85
tblVehicleTrips	ST_TR	168.56	63.40
tblVehicleTrips	ST_TR	2.46	104.15
tblVehicleTrips	ST_TR	20.87	23.49

tblVehicleTrips	ST_TR	10.18	5.24
tblVehicleTrips	ST_TR	8.96	11.16
tblVehicleTrips	ST_TR	5.00	3.77
tblVehicleTrips	ST_TR	5.63	1.44
tblVehicleTrips	ST_TR	10.37	106.65
tblVehicleTrips	ST_TR	2.03	11.53
tblVehicleTrips	ST_TR	9.91	181.15
tblVehicleTrips	ST_TR	42.04	3.60
tblVehicleTrips	SU_TR	6.07	1.35
tblVehicleTrips	SU_TR	11.88	147.74
tblVehicleTrips	SU_TR	16.74	55.62
tblVehicleTrips	SU_TR	4.84	6.57
tblVehicleTrips	SU_TR	2.44	15.85
tblVehicleTrips	SU_TR	168.56	63.40
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tblVehicleTrips	SU_TR	26.73	23.49
tblVehicleTrips	SU_TR	8.91	5.24
tblVehicleTrips	SU_TR	1.55	11.16
tblVehicleTrips	SU_TR	4.36	3.77
tblVehicleTrips	SU_TR	5.63	1.44
tblVehicleTrips	SU_TR	36.63	106.65
tblVehicleTrips	SU_TR	1.95	11.53
tblVehicleTrips	SU_TR	8.62	181.15
tblVehicleTrips	SU_TR	20.43	3.60
tblVehicleTrips	WD_TR	6.59	1.35
tblVehicleTrips	WD_TR	23.72	147.74
tblVehicleTrips	WD_TR	1.89	55.62

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	IndoorWaterUseRate	61,309,938.11	6,759,640.00
tblWater	IndoorWaterUseRate	807,215.90	6,759,640.00
tblWater	IndoorWaterUseRate	0.00	6,759,640.00
tblWater	IndoorWaterUseRate	12,574,726.94	6,759,640.00
tblWater	IndoorWaterUseRate	5,212,322.05	6,759,640.00

tbiWater	IndoorWaterUseRate	265,637.78	6,759,640.00
tbiWater	IndoorWaterUseRate	2,164,797.05	6,759,640.00
tbiWater	IndoorWaterUseRate	3,192,546.92	6,759,640.00
tbiWater	IndoorWaterUseRate	30,381,347.75	6,759,640.00
tbiWater	IndoorWaterUseRate	14,254,589.07	6,759,640.00
tbiWater	IndoorWaterUseRate	21,891,752.61	6,759,640.00
tbiWater	IndoorWaterUseRate	22,297,390.83	6,759,640.00
tbiWater	IndoorWaterUseRate	372,025.12	6,759,640.00
tbiWater	IndoorWaterUseRate	7,166,942.82	6,759,640.00
tbiWater	IndoorWaterUseRate	456,078.18	6,759,640.00
tbiWater	IndoorWaterUseRate	26,112,045.27	6,759,640.00
tbiWater	OutdoorWaterUseRate	38,651,917.50	10,662,243.00
tbiWater	OutdoorWaterUseRate	494,745.23	10,662,243.00
tbiWater	OutdoorWaterUseRate	27,165,774.77	10,662,243.00
tbiWater	OutdoorWaterUseRate	7,927,545.25	10,662,243.00
tbiWater	OutdoorWaterUseRate	3,286,029.12	10,662,243.00
tbiWater	OutdoorWaterUseRate	162,810.25	10,662,243.00
tbiWater	OutdoorWaterUseRate	1,326,811.10	10,662,243.00
tbiWater	OutdoorWaterUseRate	1,956,722.30	10,662,243.00
tbiWater	OutdoorWaterUseRate	5,786,923.38	10,662,243.00
tbiWater	OutdoorWaterUseRate	2,715,159.82	10,662,243.00
tbiWater	OutdoorWaterUseRate	13,801,322.30	10,662,243.00
tbiWater	OutdoorWaterUseRate	2,477,487.87	10,662,243.00
tbiWater	OutdoorWaterUseRate	581,885.44	10,662,243.00
tbiWater	OutdoorWaterUseRate	4,518,290.04	10,662,243.00
tbiWater	OutdoorWaterUseRate	287,527.55	10,662,243.00
tbiWater	OutdoorWaterUseRate	16,004,156.78	10,662,243.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	47.05	0.00
tblWoodstoves	NumberCatalytic	9.65	0.00
tblWoodstoves	NumberCatalytic	4.00	0.00
tblWoodstoves	NumberCatalytic	16.80	0.00
tblWoodstoves	NumberCatalytic	5.50	0.00
tblWoodstoves	NumberCatalytic	0.35	0.00
tblWoodstoves	NumberNoncatalytic	47.05	0.00
tblWoodstoves	NumberNoncatalytic	9.65	0.00
tblWoodstoves	NumberNoncatalytic	4.00	0.00

tblWoodstoves	NumberNoncatalytic	16.80	0.00
tblWoodstoves	NumberNoncatalytic	5.50	0.00
tblWoodstoves	NumberNoncatalytic	0.35	0.00

2.0 Emissions Summary

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	219.7625	26.5024	315.8013	0.4185		25.4060	25.4060		25.4060	25.4060	2,238.5709	29,810.3837	32,048.9545	0.8201	0.7395	32,289.8269
Energy	1.6386	14.5114	9.6872	0.0894		1.1322	1.1322		1.1322	1.1322		17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490
Mobile	40.4255	66.9970	489.6526	1.2245	108.0746	0.9103	108.9850	28.6699	0.8478	29.5177		122,347.2815	122,347.2815	4.9006		122,469.7966
Total	261.8266	108.0108	815.1411	1.7323	108.0746	27.4485	135.5231	28.6699	27.3860	56.0559	2,238.5709	170,033.7853	172,272.3562	6.0633	1.0672	172,741.9725

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	219.7625	26.5024	315.8013	0.4185		25.4060	25.4060		25.4060	25.4060	2,238.5709	29,810.3837	32,048.9545	0.8201	0.7395	32,289.8269

Energy	1.6386	14.5114	9.6872	0.0894		1.1322	1.1322		1.1322	1.1322		17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490
Mobile	40.4255	66.9970	489.6526	1.2245	108.0746	0.9103	108.9850	28.6699	0.8478	29.5177		122,347.2815	122,347.2815	4.9006		122,469.7966
Total	261.8266	108.0108	815.1411	1.7323	108.0746	27.4485	135.5231	28.6699	27.3860	56.0559	2,238.5709	170,033.7853	172,272.3562	6.0633	1.0672	172,741.9725

	ROG	NOx	CO	SO2	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

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	40.4255	66.9970	489.6526	1.2245	108.0746	0.9103	108.9850	28.6699	0.8478	29.5177		122,347.2815	122,347.2815	4.9006		122,469.7966
Unmitigated	40.4255	66.9970	489.6526	1.2245	108.0746	0.9103	108.9850	28.6699	0.8478	29.5177		122,347.2815	122,347.2815	4.9006		122,469.7966

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,270.35	1,270.35	1270.35	3,236,852	3,236,852

Automobile Care Center	1,267.61	1,267.61	1267.61	3,229,868	3,229,868
City Park	1,268.14	1,268.14	1268.14	3,231,211	3,231,211
Condo/Townhouse	1,268.01	1,268.01	1268.01	3,230,889	3,230,889
Congregate Care (Assisted Living)	1,268.00	1,268.00	1268.00	3,230,864	3,230,864
Gasoline/Service Station	1,268.00	1,268.00	1268.00	3,230,864	3,230,864
General Office Building	1,268.55	1,268.55	1268.55	3,232,258	3,232,258
Health Club	1,267.99	1,267.99	1267.99	3,230,839	3,230,839
Hospital	1,268.71	1,268.71	1268.71	3,232,670	3,232,670
Medical Office Building	1,267.78	1,267.78	1267.78	3,230,293	3,230,293
Mobile Home Park	1,266.72	1,266.72	1266.72	3,227,603	3,227,603
Motel	1,265.76	1,265.76	1265.76	3,225,156	3,225,156
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Place of Worship	1,268.07	1,268.07	1268.07	3,231,039	3,231,039
Retirement Community	1,268.30	1,268.30	1268.30	3,231,628	3,231,628
Single Family Housing	1,268.05	1,268.05	1268.05	3,230,991	3,230,991
Strip Mall	1,269.07	1,269.07	1269.07	3,233,595	3,233,595
Total	20,289.10	20,289.10	20,289.10	51,696,621	51,696,621

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 Low Rise	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Automobile Care Center	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
City Park	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Condo/Townhouse	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Congregate Care (Assisted Living)	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Gasoline/Service Station	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Health Club	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Hospital	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Medical Office Building	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Mobile Home Park	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Motel	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Place of Worship	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Retirement Community	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Single Family Housing	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Strip Mall	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Automobile Care Center	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
City Park	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Condo/Townhouse	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Congregate Care (Assisted Living)	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Gasoline/Service Station	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
General Office Building	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Health Club	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Hospital	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Medical Office Building	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Mobile Home Park	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Motel	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Other Asphalt Surfaces	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Other Non-Asphalt Surfaces	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Place of Worship	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Retirement Community	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Single Family Housing	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Strip Mall	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102

5.0 Energy Detail

Historical Energy Use: Y

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	1.6386	14.5114	9.6872	0.0894		1.1322	1.1322		1.1322	1.1322		17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490
NaturalGas Unmitigated	1.6386	14.5114	9.6872	0.0894		1.1322	1.1322		1.1322	1.1322		17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490

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					
Apartments Low Rise	30054.1	0.3241	2.7697	1.1786	0.0177		0.2239	0.2239		0.2239	0.2239		3,535.7730	3,535.7730	0.0678	0.0648	3,556.7843
Automobile Care Center	519.683	5.6000e-003	0.0510	0.0428	3.1000e-004		3.8700e-003	3.8700e-003		3.8700e-003	3.8700e-003		61.1392	61.1392	1.1700e-003	1.1200e-003	61.5025

City Park	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	8880.22	0.0958	0.8184	0.3482	5.2200e-003	0.0662	0.0662	0.0662	0.0662	1,044.7319	1,044.7319	0.0200	0.0192	1,050.9402		
Congregate Care (Assisted Living)	2002.64	0.0216	0.1846	0.0785	1.1800e-003	0.0149	0.0149	0.0149	0.0149	235.6048	235.6048	4.5200e-003	4.3200e-003	237.0049		
Gasoline/Service Station	388.839	4.1900e-003	0.0381	0.0320	2.3000e-004	2.9000e-003	2.9000e-003	2.9000e-003	2.9000e-003	45.7458	45.7458	8.8000e-004	8.4000e-004	46.0176		
General Office Building	361.247	3.9000e-003	0.0354	0.0298	2.1000e-004	2.6900e-003	2.6900e-003	2.6900e-003	2.6900e-003	42.4997	42.4997	8.1000e-004	7.8000e-004	42.7522		
Health Club	3268.62	0.0353	0.3205	0.2692	1.9200e-003	0.0244	0.0244	0.0244	0.0244	384.5436	384.5436	7.3700e-003	7.0500e-003	386.8287		
Hospital	43223.2	0.4661	4.2376	3.5596	0.0254	0.3221	0.3221	0.3221	0.3221	5,085.0843	5,085.0843	0.0975	0.0932	5,115.3024		
Medical Office Building	3370.71	0.0364	0.3305	0.2776	1.9800e-003	0.0251	0.0251	0.0251	0.0251	396.5543	396.5543	7.6000e-003	7.2700e-003	398.9108		
Mobile Home Park	18911.9	0.2040	1.7429	0.7416	0.0111	0.1409	0.1409	0.1409	0.1409	2,224.9243	2,224.9243	0.0426	0.0408	2,238.1459		
Motel	32543.8	0.3510	3.1906	2.6801	0.0191	0.2425	0.2425	0.2425	0.2425	3,828.6845	3,828.6845	0.0734	0.0702	3,851.4364		
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Place of Worship	719.915	7.7600e-003	0.0706	0.0593	4.2000e-004	5.3600e-003	5.3600e-003	5.3600e-003	5.3600e-003	84.6959	84.6959	1.6200e-003	1.5500e-003	85.1992		
Retirement Community	5061.27	0.0546	0.4664	0.1985	2.9800e-003	0.0377	0.0377	0.0377	0.0377	595.4430	595.4430	0.0114	0.0109	598.9815		
Single Family Housing	603.078	6.5000e-003	0.0556	0.0237	3.5000e-004	4.4900e-003	4.4900e-003	4.4900e-003	4.4900e-003	70.9504	70.9504	1.3600e-003	1.3000e-003	71.3720		
Strip Mall	2037.84	0.0220	0.1998	0.1678	1.2000e-003	0.0152	0.0152	0.0152	0.0152	239.7457	239.7457	4.6000e-003	4.4000e-003	241.1703		
Total		1.6386	14.5114	9.6872	0.0894	1.1321	1.1321	1.1321	1.1321	17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490		

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					
Apartments Low Rise	30.0541	0.3241	2.7697	1.1786	0.0177		0.2239	0.2239		0.2239	0.2239		3,535.7730	3,535.7730	0.0678	0.0648	3,556.7843
Automobile Care Center	0.519683	5.6000e-003	0.0510	0.0428	3.1000e-004		3.8700e-003	3.8700e-003		3.8700e-003	3.8700e-003		61.1392	61.1392	1.1700e-003	1.1200e-003	61.5025
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	8.88022	0.0958	0.8184	0.3482	5.2200e-003		0.0662	0.0662		0.0662	0.0662		1,044.7319	1,044.7319	0.0200	0.0192	1,050.9402
Congregate Care (Assisted Living)	2.00264	0.0216	0.1846	0.0785	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6048	235.6048	4.5200e-003	4.3200e-003	237.0049
Gasoline/Service Station	0.388839	4.1900e-003	0.0381	0.0320	2.3000e-004		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003		45.7458	45.7458	8.8000e-004	8.4000e-004	46.0176
General Office Building	0.361247	3.9000e-003	0.0354	0.0298	2.1000e-004		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003		42.4997	42.4997	8.1000e-004	7.8000e-004	42.7522
Health Club	3.26862	0.0353	0.3205	0.2692	1.9200e-003		0.0244	0.0244		0.0244	0.0244		384.5436	384.5436	7.3700e-003	7.0500e-003	386.8287
Hospital	43.2232	0.4661	4.2376	3.5596	0.0254		0.3221	0.3221		0.3221	0.3221		5,085.0843	5,085.0843	0.0975	0.0932	5,115.3024
Medical Office Building	3.37071	0.0364	0.3305	0.2776	1.9800e-003		0.0251	0.0251		0.0251	0.0251		396.5543	396.5543	7.6000e-003	7.2700e-003	398.9108
Mobile Home Park	18.9119	0.2040	1.7429	0.7416	0.0111		0.1409	0.1409		0.1409	0.1409		2,224.9243	2,224.9243	0.0426	0.0408	2,238.1459
Motel	32.5438	0.3510	3.1906	2.6801	0.0191		0.2425	0.2425		0.2425	0.2425		3,828.6845	3,828.6845	0.0734	0.0702	3,851.4364
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.719915	7.7600e-003	0.0706	0.0593	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003		84.6959	84.6959	1.6200e-003	1.5500e-003	85.1992
Retirement Community	5.06127	0.0546	0.4664	0.1985	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.4430	595.4430	0.0114	0.0109	598.9815
Single Family Housing	0.603078	6.5000e-003	0.0556	0.0237	3.5000e-004		4.4900e-003	4.4900e-003		4.4900e-003	4.4900e-003		70.9504	70.9504	1.3600e-003	1.3000e-003	71.3720
Strip Mall	2.03784	0.0220	0.1998	0.1678	1.2000e-003		0.0152	0.0152		0.0152	0.0152		239.7457	239.7457	4.6000e-003	4.4000e-003	241.1703

Total		1.6386	14.5114	9.6872	0.0894		1.1321	1.1321		1.1321	1.1321		17,876.120 2	17,876.12 02	0.3426	0.3277	17,982.34 90
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6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	219.7625	26.5024	315.8013	0.4185		25.4060	25.4060		25.4060	25.4060	2,238.570 9	29,810.38 37	32,048.954 5	0.8201	0.7395	32,289.82 69
Unmitigated	219.7625	26.5024	315.8013	0.4185		25.4060	25.4060		25.4060	25.4060	2,238.570 9	29,810.38 37	32,048.954 5	0.8201	0.7395	32,289.82 69

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	5.7963					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	56.0721					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Hearth	153.4842	24.8690	176.1668	0.4112		24.6530	24.6530		24.6530	24.6530	2,238.5709	29,562.3529	31,800.9238	0.5666	0.7395	32,035.4594
Landscaping	4.4099	1.6333	139.6345	7.2800e-003		0.7530	0.7530		0.7530	0.7530		248.0307	248.0307	0.2535		254.3676
Total	219.7625	26.5024	315.8013	0.4185		25.4060	25.4060		25.4060	25.4060	2,238.5709	29,810.3837	32,048.9545	0.8201	0.7395	32,289.8269

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	5.7963					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	56.0721					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	153.4842	24.8690	176.1668	0.4112		24.6530	24.6530		24.6530	24.6530	2,238.5709	29,562.3529	31,800.9238	0.5666	0.7395	32,035.4594
Landscaping	4.4099	1.6333	139.6345	7.2800e-003		0.7530	0.7530		0.7530	0.7530		248.0307	248.0307	0.2535		254.3676
Total	219.7625	26.5024	315.8013	0.4185		25.4060	25.4060		25.4060	25.4060	2,238.5709	29,810.3837	32,048.9545	0.8201	0.7395	32,289.8269

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 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Operation - Existing - Orange County, Winter

Operation - Existing
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	12.18	1000sqft	1.30	12,175.00	0
Hospital	242.12	1000sqft	12.80	242,119.00	0
Medical Office Building	113.60	1000sqft	7.60	113,602.00	0
Place of Worship	11.89	1000sqft	3.51	11,890.00	0
Other Asphalt Surfaces	41.60	Acre	41.60	0.00	0
Other Non-Asphalt Surfaces	42.10	Acre	42.10	0.00	0
City Park	22.80	Acre	22.80	11,601.00	0
Health Club	53.98	1000sqft	3.76	53,984.00	0
Motel	879.00	Room	14.50	327,773.00	0
Apartments Low Rise	941.00	Dwelling Unit	42.90	941,000.00	2691
Condo/Townhouse	193.00	Dwelling Unit	13.10	193,000.00	552
Congregate Care (Assisted Living)	80.00	Dwelling Unit	1.80	79,958.00	229
Mobile Home Park	336.00	Dwelling Unit	32.40	403,200.00	961
Retirement Community	110.00	Dwelling Unit	1.17	61,500.00	315
Single Family Housing	7.00	Dwelling Unit	0.66	12,600.00	20
Automobile Care Center	8.58	1000sqft	7.61	8,583.00	0
Gasoline/Service Station	20.00	Pump	1.62	6,422.00	0
Strip Mall	352.52	1000sqft	31.60	352,517.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2016
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1543.28	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on existing land uses.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Woodstoves - Assumes no woodstoves.

Energy Use - .

Water And Wastewater - Based on infomraiton provided by Fuscoe Engineering, Inc. For purposes of this analysis, water use is equally proportioned

Solid Waste - See Utilities and Service Systems chapter of the DEIR for further details. For purposes of this analysis, solid waste amounts are equally

Fleet Mix - Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Highway

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	330.00	1.00
tblFireplaces	NumberGas	799.85	846.90
tblFireplaces	NumberGas	68.00	0.00
tblFireplaces	NumberNoFireplace	8.00	80.00
tblFireplaces	NumberWood	47.05	0.00
tblFireplaces	NumberWood	4.00	0.00
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tblFleetMix	FleetMixLandUseSubType	Hospital	Automobile Care Center
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	City Park
tblFleetMix	FleetMixLandUseSubType	Place of Worship	Condo/Townhouse
tblFleetMix	FleetMixLandUseSubType	Other Asphalt Surfaces	Congregate Care (Assisted Living)
tblFleetMix	FleetMixLandUseSubType	Other Non-Asphalt Surfaces	Gasoline/Service Station
tblFleetMix	FleetMixLandUseSubType	City Park	General Office Building
tblFleetMix	FleetMixLandUseSubType	Motel	Hospital
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Condo/Townhouse	Mobile Home Park
tblFleetMix	FleetMixLandUseSubType	Congregate Care (Assisted Living)	Motel
tblFleetMix	FleetMixLandUseSubType	Mobile Home Park	Other Asphalt Surfaces
tblFleetMix	FleetMixLandUseSubType	Retirement Community	Other Non-Asphalt Surfaces
tblFleetMix	FleetMixLandUseSubType	Single Family Housing	Place of Worship
tblFleetMix	FleetMixLandUseSubType	Automobile Care Center	Retirement Community
tblFleetMix	FleetMixLandUseSubType	Gasoline/Service Station	Single Family Housing
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tblFleetMix	OBUS	1.5200e-003	1.3080e-004
tblFleetMix	OBUS	1.5200e-003	1.3080e-004
tblFleetMix	OBUS	1.5200e-003	1.3080e-004
tblFleetMix	OBUS	1.5200e-003	1.3080e-004
tblFleetMix	OBUS	1.5200e-003	1.3080e-004
tblFleetMix	OBUS	1.5200e-003	1.3080e-004
tblFleetMix	OBUS	1.5200e-003	1.3080e-004
tblFleetMix	OBUS	1.5200e-003	1.3080e-004
tblFleetMix	OBUS	1.5200e-003	1.3080e-004
tblFleetMix	OBUS	1.5200e-003	1.3080e-004
tblFleetMix	OBUS	1.5200e-003	1.3080e-004
tblFleetMix	SBUS	5.6400e-004	4.9000e-005
tblFleetMix	SBUS	5.6400e-004	4.9000e-005
tblFleetMix	SBUS	5.6400e-004	4.9000e-005

tblFleetMix	UBUS	1.7750e-003	1.5274e-004
tblFleetMix	UBUS	1.7750e-003	1.5274e-004
tblFleetMix	UBUS	1.7750e-003	1.5274e-004
tblFleetMix	UBUS	1.7750e-003	1.5274e-004
tblFleetMix	UBUS	1.7750e-003	1.5274e-004
tblFleetMix	UBUS	1.7750e-003	1.5274e-004
tblLandUse	BuildingSpaceSquareFeet	12,180.00	12,175.00
tblLandUse	BuildingSpaceSquareFeet	242,120.00	242,119.00
tblLandUse	BuildingSpaceSquareFeet	113,600.00	113,602.00
tblLandUse	BuildingSpaceSquareFeet	1,812,096.00	0.00
tblLandUse	BuildingSpaceSquareFeet	1,833,876.00	0.00
tblLandUse	BuildingSpaceSquareFeet	0.00	11,601.00
tblLandUse	BuildingSpaceSquareFeet	53,980.00	53,984.00
tblLandUse	BuildingSpaceSquareFeet	1,723,015.80	327,773.00
tblLandUse	BuildingSpaceSquareFeet	80,000.00	79,958.00
tblLandUse	BuildingSpaceSquareFeet	110,000.00	61,500.00
tblLandUse	BuildingSpaceSquareFeet	8,580.00	8,583.00
tblLandUse	BuildingSpaceSquareFeet	2,823.50	6,422.00
tblLandUse	BuildingSpaceSquareFeet	352,520.00	352,517.00
tblLandUse	GreenSpaceSquareFeet	993,168.00	0.00
tblLandUse	LandUseSquareFeet	12,180.00	12,175.00
tblLandUse	LandUseSquareFeet	242,120.00	242,119.00
tblLandUse	LandUseSquareFeet	113,600.00	113,602.00
tblLandUse	LandUseSquareFeet	1,812,096.00	0.00
tblLandUse	LandUseSquareFeet	1,833,876.00	0.00
tblLandUse	LandUseSquareFeet	993,168.00	11,601.00
tblLandUse	LandUseSquareFeet	53,980.00	53,984.00

tblLandUse	LandUseSquareFeet	1,723,015.80	327,773.00
tblLandUse	LandUseSquareFeet	80,000.00	79,958.00
tblLandUse	LandUseSquareFeet	110,000.00	61,500.00
tblLandUse	LandUseSquareFeet	8,580.00	8,583.00
tblLandUse	LandUseSquareFeet	2,823.50	6,422.00
tblLandUse	LandUseSquareFeet	352,520.00	352,517.00
tblLandUse	LotAcreage	0.28	1.30
tblLandUse	LotAcreage	5.56	12.80
tblLandUse	LotAcreage	2.61	7.60
tblLandUse	LotAcreage	0.27	3.51
tblLandUse	LotAcreage	1.24	3.76
tblLandUse	LotAcreage	39.55	14.50
tblLandUse	LotAcreage	58.81	42.90
tblLandUse	LotAcreage	12.06	13.10
tblLandUse	LotAcreage	5.00	1.80
tblLandUse	LotAcreage	42.33	32.40
tblLandUse	LotAcreage	22.00	1.17
tblLandUse	LotAcreage	2.27	0.66
tblLandUse	LotAcreage	0.20	7.61
tblLandUse	LotAcreage	0.06	1.62
tblLandUse	LotAcreage	8.09	31.60
tblProjectCharacteristics	OperationalYear	2018	2016
tblSolidWaste	SolidWasteGenerationRate	432.86	662.00
tblSolidWaste	SolidWasteGenerationRate	32.78	662.00
tblSolidWaste	SolidWasteGenerationRate	1.96	662.00
tblSolidWaste	SolidWasteGenerationRate	88.78	662.00
tblSolidWaste	SolidWasteGenerationRate	73.00	662.00

tblSolidWaste	SolidWasteGenerationRate	10.78	662.00
tblSolidWaste	SolidWasteGenerationRate	11.33	662.00
tblSolidWaste	SolidWasteGenerationRate	307.69	662.00
tblSolidWaste	SolidWasteGenerationRate	2,614.90	662.00
tblSolidWaste	SolidWasteGenerationRate	1,226.88	662.00
tblSolidWaste	SolidWasteGenerationRate	154.56	662.00
tblSolidWaste	SolidWasteGenerationRate	481.25	662.00
tblSolidWaste	SolidWasteGenerationRate	67.77	662.00
tblSolidWaste	SolidWasteGenerationRate	50.60	662.00
tblSolidWaste	SolidWasteGenerationRate	8.20	662.00
tblSolidWaste	SolidWasteGenerationRate	370.15	662.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	79.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	64.10	100.00
tblVehicleTrips	CC_TTP	16.10	100.00

tblVehicleTrips	CC_TTP	51.40	100.00
tblVehicleTrips	CC_TTP	62.00	100.00
tblVehicleTrips	CC_TTP	95.00	100.00
tblVehicleTrips	CC_TTP	64.40	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
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tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00

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tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
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tblVehicleTrips	CW_TTP	16.90	0.00
tblVehicleTrips	CW_TTP	64.90	0.00
tblVehicleTrips	CW_TTP	29.60	0.00
tblVehicleTrips	CW_TTP	19.00	0.00
tblVehicleTrips	CW_TTP	16.60	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	27.00	0.00
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tblVehicleTrips	DV_TP	39.00	0.00
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tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00

tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
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tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00

tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	7.00
tblVehicleTrips	HW_TL	14.70	7.00
tblVehicleTrips	HW_TL	14.70	7.00
tblVehicleTrips	HW_TL	14.70	7.00
tblVehicleTrips	HW_TL	14.70	7.00
tblVehicleTrips	HW_TL	14.70	7.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	HW_TTP	40.20	100.00
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tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	59.00	0.00
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tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00

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tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	21.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
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tblVehicleTrips	PR_TP	58.00	100.00
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tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	7.16	1.35
tblVehicleTrips	ST_TR	23.72	147.74
tblVehicleTrips	ST_TR	22.75	55.62
tblVehicleTrips	ST_TR	5.67	6.57
tblVehicleTrips	ST_TR	2.20	15.85
tblVehicleTrips	ST_TR	168.56	63.40
tblVehicleTrips	ST_TR	2.46	104.15
tblVehicleTrips	ST_TR	20.87	23.49

tblVehicleTrips	ST_TR	10.18	5.24
tblVehicleTrips	ST_TR	8.96	11.16
tblVehicleTrips	ST_TR	5.00	3.77
tblVehicleTrips	ST_TR	5.63	1.44
tblVehicleTrips	ST_TR	10.37	106.65
tblVehicleTrips	ST_TR	2.03	11.53
tblVehicleTrips	ST_TR	9.91	181.15
tblVehicleTrips	ST_TR	42.04	3.60
tblVehicleTrips	SU_TR	6.07	1.35
tblVehicleTrips	SU_TR	11.88	147.74
tblVehicleTrips	SU_TR	16.74	55.62
tblVehicleTrips	SU_TR	4.84	6.57
tblVehicleTrips	SU_TR	2.44	15.85
tblVehicleTrips	SU_TR	168.56	63.40
tblVehicleTrips	SU_TR	1.05	104.15
tblVehicleTrips	SU_TR	26.73	23.49
tblVehicleTrips	SU_TR	8.91	5.24
tblVehicleTrips	SU_TR	1.55	11.16
tblVehicleTrips	SU_TR	4.36	3.77
tblVehicleTrips	SU_TR	5.63	1.44
tblVehicleTrips	SU_TR	36.63	106.65
tblVehicleTrips	SU_TR	1.95	11.53
tblVehicleTrips	SU_TR	8.62	181.15
tblVehicleTrips	SU_TR	20.43	3.60
tblVehicleTrips	WD_TR	6.59	1.35
tblVehicleTrips	WD_TR	23.72	147.74
tblVehicleTrips	WD_TR	1.89	55.62

tblVehicleTrips	WD_TR	5.81	6.57
tblVehicleTrips	WD_TR	2.74	15.85
tblVehicleTrips	WD_TR	168.56	63.40
tblVehicleTrips	WD_TR	11.03	104.15
tblVehicleTrips	WD_TR	32.93	23.49
tblVehicleTrips	WD_TR	13.22	5.24
tblVehicleTrips	WD_TR	36.13	11.16
tblVehicleTrips	WD_TR	4.99	3.77
tblVehicleTrips	WD_TR	5.63	1.44
tblVehicleTrips	WD_TR	9.11	106.65
tblVehicleTrips	WD_TR	2.40	11.53
tblVehicleTrips	WD_TR	9.52	181.15
tblVehicleTrips	WD_TR	44.32	3.60
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
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tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	IndoorWaterUseRate	61,309,938.11	6,759,640.00
tblWater	IndoorWaterUseRate	807,215.90	6,759,640.00
tblWater	IndoorWaterUseRate	0.00	6,759,640.00
tblWater	IndoorWaterUseRate	12,574,726.94	6,759,640.00
tblWater	IndoorWaterUseRate	5,212,322.05	6,759,640.00

tbiWater	IndoorWaterUseRate	265,637.78	6,759,640.00
tbiWater	IndoorWaterUseRate	2,164,797.05	6,759,640.00
tbiWater	IndoorWaterUseRate	3,192,546.92	6,759,640.00
tbiWater	IndoorWaterUseRate	30,381,347.75	6,759,640.00
tbiWater	IndoorWaterUseRate	14,254,589.07	6,759,640.00
tbiWater	IndoorWaterUseRate	21,891,752.61	6,759,640.00
tbiWater	IndoorWaterUseRate	22,297,390.83	6,759,640.00
tbiWater	IndoorWaterUseRate	372,025.12	6,759,640.00
tbiWater	IndoorWaterUseRate	7,166,942.82	6,759,640.00
tbiWater	IndoorWaterUseRate	456,078.18	6,759,640.00
tbiWater	IndoorWaterUseRate	26,112,045.27	6,759,640.00
tbiWater	OutdoorWaterUseRate	38,651,917.50	10,662,243.00
tbiWater	OutdoorWaterUseRate	494,745.23	10,662,243.00
tbiWater	OutdoorWaterUseRate	27,165,774.77	10,662,243.00
tbiWater	OutdoorWaterUseRate	7,927,545.25	10,662,243.00
tbiWater	OutdoorWaterUseRate	3,286,029.12	10,662,243.00
tbiWater	OutdoorWaterUseRate	162,810.25	10,662,243.00
tbiWater	OutdoorWaterUseRate	1,326,811.10	10,662,243.00
tbiWater	OutdoorWaterUseRate	1,956,722.30	10,662,243.00
tbiWater	OutdoorWaterUseRate	5,786,923.38	10,662,243.00
tbiWater	OutdoorWaterUseRate	2,715,159.82	10,662,243.00
tbiWater	OutdoorWaterUseRate	13,801,322.30	10,662,243.00
tbiWater	OutdoorWaterUseRate	2,477,487.87	10,662,243.00
tbiWater	OutdoorWaterUseRate	581,885.44	10,662,243.00
tbiWater	OutdoorWaterUseRate	4,518,290.04	10,662,243.00
tbiWater	OutdoorWaterUseRate	287,527.55	10,662,243.00
tbiWater	OutdoorWaterUseRate	16,004,156.78	10,662,243.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
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tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
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tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	47.05	0.00
tblWoodstoves	NumberCatalytic	9.65	0.00
tblWoodstoves	NumberCatalytic	4.00	0.00
tblWoodstoves	NumberCatalytic	16.80	0.00
tblWoodstoves	NumberCatalytic	5.50	0.00
tblWoodstoves	NumberCatalytic	0.35	0.00
tblWoodstoves	NumberNoncatalytic	47.05	0.00
tblWoodstoves	NumberNoncatalytic	9.65	0.00
tblWoodstoves	NumberNoncatalytic	4.00	0.00

tblWoodstoves	NumberNoncatalytic	16.80	0.00
tblWoodstoves	NumberNoncatalytic	5.50	0.00
tblWoodstoves	NumberNoncatalytic	0.35	0.00

2.0 Emissions Summary

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	219.7625	26.5024	315.8013	0.4185		25.4060	25.4060		25.4060	25.4060	2,238.5709	29,810.3837	32,048.9545	0.8201	0.7395	32,289.8269
Energy	1.6386	14.5114	9.6872	0.0894		1.1322	1.1322		1.1322	1.1322		17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490
Mobile	40.1327	70.7715	473.3407	1.1614	108.0746	0.9158	108.9904	28.6699	0.8530	29.5229		116,041.5404	116,041.5404	4.8510		116,162.8160
Total	261.5338	111.7853	798.8293	1.6692	108.0746	27.4539	135.5286	28.6699	27.3912	56.0611	2,238.5709	163,728.0442	165,966.6151	6.0137	1.0672	166,434.9919

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	219.7625	26.5024	315.8013	0.4185		25.4060	25.4060		25.4060	25.4060	2,238.5709	29,810.3837	32,048.9545	0.8201	0.7395	32,289.8269

Energy	1.6386	14.5114	9.6872	0.0894		1.1322	1.1322		1.1322	1.1322		17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490
Mobile	40.1327	70.7715	473.3407	1.1614	108.0746	0.9158	108.9904	28.6699	0.8530	29.5229		116,041.5404	116,041.5404	4.8510		116,162.8160
Total	261.5338	111.7853	798.8293	1.6692	108.0746	27.4539	135.5286	28.6699	27.3912	56.0611	2,238.5709	163,728.0442	165,966.6151	6.0137	1.0672	166,434.9919

	ROG	NOx	CO	SO2	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

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	40.1327	70.7715	473.3407	1.1614	108.0746	0.9158	108.9904	28.6699	0.8530	29.5229		116,041.5404	116,041.5404	4.8510		116,162.8160
Unmitigated	40.1327	70.7715	473.3407	1.1614	108.0746	0.9158	108.9904	28.6699	0.8530	29.5229		116,041.5404	116,041.5404	4.8510		116,162.8160

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,270.35	1,270.35	1270.35	3,236,852	3,236,852

Automobile Care Center	1,267.61	1,267.61	1267.61	3,229,868	3,229,868
City Park	1,268.14	1,268.14	1268.14	3,231,211	3,231,211
Condo/Townhouse	1,268.01	1,268.01	1268.01	3,230,889	3,230,889
Congregate Care (Assisted Living)	1,268.00	1,268.00	1268.00	3,230,864	3,230,864
Gasoline/Service Station	1,268.00	1,268.00	1268.00	3,230,864	3,230,864
General Office Building	1,268.55	1,268.55	1268.55	3,232,258	3,232,258
Health Club	1,267.99	1,267.99	1267.99	3,230,839	3,230,839
Hospital	1,268.71	1,268.71	1268.71	3,232,670	3,232,670
Medical Office Building	1,267.78	1,267.78	1267.78	3,230,293	3,230,293
Mobile Home Park	1,266.72	1,266.72	1266.72	3,227,603	3,227,603
Motel	1,265.76	1,265.76	1265.76	3,225,156	3,225,156
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Place of Worship	1,268.07	1,268.07	1268.07	3,231,039	3,231,039
Retirement Community	1,268.30	1,268.30	1268.30	3,231,628	3,231,628
Single Family Housing	1,268.05	1,268.05	1268.05	3,230,991	3,230,991
Strip Mall	1,269.07	1,269.07	1269.07	3,233,595	3,233,595
Total	20,289.10	20,289.10	20,289.10	51,696,621	51,696,621

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 Low Rise	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Automobile Care Center	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
City Park	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Condo/Townhouse	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Congregate Care (Assisted Living)	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Gasoline/Service Station	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Health Club	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Hospital	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Medical Office Building	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Mobile Home Park	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Motel	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Place of Worship	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Retirement Community	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Single Family Housing	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Strip Mall	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Automobile Care Center	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
City Park	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Condo/Townhouse	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Congregate Care (Assisted Living)	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Gasoline/Service Station	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
General Office Building	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Health Club	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Hospital	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Medical Office Building	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Mobile Home Park	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Motel	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Other Asphalt Surfaces	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Other Non-Asphalt Surfaces	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Place of Worship	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Retirement Community	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Single Family Housing	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Strip Mall	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102

5.0 Energy Detail

Historical Energy Use: Y

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	1.6386	14.5114	9.6872	0.0894		1.1322	1.1322		1.1322	1.1322			17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490
NaturalGas Unmitigated	1.6386	14.5114	9.6872	0.0894		1.1322	1.1322		1.1322	1.1322			17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490

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						
Apartments Low Rise	30054.1	0.3241	2.7697	1.1786	0.0177		0.2239	0.2239		0.2239	0.2239			3,535.7730	3,535.7730	0.0678	0.0648	3,556.7843
Automobile Care Center	519.683	5.6000e-003	0.0510	0.0428	3.1000e-004		3.8700e-003	3.8700e-003		3.8700e-003	3.8700e-003			61.1392	61.1392	1.1700e-003	1.1200e-003	61.5025
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	8880.22	0.0958	0.8184	0.3482	5.2200e-003		0.0662	0.0662		0.0662	0.0662			1,044.7319	1,044.7319	0.0200	0.0192	1,050.9402
Congregate Care (Assisted Living)	2002.64	0.0216	0.1846	0.0785	1.1800e-003		0.0149	0.0149		0.0149	0.0149			235.6048	235.6048	4.5200e-003	4.3200e-003	237.0049

Gasoline/Service Station	388.839	4.1900e-003	0.0381	0.0320	2.3000e-004	2.9000e-003	2.9000e-003	2.9000e-003	2.9000e-003	45.7458	45.7458	8.8000e-004	8.4000e-004	46.0176
General Office Building	361.247	3.9000e-003	0.0354	0.0298	2.1000e-004	2.6900e-003	2.6900e-003	2.6900e-003	2.6900e-003	42.4997	42.4997	8.1000e-004	7.8000e-004	42.7522
Health Club	3268.62	0.0353	0.3205	0.2692	1.9200e-003	0.0244	0.0244	0.0244	0.0244	384.5436	384.5436	7.3700e-003	7.0500e-003	386.8287
Hospital	43223.2	0.4661	4.2376	3.5596	0.0254	0.3221	0.3221	0.3221	0.3221	5,085.0843	5,085.0843	0.0975	0.0932	5,115.3024
Medical Office Building	3370.71	0.0364	0.3305	0.2776	1.9800e-003	0.0251	0.0251	0.0251	0.0251	396.5543	396.5543	7.6000e-003	7.2700e-003	398.9108
Mobile Home Park	18911.9	0.2040	1.7429	0.7416	0.0111	0.1409	0.1409	0.1409	0.1409	2,224.9243	2,224.9243	0.0426	0.0408	2,238.1459
Motel	32543.8	0.3510	3.1906	2.6801	0.0191	0.2425	0.2425	0.2425	0.2425	3,828.6845	3,828.6845	0.0734	0.0702	3,851.4364
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	719.915	7.7600e-003	0.0706	0.0593	4.2000e-004	5.3600e-003	5.3600e-003	5.3600e-003	5.3600e-003	84.6959	84.6959	1.6200e-003	1.5500e-003	85.1992
Retirement Community	5061.27	0.0546	0.4664	0.1985	2.9800e-003	0.0377	0.0377	0.0377	0.0377	595.4430	595.4430	0.0114	0.0109	598.9815
Single Family Housing	603.078	6.5000e-003	0.0556	0.0237	3.5000e-004	4.4900e-003	4.4900e-003	4.4900e-003	4.4900e-003	70.9504	70.9504	1.3600e-003	1.3000e-003	71.3720
Strip Mall	2037.84	0.0220	0.1998	0.1678	1.2000e-003	0.0152	0.0152	0.0152	0.0152	239.7457	239.7457	4.6000e-003	4.4000e-003	241.1703
Total		1.6386	14.5114	9.6872	0.0894	1.1321	1.1321	1.1321	1.1321	17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490

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					

Apartments Low Rise	30.0541	0.3241	2.7697	1.1786	0.0177		0.2239	0.2239		0.2239	0.2239		3,535.7730	3,535.7730	0.0678	0.0648	3,556.7843
Automobile Care Center	0.519683	5.6000e-003	0.0510	0.0428	3.1000e-004		3.8700e-003	3.8700e-003		3.8700e-003	3.8700e-003		61.1392	61.1392	1.1700e-003	1.1200e-003	61.5025
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	8.88022	0.0958	0.8184	0.3482	5.2200e-003		0.0662	0.0662		0.0662	0.0662		1,044.7319	1,044.7319	0.0200	0.0192	1,050.9402
Congregate Care (Assisted Living)	2.00264	0.0216	0.1846	0.0785	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6048	235.6048	4.5200e-003	4.3200e-003	237.0049
Gasoline/Service Station	0.388839	4.1900e-003	0.0381	0.0320	2.3000e-004		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003		45.7458	45.7458	8.8000e-004	8.4000e-004	46.0176
General Office Building	0.361247	3.9000e-003	0.0354	0.0298	2.1000e-004		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003		42.4997	42.4997	8.1000e-004	7.8000e-004	42.7522
Health Club	3.26862	0.0353	0.3205	0.2692	1.9200e-003		0.0244	0.0244		0.0244	0.0244		384.5436	384.5436	7.3700e-003	7.0500e-003	386.8287
Hospital	43.2232	0.4661	4.2376	3.5596	0.0254		0.3221	0.3221		0.3221	0.3221		5,085.0843	5,085.0843	0.0975	0.0932	5,115.3024
Medical Office Building	3.37071	0.0364	0.3305	0.2776	1.9800e-003		0.0251	0.0251		0.0251	0.0251		396.5543	396.5543	7.6000e-003	7.2700e-003	398.9108
Mobile Home Park	18.9119	0.2040	1.7429	0.7416	0.0111		0.1409	0.1409		0.1409	0.1409		2,224.9243	2,224.9243	0.0426	0.0408	2,238.1459
Motel	32.5438	0.3510	3.1906	2.6801	0.0191		0.2425	0.2425		0.2425	0.2425		3,828.6845	3,828.6845	0.0734	0.0702	3,851.4364
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.719915	7.7600e-003	0.0706	0.0593	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003		84.6959	84.6959	1.6200e-003	1.5500e-003	85.1992
Retirement Community	5.06127	0.0546	0.4664	0.1985	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.4430	595.4430	0.0114	0.0109	598.9815
Single Family Housing	0.603078	6.5000e-003	0.0556	0.0237	3.5000e-004		4.4900e-003	4.4900e-003		4.4900e-003	4.4900e-003		70.9504	70.9504	1.3600e-003	1.3000e-003	71.3720
Strip Mall	2.03784	0.0220	0.1998	0.1678	1.2000e-003		0.0152	0.0152		0.0152	0.0152		239.7457	239.7457	4.6000e-003	4.4000e-003	241.1703
Total		1.6386	14.5114	9.6872	0.0894		1.1321	1.1321		1.1321	1.1321		17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	219.7625	26.5024	315.8013	0.4185		25.4060	25.4060		25.4060	25.4060	2,238.5709	29,810.3837	32,048.9545	0.8201	0.7395	32,289.8269
Unmitigated	219.7625	26.5024	315.8013	0.4185		25.4060	25.4060		25.4060	25.4060	2,238.5709	29,810.3837	32,048.9545	0.8201	0.7395	32,289.8269

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	5.7963					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	56.0721					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	153.4842	24.8690	176.1668	0.4112		24.6530	24.6530		24.6530	24.6530	2,238.5709	29,562.3529	31,800.9238	0.5666	0.7395	32,035.4594
Landscaping	4.4099	1.6333	139.6345	7.2800e-003		0.7530	0.7530		0.7530	0.7530		248.0307	248.0307	0.2535		254.3676

Total	219.7625	26.5024	315.8013	0.4185		25.4060	25.4060		25.4060	25.4060	2,238.5709	29,810.3837	32,048.9545	0.8201	0.7395	32,289.8269
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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	5.7963					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	56.0721					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	153.4842	24.8690	176.1668	0.4112		24.6530	24.6530		24.6530	24.6530	2,238.5709	29,562.3529	31,800.9238	0.5666	0.7395	32,035.4594
Landscaping	4.4099	1.6333	139.6345	7.2800e-003		0.7530	0.7530		0.7530	0.7530		248.0307	248.0307	0.2535		254.3676
Total	219.7625	26.5024	315.8013	0.4185		25.4060	25.4060		25.4060	25.4060	2,238.5709	29,810.3837	32,048.9545	0.8201	0.7395	32,289.8269

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 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Operation - Existing - Orange County, Annual

Operation - Existing
Orange County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	12.18	1000sqft	1.30	12,175.00	0
Hospital	242.12	1000sqft	12.80	242,119.00	0
Medical Office Building	113.60	1000sqft	7.60	113,602.00	0
Place of Worship	11.89	1000sqft	3.51	11,890.00	0
Other Asphalt Surfaces	41.60	Acre	41.60	0.00	0
Other Non-Asphalt Surfaces	42.10	Acre	42.10	0.00	0
City Park	22.80	Acre	22.80	11,601.00	0
Health Club	53.98	1000sqft	3.76	53,984.00	0
Motel	879.00	Room	14.50	327,773.00	0
Apartments Low Rise	941.00	Dwelling Unit	42.90	941,000.00	2691
Condo/Townhouse	193.00	Dwelling Unit	13.10	193,000.00	552
Congregate Care (Assisted Living)	80.00	Dwelling Unit	1.80	79,958.00	229
Mobile Home Park	336.00	Dwelling Unit	32.40	403,200.00	961
Retirement Community	110.00	Dwelling Unit	1.17	61,500.00	315
Single Family Housing	7.00	Dwelling Unit	0.66	12,600.00	20
Automobile Care Center	8.58	1000sqft	7.61	8,583.00	0
Gasoline/Service Station	20.00	Pump	1.62	6,422.00	0
Strip Mall	352.52	1000sqft	31.60	352,517.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2016
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MW hr)	1543.28	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on existing land uses.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Woodstoves - Assumes no woodstoves.

Energy Use - .

Water And Wastewater - Based on information provided by Fuscoe Engineering, Inc. For purposes of this analysis, water use is equally proportioned among the land uses.

Solid Waste - See Utilities and Service Systems chapter of the DEIR for further details. For purposes of this analysis, solid waste amounts are equally proportioned.

Fleet Mix - Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Highway 90 south of Lincoln Avenue.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	330.00	1.00
tblFireplaces	NumberGas	799.85	846.90
tblFireplaces	NumberGas	68.00	0.00
tblFireplaces	NumberNoFireplace	8.00	80.00
tblFireplaces	NumberWood	47.05	0.00
tblFireplaces	NumberWood	4.00	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise

tblFleetMix	FleetMixLandUseSubType	Hospital	Automobile Care Center
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	City Park
tblFleetMix	FleetMixLandUseSubType	Place of Worship	Condo/Townhouse
tblFleetMix	FleetMixLandUseSubType	Other Asphalt Surfaces	Congregate Care (Assisted Living)
tblFleetMix	FleetMixLandUseSubType	Other Non-Asphalt Surfaces	Gasoline/Service Station
tblFleetMix	FleetMixLandUseSubType	City Park	General Office Building
tblFleetMix	FleetMixLandUseSubType	Motel	Hospital
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Condo/Townhouse	Mobile Home Park
tblFleetMix	FleetMixLandUseSubType	Congregate Care (Assisted Living)	Motel
tblFleetMix	FleetMixLandUseSubType	Mobile Home Park	Other Asphalt Surfaces
tblFleetMix	FleetMixLandUseSubType	Retirement Community	Other Non-Asphalt Surfaces
tblFleetMix	FleetMixLandUseSubType	Single Family Housing	Place of Worship
tblFleetMix	FleetMixLandUseSubType	Automobile Care Center	Retirement Community
tblFleetMix	FleetMixLandUseSubType	Gasoline/Service Station	Single Family Housing
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003
tblFleetMix	HHD	0.01	5.9670e-003

tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MCY	4.6870e-003	5.6699e-003
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tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MCY	4.6870e-003	5.6699e-003
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
tblFleetMix	MDV	0.13	0.02
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tblFleetMix	MH	1.1870e-003	1.0214e-004
tblFleetMix	MH	1.1870e-003	1.0214e-004

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tblFleetMix	MH	1.1870e-003	1.0214e-004
tblFleetMix	MH	1.1870e-003	1.0214e-004
tblFleetMix	MH	1.1870e-003	1.0214e-004
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tblFleetMix	MH	1.1870e-003	1.0214e-004
tblFleetMix	MH	1.1870e-003	1.0214e-004
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tblFleetMix	MH	1.1870e-003	1.0214e-004
tblFleetMix	MH	1.1870e-003	1.0214e-004
tblFleetMix	MH	1.1870e-003	1.0214e-004
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tblFleetMix	MHD	0.02	1.9820e-003

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tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003
tblFleetMix	MHD	0.02	1.9820e-003
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tblFleetMix	SBUS	5.6400e-004	4.9000e-005
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tblFleetMix	UBUS	1.7750e-003	1.5274e-004
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tblLandUse	BuildingSpaceSquareFeet	242,120.00	242,119.00
tblLandUse	BuildingSpaceSquareFeet	113,600.00	113,602.00
tblLandUse	BuildingSpaceSquareFeet	1,812,096.00	0.00
tblLandUse	BuildingSpaceSquareFeet	1,833,876.00	0.00
tblLandUse	BuildingSpaceSquareFeet	0.00	11,601.00
tblLandUse	BuildingSpaceSquareFeet	53,980.00	53,984.00
tblLandUse	BuildingSpaceSquareFeet	1,723,015.80	327,773.00
tblLandUse	BuildingSpaceSquareFeet	80,000.00	79,958.00
tblLandUse	BuildingSpaceSquareFeet	110,000.00	61,500.00
tblLandUse	BuildingSpaceSquareFeet	8,580.00	8,583.00
tblLandUse	BuildingSpaceSquareFeet	2,823.50	6,422.00
tblLandUse	BuildingSpaceSquareFeet	352,520.00	352,517.00
tblLandUse	GreenSpaceSquareFeet	993,168.00	0.00
tblLandUse	LandUseSquareFeet	12,180.00	12,175.00
tblLandUse	LandUseSquareFeet	242,120.00	242,119.00
tblLandUse	LandUseSquareFeet	113,600.00	113,602.00
tblLandUse	LandUseSquareFeet	1,812,096.00	0.00
tblLandUse	LandUseSquareFeet	1,833,876.00	0.00
tblLandUse	LandUseSquareFeet	993,168.00	11,601.00
tblLandUse	LandUseSquareFeet	53,980.00	53,984.00

tblLandUse	LandUseSquareFeet	1,723,015.80	327,773.00
tblLandUse	LandUseSquareFeet	80,000.00	79,958.00
tblLandUse	LandUseSquareFeet	110,000.00	61,500.00
tblLandUse	LandUseSquareFeet	8,580.00	8,583.00
tblLandUse	LandUseSquareFeet	2,823.50	6,422.00
tblLandUse	LandUseSquareFeet	352,520.00	352,517.00
tblLandUse	LotAcreage	0.28	1.30
tblLandUse	LotAcreage	5.56	12.80
tblLandUse	LotAcreage	2.61	7.60
tblLandUse	LotAcreage	0.27	3.51
tblLandUse	LotAcreage	1.24	3.76
tblLandUse	LotAcreage	39.55	14.50
tblLandUse	LotAcreage	58.81	42.90
tblLandUse	LotAcreage	12.06	13.10
tblLandUse	LotAcreage	5.00	1.80
tblLandUse	LotAcreage	42.33	32.40
tblLandUse	LotAcreage	22.00	1.17
tblLandUse	LotAcreage	2.27	0.66
tblLandUse	LotAcreage	0.20	7.61
tblLandUse	LotAcreage	0.06	1.62
tblLandUse	LotAcreage	8.09	31.60
tblProjectCharacteristics	OperationalYear	2018	2016
tblSolidWaste	SolidWasteGenerationRate	432.86	662.00
tblSolidWaste	SolidWasteGenerationRate	32.78	662.00
tblSolidWaste	SolidWasteGenerationRate	1.96	662.00
tblSolidWaste	SolidWasteGenerationRate	88.78	662.00
tblSolidWaste	SolidWasteGenerationRate	73.00	662.00

tblSolidWaste	SolidWasteGenerationRate	10.78	662.00
tblSolidWaste	SolidWasteGenerationRate	11.33	662.00
tblSolidWaste	SolidWasteGenerationRate	307.69	662.00
tblSolidWaste	SolidWasteGenerationRate	2,614.90	662.00
tblSolidWaste	SolidWasteGenerationRate	1,226.88	662.00
tblSolidWaste	SolidWasteGenerationRate	154.56	662.00
tblSolidWaste	SolidWasteGenerationRate	481.25	662.00
tblSolidWaste	SolidWasteGenerationRate	67.77	662.00
tblSolidWaste	SolidWasteGenerationRate	50.60	662.00
tblSolidWaste	SolidWasteGenerationRate	8.20	662.00
tblSolidWaste	SolidWasteGenerationRate	370.15	662.00
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tblVehicleTrips	CC_TL	8.40	7.00
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tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	79.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	64.10	100.00
tblVehicleTrips	CC_TTP	16.10	100.00

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tblVehicleTrips	CC_TTP	95.00	100.00
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tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
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tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
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tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00

tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
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tblVehicleTrips	CW_TTP	33.00	0.00
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tblVehicleTrips	CW_TTP	29.60	0.00
tblVehicleTrips	CW_TTP	19.00	0.00
tblVehicleTrips	CW_TTP	16.60	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
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tblVehicleTrips	DV_TP	11.00	0.00

tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
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tblVehicleTrips	HO_TL	8.70	0.00
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tblVehicleTrips	ST_TR	22.75	55.62
tblVehicleTrips	ST_TR	5.67	6.57
tblVehicleTrips	ST_TR	2.20	15.85
tblVehicleTrips	ST_TR	168.56	63.40
tblVehicleTrips	ST_TR	2.46	104.15
tblVehicleTrips	ST_TR	20.87	23.49

tblVehicleTrips	ST_TR	10.18	5.24
tblVehicleTrips	ST_TR	8.96	11.16
tblVehicleTrips	ST_TR	5.00	3.77
tblVehicleTrips	ST_TR	5.63	1.44
tblVehicleTrips	ST_TR	10.37	106.65
tblVehicleTrips	ST_TR	2.03	11.53
tblVehicleTrips	ST_TR	9.91	181.15
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tblVehicleTrips	SU_TR	4.84	6.57
tblVehicleTrips	SU_TR	2.44	15.85
tblVehicleTrips	SU_TR	168.56	63.40
tblVehicleTrips	SU_TR	1.05	104.15
tblVehicleTrips	SU_TR	26.73	23.49
tblVehicleTrips	SU_TR	8.91	5.24
tblVehicleTrips	SU_TR	1.55	11.16
tblVehicleTrips	SU_TR	4.36	3.77
tblVehicleTrips	SU_TR	5.63	1.44
tblVehicleTrips	SU_TR	36.63	106.65
tblVehicleTrips	SU_TR	1.95	11.53
tblVehicleTrips	SU_TR	8.62	181.15
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tblVehicleTrips	WD_TR	6.59	1.35
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tblVehicleTrips	WD_TR	1.89	55.62

tblVehicleTrips	WD_TR	5.81	6.57
tblVehicleTrips	WD_TR	2.74	15.85
tblVehicleTrips	WD_TR	168.56	63.40
tblVehicleTrips	WD_TR	11.03	104.15
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tblVehicleTrips	WD_TR	13.22	5.24
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tblVehicleTrips	WD_TR	9.11	106.65
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tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
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tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
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tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
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tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
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tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
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tblWater	IndoorWaterUseRate	265,637.78	6,759,640.00
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tblWater	IndoorWaterUseRate	456,078.18	6,759,640.00
tblWater	IndoorWaterUseRate	26,112,045.27	6,759,640.00
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tblWater	OutdoorWaterUseRate	494,745.23	10,662,243.00
tblWater	OutdoorWaterUseRate	27,165,774.77	10,662,243.00
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tblWater	OutdoorWaterUseRate	3,286,029.12	10,662,243.00
tblWater	OutdoorWaterUseRate	162,810.25	10,662,243.00
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tblWater	OutdoorWaterUseRate	1,956,722.30	10,662,243.00
tblWater	OutdoorWaterUseRate	5,786,923.38	10,662,243.00
tblWater	OutdoorWaterUseRate	2,715,159.82	10,662,243.00
tblWater	OutdoorWaterUseRate	13,801,322.30	10,662,243.00
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tblWater	OutdoorWaterUseRate	581,885.44	10,662,243.00
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tblWoodstoves	NumberCatalytic	0.35	0.00
tblWoodstoves	NumberNoncatalytic	47.05	0.00
tblWoodstoves	NumberNoncatalytic	9.65	0.00
tblWoodstoves	NumberNoncatalytic	4.00	0.00

tblWoodstoves	NumberNoncatalytic	16.80	0.00
tblWoodstoves	NumberNoncatalytic	5.50	0.00
tblWoodstoves	NumberNoncatalytic	0.35	0.00

2.0 Emissions Summary

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	13.7608	0.5150	19.6564	6.0500e-003		0.4023	0.4023		0.4023	0.4023	25.3850	363.3577	388.7426	0.0352	8.3900e-003	392.1208
Energy	0.2991	2.6483	1.7679	0.0163		0.2066	0.2066		0.2066	0.2066	0.0000	18,398.118	18,398.118	0.3468	0.1143	18,440.8385
Mobile	7.0048	13.1329	87.2181	0.2143	19.3185	0.1659	19.4844	5.1318	0.1545	5.2863	0.0000	19,424.4004	19,424.4004	0.8021	0.0000	19,444.4517
Waste						0.0000	0.0000		0.0000	0.0000	2,150.0803	0.0000	2,150.0803	127.0661	0.0000	5,326.7329
Water						0.0000	0.0000		0.0000	0.0000	38.2651	2,312.5839	2,350.8490	0.1752	0.0922	2,382.7051
Total	21.0646	16.2962	108.6424	0.2367	19.3185	0.7748	20.0933	5.1318	0.7634	5.8952	2,213.7304	40,498.4537	42,712.1841	128.4253	0.2149	45,986.8490

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	13.7608	0.5150	19.6564	6.0500e-003		0.4023	0.4023		0.4023	0.4023	25.3850	363.3577	388.7426	0.0352	8.3900e-003	392.1208
Energy	0.2991	2.6483	1.7679	0.0163		0.2066	0.2066		0.2066	0.2066	0.0000	18,398.118	18,398.1118	0.3468	0.1143	18,440.8385
Mobile	7.0048	13.1329	87.2181	0.2143	19.3185	0.1659	19.4844	5.1318	0.1545	5.2863	0.0000	19,424.404	19,424.4004	0.8021	0.0000	19,444.4517
Waste						0.0000	0.0000		0.0000	0.0000	2,150.0803	0.0000	2,150.0803	127.0661	0.0000	5,326.7329
Water						0.0000	0.0000		0.0000	0.0000	38.2651	2,312.5839	2,350.8490	0.1752	0.0922	2,382.7051
Total	21.0646	16.2962	108.6424	0.2367	19.3185	0.7748	20.0933	5.1318	0.7634	5.8952	2,213.7304	40,498.4537	42,712.1841	128.4253	0.2149	45,986.8490

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.0048	13.1329	87.2181	0.2143	19.3185	0.1659	19.4844	5.1318	0.1545	5.2863	0.0000	19,424.404	19,424.4004	0.8021	0.0000	19,444.4517
Unmitigated	7.0048	13.1329	87.2181	0.2143	19.3185	0.1659	19.4844	5.1318	0.1545	5.2863	0.0000	19,424.404	19,424.4004	0.8021	0.0000	19,444.4517

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,270.35	1,270.35	1270.35	3,236,852	3,236,852
Automobile Care Center	1,267.61	1,267.61	1267.61	3,229,868	3,229,868
City Park	1,268.14	1,268.14	1268.14	3,231,211	3,231,211
Condo/Townhouse	1,268.01	1,268.01	1268.01	3,230,889	3,230,889
Congregate Care (Assisted Living)	1,268.00	1,268.00	1268.00	3,230,864	3,230,864
Gasoline/Service Station	1,268.00	1,268.00	1268.00	3,230,864	3,230,864
General Office Building	1,268.55	1,268.55	1268.55	3,232,258	3,232,258
Health Club	1,267.99	1,267.99	1267.99	3,230,839	3,230,839
Hospital	1,268.71	1,268.71	1268.71	3,232,670	3,232,670
Medical Office Building	1,267.78	1,267.78	1267.78	3,230,293	3,230,293
Mobile Home Park	1,266.72	1,266.72	1266.72	3,227,603	3,227,603
Motel	1,265.76	1,265.76	1265.76	3,225,156	3,225,156
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Place of Worship	1,268.07	1,268.07	1268.07	3,231,039	3,231,039
Retirement Community	1,268.30	1,268.30	1268.30	3,231,628	3,231,628
Single Family Housing	1,268.05	1,268.05	1268.05	3,230,991	3,230,991
Strip Mall	1,269.07	1,269.07	1269.07	3,233,595	3,233,595
Total	20,289.10	20,289.10	20,289.10	51,696,621	51,696,621

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Automobile Care Center	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
City Park	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Condo/Townhouse	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Congregate Care (Assisted	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Gasoline/Service Station	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Health Club	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Hospital	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Medical Office Building	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Mobile Home Park	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Motel	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Place of Worship	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Retirement Community	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Single Family Housing	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Strip Mall	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Automobile Care Center	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
City Park	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Condo/Townhouse	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Congregate Care (Assisted Living)	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Gasoline/Service Station	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
General Office Building	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Health Club	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Hospital	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Medical Office Building	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Mobile Home Park	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Motel	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Other Asphalt Surfaces	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Other Non-Asphalt Surfaces	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Place of Worship	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Retirement Community	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Single Family Housing	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102
Strip Mall	0.649920	0.055566	0.259055	0.019160	0.001746	0.000500	0.001982	0.005967	0.000131	0.000153	0.005670	0.000049	0.000102

5.0 Energy Detail

Historical Energy Use: Y

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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	15,438.5196	15,438.5196	0.2901	0.0600	15,463.6590
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	15,438.5196	15,438.5196	0.2901	0.0600	15,463.6590
NaturalGas Mitigated	0.2991	2.6483	1.7679	0.0163		0.2066	0.2066		0.2066	0.2066	0.0000	2,959.5922	2,959.5922	0.0567	0.0543	2,977.1796
NaturalGas Unmitigated	0.2991	2.6483	1.7679	0.0163		0.2066	0.2066		0.2066	0.2066	0.0000	2,959.5922	2,959.5922	0.0567	0.0543	2,977.1796

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.09697e+007	0.0592	0.5055	0.2151	3.2300e-003		0.0409	0.0409		0.0409	0.0409	0.0000	585.3869	585.3869	0.0112	0.0107	588.8655
Automobile Care Center	189684	1.0200e-003	9.3000e-003	7.8100e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	10.1223	10.1223	1.9000e-004	1.9000e-004	10.1824
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	3.24128e+006	0.0175	0.1494	0.0636	9.5000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	172.9671	172.9671	3.3200e-003	3.1700e-003	173.9949
Congregate Care (Assisted Living)	730964	3.9400e-003	0.0337	0.0143	2.1000e-004		2.7200e-003	2.7200e-003		2.7200e-003	2.7200e-003	0.0000	39.0070	39.0070	7.5000e-004	7.2000e-004	39.2388
Gasoline/Service Station	141926	7.7000e-004	6.9600e-003	5.8400e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.5737	7.5737	1.5000e-004	1.4000e-004	7.6187
General Office Building	131855	7.1000e-004	6.4600e-003	5.4300e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	7.0363	7.0363	1.3000e-004	1.3000e-004	7.0781
Health Club	1.19305e+006	6.4300e-003	0.0585	0.0491	3.5000e-004		4.4400e-003	4.4400e-003		4.4400e-003	4.4400e-003	0.0000	63.6655	63.6655	1.2200e-003	1.1700e-003	64.0438
Hospital	1.57765e+007	0.0851	0.7734	0.6496	4.6400e-003		0.0588	0.0588		0.0588	0.0588	0.0000	841.8927	841.8927	0.0161	0.0154	846.8957
Medical Office Building	1.23031e+006	6.6300e-003	0.0603	0.0507	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003	0.0000	65.6540	65.6540	1.2600e-003	1.2000e-003	66.0442
Mobile Home Park	6.90283e+006	0.0372	0.3181	0.1354	2.0300e-003		0.0257	0.0257		0.0257	0.0257	0.0000	368.3612	368.3612	7.0600e-003	6.7500e-003	370.5502
Motel	1.18785e+007	0.0641	0.5823	0.4891	3.4900e-003		0.0443	0.0443		0.0443	0.0443	0.0000	633.8817	633.8817	0.0122	0.0116	637.6485
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	262769	1.4200e-003	0.0129	0.0108	8.0000e-005		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	14.0224	14.0224	2.7000e-004	2.6000e-004	14.1057
Retirement Community	1.84736e+006	9.9600e-003	0.0851	0.0362	5.4000e-004		6.8800e-003	6.8800e-003		6.8800e-003	6.8800e-003	0.0000	98.5823	98.5823	1.8900e-003	1.8100e-003	99.1681
Single Family Housing	220124	1.1900e-003	0.0101	4.3200e-003	6.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	11.7466	11.7466	2.3000e-004	2.2000e-004	11.8164
Strip Mall	743811	4.0100e-003	0.0365	0.0306	2.2000e-004		2.7700e-003	2.7700e-003		2.7700e-003	2.7700e-003	0.0000	39.6926	39.6926	7.6000e-004	7.3000e-004	39.9285
Total		0.2991	2.6483	1.7679	0.0163		0.2066	0.2066		0.2066	0.2066	0.0000	2,959.5922	2,959.592	0.0567	0.0543	2,977.179

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	tons/yr										MT/yr					
Apartments Low Rise	1.09697e+007	0.0592	0.5055	0.2151	3.2300e-003		0.0409	0.0409		0.0409	0.0409	0.0000	585.3869	585.3869	0.0112	0.0107	588.8655
Automobile Care Center	189684	1.0200e-003	9.3000e-003	7.8100e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	10.1223	10.1223	1.9000e-004	1.9000e-004	10.1824
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	3.24128e+006	0.0175	0.1494	0.0636	9.5000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	172.9671	172.9671	3.3200e-003	3.1700e-003	173.9949
Congregate Care (Assisted Living)	730964	3.9400e-003	0.0337	0.0143	2.1000e-004		2.7200e-003	2.7200e-003		2.7200e-003	2.7200e-003	0.0000	39.0070	39.0070	7.5000e-004	7.2000e-004	39.2388
Gasoline/Service Station	141926	7.7000e-004	6.9600e-003	5.8400e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.5737	7.5737	1.5000e-004	1.4000e-004	7.6187
General Office Building	131855	7.1000e-004	6.4600e-003	5.4300e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	7.0363	7.0363	1.3000e-004	1.3000e-004	7.0781
Health Club	1.19305e+006	6.4300e-003	0.0585	0.0491	3.5000e-004		4.4400e-003	4.4400e-003		4.4400e-003	4.4400e-003	0.0000	63.6655	63.6655	1.2200e-003	1.1700e-003	64.0438
Hospital	1.57765e+007	0.0851	0.7734	0.6496	4.6400e-003		0.0588	0.0588		0.0588	0.0588	0.0000	841.8927	841.8927	0.0161	0.0154	846.8957
Medical Office Building	1.23031e+006	6.6300e-003	0.0603	0.0507	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003	0.0000	65.6540	65.6540	1.2600e-003	1.2000e-003	66.0442
Mobile Home Park	6.90283e+006	0.0372	0.3181	0.1354	2.0300e-003		0.0257	0.0257		0.0257	0.0257	0.0000	368.3612	368.3612	7.0600e-003	6.7500e-003	370.5502
Motel	1.18785e+007	0.0641	0.5823	0.4891	3.4900e-003		0.0443	0.0443		0.0443	0.0443	0.0000	633.8817	633.8817	0.0122	0.0116	637.6485
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	262769	1.4200e-003	0.0129	0.0108	8.0000e-005		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	14.0224	14.0224	2.7000e-004	2.6000e-004	14.1057
Retirement Community	1.84736e+006	9.9600e-003	0.0851	0.0362	5.4000e-004		6.8800e-003	6.8800e-003		6.8800e-003	6.8800e-003	0.0000	98.5823	98.5823	1.8900e-003	1.8100e-003	99.1681
Single Family Housing	220124	1.1900e-003	0.0101	4.3200e-003	6.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	11.7466	11.7466	2.3000e-004	2.2000e-004	11.8164
Strip Mall	743811	4.0100e-003	0.0365	0.0306	2.2000e-004		2.7700e-003	2.7700e-003		2.7700e-003	2.7700e-003	0.0000	39.6926	39.6926	7.6000e-004	7.3000e-004	39.9285
Total		0.2991	2.6483	1.7679	0.0163		0.2066	0.2066		0.2066	0.2066	0.0000	2,959.5922	2,959.592	0.0567	0.0543	2,977.179

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	3.42506e+006	2,397.6115	0.0451	9.3200e-003	2,401.5156
Automobile Care Center	82825.9	57.9798	1.0900e-003	2.3000e-004	58.0742
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	843991	590.8106	0.0111	2.3000e-003	591.7726
Congregate Care (Assisted Living)	281876	197.3189	3.7100e-003	7.7000e-004	197.6402
Gasoline/Service Station	61972.3	43.3819	8.2000e-004	1.7000e-004	43.4525
General Office Building	199427	139.6026	2.6200e-003	5.4000e-004	139.8299
Health Club	520946	364.6724	6.8500e-003	1.4200e-003	365.2662
Hospital	4.20561e+006	2,944.0092	0.0553	0.0115	2,948.8031
Medical Office Building	1.8608e+006	1,302.5978	0.0245	5.0600e-003	1,304.7189
Mobile Home Park	1.71674e+006	1,201.7559	0.0226	4.6700e-003	1,203.7127
Motel	3.47112e+006	2,429.8508	0.0457	9.4500e-003	2,433.8074
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	114739	80.3193	1.5100e-003	3.1000e-004	80.4500
Retirement Community	481031	336.7314	6.3300e-003	1.3100e-003	337.2797
Single Family Housing	50431.5	35.3031	6.6000e-004	1.4000e-004	35.3606
Strip Mall	4.73783e+006	3,316.5749	0.0623	0.0129	3,321.9754
Total		15,438.5197	0.2901	0.0600	15,463.6589

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	3.42506e+006	2,397.6115	0.0451	9.3200e-003	2,401.5156
Automobile Care Center	82825.9	57.9798	1.0900e-003	2.3000e-004	58.0742
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	843991	590.8106	0.0111	2.3000e-003	591.7726
Congregate Care (Assisted Living)	281876	197.3189	3.7100e-003	7.7000e-004	197.6402
Gasoline/Service Station	61972.3	43.3819	8.2000e-004	1.7000e-004	43.4525
General Office Building	199427	139.6026	2.6200e-003	5.4000e-004	139.8299
Health Club	520946	364.6724	6.8500e-003	1.4200e-003	365.2662
Hospital	4.20561e+006	2,944.0092	0.0553	0.0115	2,948.8031
Medical Office Building	1.8608e+006	1,302.5978	0.0245	5.0600e-003	1,304.7189
Mobile Home Park	1.71674e+006	1,201.7559	0.0226	4.6700e-003	1,203.7127
Motel	3.47112e+006	2,429.8508	0.0457	9.4500e-003	2,433.8074
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000

Place of Worship	114739	80.3193	1.5100e-003	3.1000e-004	80.4500
Retirement Community	481031	336.7314	6.3300e-003	1.3100e-003	337.2797
Single Family Housing	50431.5	35.3031	6.6000e-004	1.4000e-004	35.3606
Strip Mall	4.73783e+006	3,316.5749	0.0623	0.0129	3,321.9754
Total		15,438.5197	0.2901	0.0600	15,463.6589

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	13.7608	0.5150	19.6564	6.0500e-003		0.4023	0.4023		0.4023	0.4023	25.3850	363.3577	388.7426	0.0352	8.3900e-003	392.1208
Unmitigated	13.7608	0.5150	19.6564	6.0500e-003		0.4023	0.4023		0.4023	0.4023	25.3850	363.3577	388.7426	0.0352	8.3900e-003	392.1208

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	1.0578					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	10.2332					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.9186	0.3109	2.2021	5.1400e-003		0.3082	0.3082		0.3082	0.3082	25.3850	335.2314	360.6164	6.4300e-003	8.3900e-003	363.2760
Landscaping	0.5512	0.2042	17.4543	9.1000e-004		0.0941	0.0941		0.0941	0.0941	0.0000	28.1262	28.1262	0.0287	0.0000	28.8448
Total	13.7608	0.5150	19.6564	6.0500e-003		0.4023	0.4023		0.4023	0.4023	25.3850	363.3577	388.7426	0.0352	8.3900e-003	392.1208

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	1.0578					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	10.2332					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.9186	0.3109	2.2021	5.1400e-003		0.3082	0.3082		0.3082	0.3082	25.3850	335.2314	360.6164	6.4300e-003	8.3900e-003	363.2760
Landscaping	0.5512	0.2042	17.4543	9.1000e-004		0.0941	0.0941		0.0941	0.0941	0.0000	28.1262	28.1262	0.0287	0.0000	28.8448
Total	13.7608	0.5150	19.6564	6.0500e-003		0.4023	0.4023		0.4023	0.4023	25.3850	363.3577	388.7426	0.0352	8.3900e-003	392.1208

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2,350.8490	0.1752	0.0922	2,382.7051
Unmitigated	2,350.8490	0.1752	0.0922	2,382.7051

7.2 Water by Land Use

Unmitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Automobile Care Center	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
City Park	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Condo/Townhous e	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Congregate Care (Assisted Living)	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Gasoline/Service Station	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
General Office Building	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Health Club	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Hospital	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Medical Office Building	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Mobile Home Park	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Motel	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Retirement Community	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Single Family Housing	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Strip Mall	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Total		2,350.8490	0.1752	0.0922	2,382.705

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Automobile Care Center	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
City Park	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Condo/Townhouse	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Congregate Care (Assisted Living)	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Gasoline/Service Station	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
General Office Building	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Health Club	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Hospital	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Medical Office Building	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Mobile Home Park	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Motel	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000

Place of Worship	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Retirement Community	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Single Family Housing	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Strip Mall	6.75964 / 10.6622	146.9281	0.0110	5.7600e- 003	148.9191
Total		2,350.8490	0.1752	0.0922	2,382.705 1

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2,150.0803	127.0661	0.0000	5,326.7329
Unmitigated	2,150.0803	127.0661	0.0000	5,326.7329

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	662	134.3800	7.9416	0.0000	332.9208
Automobile Care Center	662	134.3800	7.9416	0.0000	332.9208
City Park	662	134.3800	7.9416	0.0000	332.9208
Condo/Townhouse	662	134.3800	7.9416	0.0000	332.9208
Congregate Care (Assisted Living)	662	134.3800	7.9416	0.0000	332.9208
Gasoline/Service Station	662	134.3800	7.9416	0.0000	332.9208
General Office Building	662	134.3800	7.9416	0.0000	332.9208
Health Club	662	134.3800	7.9416	0.0000	332.9208
Hospital	662	134.3800	7.9416	0.0000	332.9208
Medical Office Building	662	134.3800	7.9416	0.0000	332.9208
Mobile Home Park	662	134.3800	7.9416	0.0000	332.9208
Motel	662	134.3800	7.9416	0.0000	332.9208
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000

Place of Worship	662	134.3800	7.9416	0.0000	332.9208
Retirement Community	662	134.3800	7.9416	0.0000	332.9208
Single Family Housing	662	134.3800	7.9416	0.0000	332.9208
Strip Mall	662	134.3800	7.9416	0.0000	332.9208
Total		2,150.0803	127.0661	0.0000	5,326.7330

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	662	134.3800	7.9416	0.0000	332.9208
Automobile Care Center	662	134.3800	7.9416	0.0000	332.9208
City Park	662	134.3800	7.9416	0.0000	332.9208
Condo/Townhouse	662	134.3800	7.9416	0.0000	332.9208
Congregate Care (Assisted Living)	662	134.3800	7.9416	0.0000	332.9208
Gasoline/Service Station	662	134.3800	7.9416	0.0000	332.9208
General Office Building	662	134.3800	7.9416	0.0000	332.9208
Health Club	662	134.3800	7.9416	0.0000	332.9208
Hospital	662	134.3800	7.9416	0.0000	332.9208

Medical Office Building	662	134.3800	7.9416	0.0000	332.9208
Mobile Home Park	662	134.3800	7.9416	0.0000	332.9208
Motel	662	134.3800	7.9416	0.0000	332.9208
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	662	134.3800	7.9416	0.0000	332.9208
Retirement Community	662	134.3800	7.9416	0.0000	332.9208
Single Family Housing	662	134.3800	7.9416	0.0000	332.9208
Strip Mall	662	134.3800	7.9416	0.0000	332.9208
Total		2,150.0803	127.0661	0.0000	5,326.733

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Operation - Existing
Orange County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.25	0.57		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			

No	Land Use	Increase Transit Accessibility	0.25		
No	Land Use	Integrate Below Market Rate Housing	0.00		
	Land Use	Land Use SubTotal	0.00		
No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		
No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

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

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

Water Mitigation Measures

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

Solid Waste Mitigation

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

Operation - Existing - Orange County, Summary Report

**Operation - Existing
Orange, Summary Report**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	12.18	1000sqft	1.30	12,175.00	0
Hospital	242.12	1000sqft	12.80	242,119.00	0
Medical Office Building	113.60	1000sqft	7.60	113,602.00	0
Place of Worship	11.89	1000sqft	3.51	11,890.00	0
Other Asphalt Surfaces	41.60	Acre	41.60	0.00	0
Other Non-Asphalt Surfaces	42.10	Acre	42.10	0.00	0
City Park	22.80	Acre	22.80	11,601.00	0
Health Club	53.98	1000sqft	3.76	53,984.00	0
Motel	879.00	Room	14.50	327,773.00	0
Apartments Low Rise	941.00	Dwelling Unit	42.90	941,000.00	2691
Condo/Townhouse	193.00	Dwelling Unit	13.10	193,000.00	552
Congregate Care (Assisted Living)	80.00	Dwelling Unit	1.80	79,958.00	229
Mobile Home Park	336.00	Dwelling Unit	32.40	403,200.00	961
Retirement Community	110.00	Dwelling Unit	1.17	61,500.00	315
Single Family Housing	7.00	Dwelling Unit	0.66	12,600.00	20
Automobile Care Center	8.58	1000sqft	7.61	8,583.00	0
Gasoline/Service Station	20.00	Pump	1.62	6,422.00	0
Strip Mall	352.52	1000sqft	31.60	352,517.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2016
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MW hr)	1543.28	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on existing land uses.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Woodstoves - Assumes no woodstoves.

Energy Use - .

Water And Wastewater - Based on information provided by Fuscoe Engineering, Inc. For purposes of this analysis, water use is equally proportioned among the

Solid Waste - See Utilities and Service Systems chapter of the DEIR for further details. For purposes of this analysis, solid waste amounts are equally proportioned.

Fleet Mix - Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Highway 39 north of Lincoln Avenue.

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
Operational Activity		lb/day											
On-Site	Area	219.7625 S	26.5024 S	315.8013 S	0.4185 S	25.4060 S	25.4060 S	219.7625 S	26.5024 S	315.8013 S	0.4185 S	25.4060 S	25.4060 S
On-Site	Energy	1.6386 S	14.5114 S	9.6872 S	0.0894 S	1.1322 S	1.1322 S	1.6386 S	14.5114 S	9.6872 S	0.0894 S	1.1322 S	1.1322 S
Off-Site	Mobile	40.4255 S	70.7715 W	489.6526 S	1.2245 S	108.9904 W	29.5229 W	40.4255 S	70.7715 W	489.6526 S	1.2245 S	108.9904 W	29.5229 W
	Peak Daily Total	261.8266 S	111.7853 W	815.1411 S	1.7323 S	135.5286 W	56.0611 W	261.8266 S	111.7853 W	815.1411 S	1.7323 S	135.5286 W	56.0611 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2016	42,712.1841	128.4253	0.2149	45,986.8473	42,712.1841	128.4253	0.2149	45,986.8473
	Total								
	Significance Threshold								
	Exceed Significance?								

CalEEMod Output – Operation: Existing (2035)

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Operation - Existing 2035 - Orange County, Summer

Operation - Existing 2035
Orange County, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	12.18	1000sqft	1.30	12,175.00	0
Hospital	242.12	1000sqft	12.80	242,119.00	0
Medical Office Building	113.60	1000sqft	7.60	113,602.00	0
Place of Worship	11.89	1000sqft	3.51	11,890.00	0
Other Asphalt Surfaces	41.60	Acre	41.60	0.00	0
Other Non-Asphalt Surfaces	42.10	Acre	42.10	0.00	0
City Park	22.80	Acre	22.80	11,601.00	0
Health Club	53.98	1000sqft	3.76	53,984.00	0
Motel	879.00	Room	14.50	327,773.00	0
Apartments Low Rise	941.00	Dwelling Unit	42.90	941,000.00	2691
Condo/Townhouse	193.00	Dwelling Unit	13.10	193,000.00	552
Congregate Care (Assisted Living)	80.00	Dwelling Unit	1.80	79,958.00	229
Mobile Home Park	336.00	Dwelling Unit	32.40	403,200.00	961
Retirement Community	110.00	Dwelling Unit	1.17	61,500.00	315
Single Family Housing	7.00	Dwelling Unit	0.66	12,600.00	20
Automobile Care Center	8.58	1000sqft	7.61	8,583.00	0
Gasoline/Service Station	20.00	Pump	1.62	6,422.00	0
Strip Mall	352.52	1000sqft	31.60	352,517.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2035
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1543.28	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on existing land uses.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Woodstoves - Assumes no woodstoves.

Energy Use - .

Water And Wastewater - Based on information provided by Fuscoe Engineering, Inc. For purposes of this analysis, water use is equally proportioned

Solid Waste - See Utilities and Service Systems chapter of the DEIR for further details. For purposes of this analysis, solid waste amounts are equally

Fleet Mix - Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Highway

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	330.00	1.00
tblFireplaces	NumberGas	799.85	846.90
tblFireplaces	NumberGas	68.00	0.00
tblFireplaces	NumberNoFireplace	8.00	80.00
tblFireplaces	NumberWood	47.05	0.00
tblFireplaces	NumberWood	4.00	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise

tblFleetMix	FleetMixLandUseSubType	Hospital	Automobile Care Center
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	City Park
tblFleetMix	FleetMixLandUseSubType	Place of Worship	Condo/Townhouse
tblFleetMix	FleetMixLandUseSubType	Other Asphalt Surfaces	Congregate Care (Assisted Living)
tblFleetMix	FleetMixLandUseSubType	Other Non-Asphalt Surfaces	Gasoline/Service Station
tblFleetMix	FleetMixLandUseSubType	City Park	General Office Building
tblFleetMix	FleetMixLandUseSubType	Motel	Hospital
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Condo/Townhouse	Mobile Home Park
tblFleetMix	FleetMixLandUseSubType	Congregate Care (Assisted Living)	Motel
tblFleetMix	FleetMixLandUseSubType	Mobile Home Park	Other Asphalt Surfaces
tblFleetMix	FleetMixLandUseSubType	Retirement Community	Other Non-Asphalt Surfaces
tblFleetMix	FleetMixLandUseSubType	Single Family Housing	Place of Worship
tblFleetMix	FleetMixLandUseSubType	Automobile Care Center	Retirement Community
tblFleetMix	FleetMixLandUseSubType	Gasoline/Service Station	Single Family Housing
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003

tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25

tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
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tblFleetMix	LHD1	0.01	1.1380e-003
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tblFleetMix	LHD1	0.01	1.1380e-003
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tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD2	5.8100e-003	5.3800e-004
tblFleetMix	LHD2	5.8100e-003	5.3800e-004
tblFleetMix	LHD2	5.8100e-003	5.3800e-004

tblFleetMix	LHD2	5.8100e-003	5.3800e-004
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tblFleetMix	LHD2	5.8100e-003	5.3800e-004
tblFleetMix	LHD2	5.8100e-003	5.3800e-004
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tblFleetMix	LHD2	5.8100e-003	5.3800e-004
tblFleetMix	LHD2	5.8100e-003	5.3800e-004
tblFleetMix	LHD2	5.8100e-003	5.3800e-004
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tblFleetMix	LHD2	5.8100e-003	5.3800e-004
tblFleetMix	LHD2	5.8100e-003	5.3800e-004
tblFleetMix	LHD2	5.8100e-003	5.3800e-004
tblFleetMix	MCY	5.0120e-003	5.8840e-003
tblFleetMix	MCY	5.0120e-003	5.8840e-003
tblFleetMix	MCY	5.0120e-003	5.8840e-003
tblFleetMix	MCY	5.0120e-003	5.8840e-003
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tblFleetMix	MCY	5.0120e-003	5.8840e-003
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tblFleetMix	MCY	5.0120e-003	5.8840e-003
tblFleetMix	MDV	0.10	0.02
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tblFleetMix	MDV	0.10	0.02
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tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
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tblFleetMix	MH	7.4900e-004	6.9000e-005
tblFleetMix	MHD	0.03	2.5480e-003
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tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
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tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	SBUS	6.4100e-004	5.9000e-005
tblFleetMix	SBUS	6.4100e-004	5.9000e-005
tblFleetMix	SBUS	6.4100e-004	5.9000e-005

tblFleetMix	UBUS	1.4190e-003	1.3100e-004
tblFleetMix	UBUS	1.4190e-003	1.3100e-004
tblFleetMix	UBUS	1.4190e-003	1.3100e-004
tblFleetMix	UBUS	1.4190e-003	1.3100e-004
tblFleetMix	UBUS	1.4190e-003	1.3100e-004
tblFleetMix	UBUS	1.4190e-003	1.3100e-004
tblLandUse	BuildingSpaceSquareFeet	12,180.00	12,175.00
tblLandUse	BuildingSpaceSquareFeet	242,120.00	242,119.00
tblLandUse	BuildingSpaceSquareFeet	113,600.00	113,602.00
tblLandUse	BuildingSpaceSquareFeet	1,812,096.00	0.00
tblLandUse	BuildingSpaceSquareFeet	1,833,876.00	0.00
tblLandUse	BuildingSpaceSquareFeet	0.00	11,601.00
tblLandUse	BuildingSpaceSquareFeet	53,980.00	53,984.00
tblLandUse	BuildingSpaceSquareFeet	1,723,015.80	327,773.00
tblLandUse	BuildingSpaceSquareFeet	80,000.00	79,958.00
tblLandUse	BuildingSpaceSquareFeet	110,000.00	61,500.00
tblLandUse	BuildingSpaceSquareFeet	8,580.00	8,583.00
tblLandUse	BuildingSpaceSquareFeet	2,823.50	6,422.00
tblLandUse	BuildingSpaceSquareFeet	352,520.00	352,517.00
tblLandUse	GreenSpaceSquareFeet	993,168.00	0.00
tblLandUse	LandUseSquareFeet	12,180.00	12,175.00
tblLandUse	LandUseSquareFeet	242,120.00	242,119.00
tblLandUse	LandUseSquareFeet	113,600.00	113,602.00
tblLandUse	LandUseSquareFeet	1,812,096.00	0.00
tblLandUse	LandUseSquareFeet	1,833,876.00	0.00
tblLandUse	LandUseSquareFeet	993,168.00	11,601.00
tblLandUse	LandUseSquareFeet	53,980.00	53,984.00

tblLandUse	LandUseSquareFeet	1,723,015.80	327,773.00
tblLandUse	LandUseSquareFeet	80,000.00	79,958.00
tblLandUse	LandUseSquareFeet	110,000.00	61,500.00
tblLandUse	LandUseSquareFeet	8,580.00	8,583.00
tblLandUse	LandUseSquareFeet	2,823.50	6,422.00
tblLandUse	LandUseSquareFeet	352,520.00	352,517.00
tblLandUse	LotAcreage	0.28	1.30
tblLandUse	LotAcreage	5.56	12.80
tblLandUse	LotAcreage	2.61	7.60
tblLandUse	LotAcreage	0.27	3.51
tblLandUse	LotAcreage	1.24	3.76
tblLandUse	LotAcreage	39.55	14.50
tblLandUse	LotAcreage	58.81	42.90
tblLandUse	LotAcreage	12.06	13.10
tblLandUse	LotAcreage	5.00	1.80
tblLandUse	LotAcreage	42.33	32.40
tblLandUse	LotAcreage	22.00	1.17
tblLandUse	LotAcreage	2.27	0.66
tblLandUse	LotAcreage	0.20	7.61
tblLandUse	LotAcreage	0.06	1.62
tblLandUse	LotAcreage	8.09	31.60
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	432.86	662.00
tblSolidWaste	SolidWasteGenerationRate	32.78	662.00
tblSolidWaste	SolidWasteGenerationRate	1.96	662.00
tblSolidWaste	SolidWasteGenerationRate	88.78	662.00
tblSolidWaste	SolidWasteGenerationRate	73.00	662.00

tblSolidWaste	SolidWasteGenerationRate	10.78	662.00
tblSolidWaste	SolidWasteGenerationRate	11.33	662.00
tblSolidWaste	SolidWasteGenerationRate	307.69	662.00
tblSolidWaste	SolidWasteGenerationRate	2,614.90	662.00
tblSolidWaste	SolidWasteGenerationRate	1,226.88	662.00
tblSolidWaste	SolidWasteGenerationRate	154.56	662.00
tblSolidWaste	SolidWasteGenerationRate	481.25	662.00
tblSolidWaste	SolidWasteGenerationRate	67.77	662.00
tblSolidWaste	SolidWasteGenerationRate	50.60	662.00
tblSolidWaste	SolidWasteGenerationRate	8.20	662.00
tblSolidWaste	SolidWasteGenerationRate	370.15	662.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
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tblVehicleTrips	CC_TTP	64.10	100.00
tblVehicleTrips	CC_TTP	16.10	100.00

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tblVehicleTrips	CC_TTP	62.00	100.00
tblVehicleTrips	CC_TTP	95.00	100.00
tblVehicleTrips	CC_TTP	64.40	100.00
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tblVehicleTrips	CNW_TTP	19.00	0.00
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tblVehicleTrips	CNW_TTP	5.00	0.00
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tblVehicleTrips	CW_TTP	33.00	0.00
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tblVehicleTrips	CW_TTP	16.90	0.00
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tblVehicleTrips	DV_TP	11.00	0.00

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tblVehicleTrips	HO_TTP	40.60	0.00
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tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
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tblVehicleTrips	HW_TL	14.70	7.00
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tblVehicleTrips	HW_TTP	40.20	100.00
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tblVehicleTrips	ST_TR	22.75	55.62
tblVehicleTrips	ST_TR	5.67	6.57
tblVehicleTrips	ST_TR	2.20	15.85
tblVehicleTrips	ST_TR	168.56	63.40
tblVehicleTrips	ST_TR	2.46	104.15
tblVehicleTrips	ST_TR	20.87	23.49

tblVehicleTrips	ST_TR	10.18	5.24
tblVehicleTrips	ST_TR	8.96	11.16
tblVehicleTrips	ST_TR	5.00	3.77
tblVehicleTrips	ST_TR	5.63	1.44
tblVehicleTrips	ST_TR	10.37	106.65
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tblVehicleTrips	ST_TR	9.91	181.15
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tblVehicleTrips	SU_TR	6.07	1.35
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tblVehicleTrips	SU_TR	2.44	15.85
tblVehicleTrips	SU_TR	168.56	63.40
tblVehicleTrips	SU_TR	1.05	104.15
tblVehicleTrips	SU_TR	26.73	23.49
tblVehicleTrips	SU_TR	8.91	5.24
tblVehicleTrips	SU_TR	1.55	11.16
tblVehicleTrips	SU_TR	4.36	3.77
tblVehicleTrips	SU_TR	5.63	1.44
tblVehicleTrips	SU_TR	36.63	106.65
tblVehicleTrips	SU_TR	1.95	11.53
tblVehicleTrips	SU_TR	8.62	181.15
tblVehicleTrips	SU_TR	20.43	3.60
tblVehicleTrips	WD_TR	6.59	1.35
tblVehicleTrips	WD_TR	23.72	147.74
tblVehicleTrips	WD_TR	1.89	55.62

tblVehicleTrips	WD_TR	5.81	6.57
tblVehicleTrips	WD_TR	2.74	15.85
tblVehicleTrips	WD_TR	168.56	63.40
tblVehicleTrips	WD_TR	11.03	104.15
tblVehicleTrips	WD_TR	32.93	23.49
tblVehicleTrips	WD_TR	13.22	5.24
tblVehicleTrips	WD_TR	36.13	11.16
tblVehicleTrips	WD_TR	4.99	3.77
tblVehicleTrips	WD_TR	5.63	1.44
tblVehicleTrips	WD_TR	9.11	106.65
tblVehicleTrips	WD_TR	2.40	11.53
tblVehicleTrips	WD_TR	9.52	181.15
tblVehicleTrips	WD_TR	44.32	3.60
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tbiWater	IndoorWaterUseRate	265,637.78	6,759,640.00
tbiWater	IndoorWaterUseRate	2,164,797.05	6,759,640.00
tbiWater	IndoorWaterUseRate	3,192,546.92	6,759,640.00
tbiWater	IndoorWaterUseRate	30,381,347.75	6,759,640.00
tbiWater	IndoorWaterUseRate	14,254,589.07	6,759,640.00
tbiWater	IndoorWaterUseRate	21,891,752.61	6,759,640.00
tbiWater	IndoorWaterUseRate	22,297,390.83	6,759,640.00
tbiWater	IndoorWaterUseRate	372,025.12	6,759,640.00
tbiWater	IndoorWaterUseRate	7,166,942.82	6,759,640.00
tbiWater	IndoorWaterUseRate	456,078.18	6,759,640.00
tbiWater	IndoorWaterUseRate	26,112,045.27	6,759,640.00
tbiWater	OutdoorWaterUseRate	38,651,917.50	10,662,243.00
tbiWater	OutdoorWaterUseRate	494,745.23	10,662,243.00
tbiWater	OutdoorWaterUseRate	27,165,774.77	10,662,243.00
tbiWater	OutdoorWaterUseRate	7,927,545.25	10,662,243.00
tbiWater	OutdoorWaterUseRate	3,286,029.12	10,662,243.00
tbiWater	OutdoorWaterUseRate	162,810.25	10,662,243.00
tbiWater	OutdoorWaterUseRate	1,326,811.10	10,662,243.00
tbiWater	OutdoorWaterUseRate	1,956,722.30	10,662,243.00
tbiWater	OutdoorWaterUseRate	5,786,923.38	10,662,243.00
tbiWater	OutdoorWaterUseRate	2,715,159.82	10,662,243.00
tbiWater	OutdoorWaterUseRate	13,801,322.30	10,662,243.00
tbiWater	OutdoorWaterUseRate	2,477,487.87	10,662,243.00
tbiWater	OutdoorWaterUseRate	581,885.44	10,662,243.00
tbiWater	OutdoorWaterUseRate	4,518,290.04	10,662,243.00
tbiWater	OutdoorWaterUseRate	287,527.55	10,662,243.00
tbiWater	OutdoorWaterUseRate	16,004,156.78	10,662,243.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	47.05	0.00
tblWoodstoves	NumberCatalytic	9.65	0.00
tblWoodstoves	NumberCatalytic	4.00	0.00
tblWoodstoves	NumberCatalytic	16.80	0.00
tblWoodstoves	NumberCatalytic	5.50	0.00
tblWoodstoves	NumberCatalytic	0.35	0.00
tblWoodstoves	NumberNoncatalytic	47.05	0.00
tblWoodstoves	NumberNoncatalytic	9.65	0.00
tblWoodstoves	NumberNoncatalytic	4.00	0.00

tblWoodstoves	NumberNoncatalytic	16.80	0.00
tblWoodstoves	NumberNoncatalytic	5.50	0.00
tblWoodstoves	NumberNoncatalytic	0.35	0.00

2.0 Emissions Summary

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	219.4670	26.4518	313.3957	0.4185		25.4164	25.4164		25.4164	25.4164	2,238.5709	29,810.3836	32,048.9545	0.8034	0.7395	32,289.4088
Energy	1.6386	14.5114	9.6872	0.0894		1.1322	1.1322		1.1322	1.1322		17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490
Mobile	14.0099	21.1879	168.3800	0.7069	108.0786	0.3722	108.4507	28.6715	0.3429	29.0145		71,111.0128	71,111.0128	2.0352		71,161.8935
Total	235.1155	62.1510	491.4630	1.2148	108.0786	26.9207	134.9993	28.6715	26.8914	55.5630	2,238.5709	118,797.5166	121,036.0875	3.1812	1.0672	121,433.6514

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	219.4670	26.4518	313.3957	0.4185		25.4164	25.4164		25.4164	25.4164	2,238.5709	29,810.3836	32,048.9545	0.8034	0.7395	32,289.4088

Energy	1.6386	14.5114	9.6872	0.0894		1.1322	1.1322		1.1322	1.1322		17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490
Mobile	14.0099	21.1879	168.3800	0.7069	108.0786	0.3722	108.4507	28.6715	0.3429	29.0145		71,111.0128	71,111.0128	2.0352		71,161.8935
Total	235.1155	62.1510	491.4630	1.2148	108.0786	26.9207	134.9993	28.6715	26.8914	55.5630	2,238.5709	118,797.5166	121,036.0875	3.1812	1.0672	121,433.6514

	ROG	NOx	CO	SO2	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

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	14.0099	21.1879	168.3800	0.7069	108.0786	0.3722	108.4507	28.6715	0.3429	29.0145		71,111.0128	71,111.0128	2.0352		71,161.8935
Unmitigated	14.0099	21.1879	168.3800	0.7069	108.0786	0.3722	108.4507	28.6715	0.3429	29.0145		71,111.0128	71,111.0128	2.0352		71,161.8935

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,270.35	1,270.35	1270.35	3,236,852	3,236,852

Automobile Care Center	1,267.61	1,267.61	1267.61	3,229,868	3,229,868
City Park	1,268.14	1,268.14	1268.14	3,231,211	3,231,211
Condo/Townhouse	1,268.01	1,268.01	1268.01	3,230,889	3,230,889
Congregate Care (Assisted Living)	1,268.00	1,268.00	1268.00	3,230,864	3,230,864
Gasoline/Service Station	1,268.00	1,268.00	1268.00	3,230,864	3,230,864
General Office Building	1,268.55	1,268.55	1268.55	3,232,258	3,232,258
Health Club	1,267.99	1,267.99	1267.99	3,230,839	3,230,839
Hospital	1,268.71	1,268.71	1268.71	3,232,670	3,232,670
Medical Office Building	1,267.78	1,267.78	1267.78	3,230,293	3,230,293
Mobile Home Park	1,266.72	1,266.72	1266.72	3,227,603	3,227,603
Motel	1,265.76	1,265.76	1265.76	3,225,156	3,225,156
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Place of Worship	1,268.07	1,268.07	1268.07	3,231,039	3,231,039
Retirement Community	1,268.30	1,268.30	1268.30	3,231,628	3,231,628
Single Family Housing	1,268.05	1,268.05	1268.05	3,230,991	3,230,991
Strip Mall	1,269.07	1,269.07	1269.07	3,233,595	3,233,595
Total	20,289.10	20,289.10	20,289.10	51,696,621	51,696,621

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 Low Rise	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Automobile Care Center	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
City Park	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Condo/Townhouse	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Congregate Care (Assisted Living)	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Gasoline/Service Station	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Health Club	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Hospital	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Medical Office Building	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Mobile Home Park	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Motel	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Place of Worship	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Retirement Community	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Single Family Housing	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Strip Mall	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Automobile Care Center	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
City Park	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Condo/Townhouse	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Congregate Care (Assisted Living)	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Gasoline/Service Station	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
General Office Building	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Health Club	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Hospital	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Medical Office Building	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Mobile Home Park	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Motel	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Other Asphalt Surfaces	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Other Non-Asphalt Surfaces	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Place of Worship	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Retirement Community	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Single Family Housing	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Strip Mall	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069

5.0 Energy Detail

Historical Energy Use: Y

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	1.6386	14.5114	9.6872	0.0894		1.1322	1.1322		1.1322	1.1322			17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490
NaturalGas Unmitigated	1.6386	14.5114	9.6872	0.0894		1.1322	1.1322		1.1322	1.1322			17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490

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						
Apartments Low Rise	30054.1	0.3241	2.7697	1.1786	0.0177		0.2239	0.2239		0.2239	0.2239			3,535.7730	3,535.7730	0.0678	0.0648	3,556.7843
Automobile Care Center	519.683	5.6000e-003	0.0510	0.0428	3.1000e-004		3.8700e-003	3.8700e-003		3.8700e-003	3.8700e-003			61.1392	61.1392	1.1700e-003	1.1200e-003	61.5025
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	8880.22	0.0958	0.8184	0.3482	5.2200e-003		0.0662	0.0662		0.0662	0.0662			1,044.7319	1,044.7319	0.0200	0.0192	1,050.9402
Congregate Care (Assisted Living)	2002.64	0.0216	0.1846	0.0785	1.1800e-003		0.0149	0.0149		0.0149	0.0149			235.6048	235.6048	4.5200e-003	4.3200e-003	237.0049

Gasoline/Service Station	388.839	4.1900e-003	0.0381	0.0320	2.3000e-004	2.9000e-003	2.9000e-003	2.9000e-003	2.9000e-003	45.7458	45.7458	8.8000e-004	8.4000e-004	46.0176
General Office Building	361.247	3.9000e-003	0.0354	0.0298	2.1000e-004	2.6900e-003	2.6900e-003	2.6900e-003	2.6900e-003	42.4997	42.4997	8.1000e-004	7.8000e-004	42.7522
Health Club	3268.62	0.0353	0.3205	0.2692	1.9200e-003	0.0244	0.0244	0.0244	0.0244	384.5436	384.5436	7.3700e-003	7.0500e-003	386.8287
Hospital	43223.2	0.4661	4.2376	3.5596	0.0254	0.3221	0.3221	0.3221	0.3221	5,085.0843	5,085.0843	0.0975	0.0932	5,115.3024
Medical Office Building	3370.71	0.0364	0.3305	0.2776	1.9800e-003	0.0251	0.0251	0.0251	0.0251	396.5543	396.5543	7.6000e-003	7.2700e-003	398.9108
Mobile Home Park	18911.9	0.2040	1.7429	0.7416	0.0111	0.1409	0.1409	0.1409	0.1409	2,224.9243	2,224.9243	0.0426	0.0408	2,238.1459
Motel	32543.8	0.3510	3.1906	2.6801	0.0191	0.2425	0.2425	0.2425	0.2425	3,828.6845	3,828.6845	0.0734	0.0702	3,851.4364
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	719.915	7.7600e-003	0.0706	0.0593	4.2000e-004	5.3600e-003	5.3600e-003	5.3600e-003	5.3600e-003	84.6959	84.6959	1.6200e-003	1.5500e-003	85.1992
Retirement Community	5061.27	0.0546	0.4664	0.1985	2.9800e-003	0.0377	0.0377	0.0377	0.0377	595.4430	595.4430	0.0114	0.0109	598.9815
Single Family Housing	603.078	6.5000e-003	0.0556	0.0237	3.5000e-004	4.4900e-003	4.4900e-003	4.4900e-003	4.4900e-003	70.9504	70.9504	1.3600e-003	1.3000e-003	71.3720
Strip Mall	2037.84	0.0220	0.1998	0.1678	1.2000e-003	0.0152	0.0152	0.0152	0.0152	239.7457	239.7457	4.6000e-003	4.4000e-003	241.1703
Total		1.6386	14.5114	9.6872	0.0894	1.1321	1.1321	1.1321	1.1321	17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490

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					

Apartments Low Rise	30.0541	0.3241	2.7697	1.1786	0.0177		0.2239	0.2239		0.2239	0.2239		3,535.7730	3,535.7730	0.0678	0.0648	3,556.7843
Automobile Care Center	0.519683	5.6000e-003	0.0510	0.0428	3.1000e-004		3.8700e-003	3.8700e-003		3.8700e-003	3.8700e-003		61.1392	61.1392	1.1700e-003	1.1200e-003	61.5025
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	8.88022	0.0958	0.8184	0.3482	5.2200e-003		0.0662	0.0662		0.0662	0.0662		1,044.7319	1,044.7319	0.0200	0.0192	1,050.9402
Congregate Care (Assisted Living)	2.00264	0.0216	0.1846	0.0785	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6048	235.6048	4.5200e-003	4.3200e-003	237.0049
Gasoline/Service Station	0.388839	4.1900e-003	0.0381	0.0320	2.3000e-004		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003		45.7458	45.7458	8.8000e-004	8.4000e-004	46.0176
General Office Building	0.361247	3.9000e-003	0.0354	0.0298	2.1000e-004		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003		42.4997	42.4997	8.1000e-004	7.8000e-004	42.7522
Health Club	3.26862	0.0353	0.3205	0.2692	1.9200e-003		0.0244	0.0244		0.0244	0.0244		384.5436	384.5436	7.3700e-003	7.0500e-003	386.8287
Hospital	43.2232	0.4661	4.2376	3.5596	0.0254		0.3221	0.3221		0.3221	0.3221		5,085.0843	5,085.0843	0.0975	0.0932	5,115.3024
Medical Office Building	3.37071	0.0364	0.3305	0.2776	1.9800e-003		0.0251	0.0251		0.0251	0.0251		396.5543	396.5543	7.6000e-003	7.2700e-003	398.9108
Mobile Home Park	18.9119	0.2040	1.7429	0.7416	0.0111		0.1409	0.1409		0.1409	0.1409		2,224.9243	2,224.9243	0.0426	0.0408	2,238.1459
Motel	32.5438	0.3510	3.1906	2.6801	0.0191		0.2425	0.2425		0.2425	0.2425		3,828.6845	3,828.6845	0.0734	0.0702	3,851.4364
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.719915	7.7600e-003	0.0706	0.0593	4.2000e-004		5.3600e-003	5.3600e-003		5.3600e-003	5.3600e-003		84.6959	84.6959	1.6200e-003	1.5500e-003	85.1992
Retirement Community	5.06127	0.0546	0.4664	0.1985	2.9800e-003		0.0377	0.0377		0.0377	0.0377		595.4430	595.4430	0.0114	0.0109	598.9815
Single Family Housing	0.603078	6.5000e-003	0.0556	0.0237	3.5000e-004		4.4900e-003	4.4900e-003		4.4900e-003	4.4900e-003		70.9504	70.9504	1.3600e-003	1.3000e-003	71.3720
Strip Mall	2.03784	0.0220	0.1998	0.1678	1.2000e-003		0.0152	0.0152		0.0152	0.0152		239.7457	239.7457	4.6000e-003	4.4000e-003	241.1703
Total		1.6386	14.5114	9.6872	0.0894		1.1321	1.1321		1.1321	1.1321		17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	219.4670	26.4518	313.3957	0.4185		25.4164	25.4164		25.4164	25.4164	2,238.5709	29,810.3836	32,048.9545	0.8034	0.7395	32,289.4088
Unmitigated	219.4670	26.4518	313.3957	0.4185		25.4164	25.4164		25.4164	25.4164	2,238.5709	29,810.3836	32,048.9545	0.8034	0.7395	32,289.4088

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	5.7963					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	56.0721					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	153.4842	24.8690	176.1668	0.4112		24.6530	24.6530		24.6530	24.6530	2,238.5709	29,562.3529	31,800.9238	0.5666	0.7395	32,035.4594
Landscaping	4.1143	1.5828	137.2290	7.2800e-003		0.7633	0.7633		0.7633	0.7633		248.0307	248.0307	0.2368		253.9495

Total	219.4670	26.4518	313.3957	0.4185		25.4164	25.4164		25.4164	25.4164	2,238.5709	29,810.3836	32,048.9545	0.8034	0.7395	32,289.4088
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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	5.7963					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	56.0721					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	153.4842	24.8690	176.1668	0.4112		24.6530	24.6530		24.6530	24.6530	2,238.5709	29,562.3529	31,800.9238	0.5666	0.7395	32,035.4594
Landscaping	4.1143	1.5828	137.2290	7.2800e-003		0.7633	0.7633		0.7633	0.7633		248.0307	248.0307	0.2368		253.9495
Total	219.4670	26.4518	313.3957	0.4185		25.4164	25.4164		25.4164	25.4164	2,238.5709	29,810.3836	32,048.9545	0.8034	0.7395	32,289.4088

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 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Operation - Existing 2035 - Orange County, Winter

Operation - Existing 2035
Orange County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	12.18	1000sqft	1.30	12,175.00	0
Hospital	242.12	1000sqft	12.80	242,119.00	0
Medical Office Building	113.60	1000sqft	7.60	113,602.00	0
Place of Worship	11.89	1000sqft	3.51	11,890.00	0
Other Asphalt Surfaces	41.60	Acre	41.60	0.00	0
Other Non-Asphalt Surfaces	42.10	Acre	42.10	0.00	0
City Park	22.80	Acre	22.80	11,601.00	0
Health Club	53.98	1000sqft	3.76	53,984.00	0
Motel	879.00	Room	14.50	327,773.00	0
Apartments Low Rise	941.00	Dwelling Unit	42.90	941,000.00	2691
Condo/Townhouse	193.00	Dwelling Unit	13.10	193,000.00	552
Congregate Care (Assisted Living)	80.00	Dwelling Unit	1.80	79,958.00	229
Mobile Home Park	336.00	Dwelling Unit	32.40	403,200.00	961
Retirement Community	110.00	Dwelling Unit	1.17	61,500.00	315
Single Family Housing	7.00	Dwelling Unit	0.66	12,600.00	20
Automobile Care Center	8.58	1000sqft	7.61	8,583.00	0
Gasoline/Service Station	20.00	Pump	1.62	6,422.00	0
Strip Mall	352.52	1000sqft	31.60	352,517.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2035
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1543.28	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on existing land uses.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Woodstoves - Assumes no woodstoves.

Energy Use - .

Water And Wastewater - Based on infomraiton provided by Fuscoe Engineering, Inc. For purposes of this analysis, water use is equally proportioned

Solid Waste - See Utilities and Service Systems chapter of the DEIR for further details. For purposes of this analysis, solid waste amounts are equally

Fleet Mix - Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Highway

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	330.00	1.00
tblFireplaces	NumberGas	799.85	846.90
tblFireplaces	NumberGas	68.00	0.00
tblFireplaces	NumberNoFireplace	8.00	80.00
tblFireplaces	NumberWood	47.05	0.00
tblFireplaces	NumberWood	4.00	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise

tblFleetMix	FleetMixLandUseSubType	Hospital	Automobile Care Center
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	City Park
tblFleetMix	FleetMixLandUseSubType	Place of Worship	Condo/Townhouse
tblFleetMix	FleetMixLandUseSubType	Other Asphalt Surfaces	Congregate Care (Assisted Living)
tblFleetMix	FleetMixLandUseSubType	Other Non-Asphalt Surfaces	Gasoline/Service Station
tblFleetMix	FleetMixLandUseSubType	City Park	General Office Building
tblFleetMix	FleetMixLandUseSubType	Motel	Hospital
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Condo/Townhouse	Mobile Home Park
tblFleetMix	FleetMixLandUseSubType	Congregate Care (Assisted Living)	Motel
tblFleetMix	FleetMixLandUseSubType	Mobile Home Park	Other Asphalt Surfaces
tblFleetMix	FleetMixLandUseSubType	Retirement Community	Other Non-Asphalt Surfaces
tblFleetMix	FleetMixLandUseSubType	Single Family Housing	Place of Worship
tblFleetMix	FleetMixLandUseSubType	Automobile Care Center	Retirement Community
tblFleetMix	FleetMixLandUseSubType	Gasoline/Service Station	Single Family Housing
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tblFleetMix	HHD	0.02	5.9670e-003
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tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
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tblFleetMix	HHD	0.02	5.9670e-003
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tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
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tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
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tblFleetMix	LDT2	0.21	0.25
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tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
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tblFleetMix	MDV	0.10	0.02
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tblFleetMix	UBUS	1.4190e-003	1.3100e-004
tblFleetMix	UBUS	1.4190e-003	1.3100e-004
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tblLandUse	BuildingSpaceSquareFeet	1,812,096.00	0.00
tblLandUse	BuildingSpaceSquareFeet	1,833,876.00	0.00
tblLandUse	BuildingSpaceSquareFeet	0.00	11,601.00
tblLandUse	BuildingSpaceSquareFeet	53,980.00	53,984.00
tblLandUse	BuildingSpaceSquareFeet	1,723,015.80	327,773.00
tblLandUse	BuildingSpaceSquareFeet	80,000.00	79,958.00
tblLandUse	BuildingSpaceSquareFeet	110,000.00	61,500.00
tblLandUse	BuildingSpaceSquareFeet	8,580.00	8,583.00
tblLandUse	BuildingSpaceSquareFeet	2,823.50	6,422.00
tblLandUse	BuildingSpaceSquareFeet	352,520.00	352,517.00
tblLandUse	GreenSpaceSquareFeet	993,168.00	0.00
tblLandUse	LandUseSquareFeet	12,180.00	12,175.00
tblLandUse	LandUseSquareFeet	242,120.00	242,119.00
tblLandUse	LandUseSquareFeet	113,600.00	113,602.00
tblLandUse	LandUseSquareFeet	1,812,096.00	0.00
tblLandUse	LandUseSquareFeet	1,833,876.00	0.00
tblLandUse	LandUseSquareFeet	993,168.00	11,601.00
tblLandUse	LandUseSquareFeet	53,980.00	53,984.00

tblLandUse	LandUseSquareFeet	1,723,015.80	327,773.00
tblLandUse	LandUseSquareFeet	80,000.00	79,958.00
tblLandUse	LandUseSquareFeet	110,000.00	61,500.00
tblLandUse	LandUseSquareFeet	8,580.00	8,583.00
tblLandUse	LandUseSquareFeet	2,823.50	6,422.00
tblLandUse	LandUseSquareFeet	352,520.00	352,517.00
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tblLandUse	LotAcreage	5.56	12.80
tblLandUse	LotAcreage	2.61	7.60
tblLandUse	LotAcreage	0.27	3.51
tblLandUse	LotAcreage	1.24	3.76
tblLandUse	LotAcreage	39.55	14.50
tblLandUse	LotAcreage	58.81	42.90
tblLandUse	LotAcreage	12.06	13.10
tblLandUse	LotAcreage	5.00	1.80
tblLandUse	LotAcreage	42.33	32.40
tblLandUse	LotAcreage	22.00	1.17
tblLandUse	LotAcreage	2.27	0.66
tblLandUse	LotAcreage	0.20	7.61
tblLandUse	LotAcreage	0.06	1.62
tblLandUse	LotAcreage	8.09	31.60
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tblSolidWaste	SolidWasteGenerationRate	32.78	662.00
tblSolidWaste	SolidWasteGenerationRate	1.96	662.00
tblSolidWaste	SolidWasteGenerationRate	88.78	662.00
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tblSolidWaste	SolidWasteGenerationRate	50.60	662.00
tblSolidWaste	SolidWasteGenerationRate	8.20	662.00
tblSolidWaste	SolidWasteGenerationRate	370.15	662.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TL	8.40	7.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	79.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	64.10	100.00
tblVehicleTrips	CC_TTP	16.10	100.00

tblVehicleTrips	CC_TTP	51.40	100.00
tblVehicleTrips	CC_TTP	62.00	100.00
tblVehicleTrips	CC_TTP	95.00	100.00
tblVehicleTrips	CC_TTP	64.40	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00

tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	2.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	16.90	0.00
tblVehicleTrips	CW_TTP	64.90	0.00
tblVehicleTrips	CW_TTP	29.60	0.00
tblVehicleTrips	CW_TTP	19.00	0.00
tblVehicleTrips	CW_TTP	16.60	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	27.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00

tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00

tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	7.00
tblVehicleTrips	HW_TL	14.70	7.00
tblVehicleTrips	HW_TL	14.70	7.00
tblVehicleTrips	HW_TL	14.70	7.00
tblVehicleTrips	HW_TL	14.70	7.00
tblVehicleTrips	HW_TL	14.70	7.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	59.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00
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tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00

tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	21.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	14.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	52.00	100.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	64.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	7.16	1.35
tblVehicleTrips	ST_TR	23.72	147.74
tblVehicleTrips	ST_TR	22.75	55.62
tblVehicleTrips	ST_TR	5.67	6.57
tblVehicleTrips	ST_TR	2.20	15.85
tblVehicleTrips	ST_TR	168.56	63.40
tblVehicleTrips	ST_TR	2.46	104.15
tblVehicleTrips	ST_TR	20.87	23.49

tblVehicleTrips	ST_TR	10.18	5.24
tblVehicleTrips	ST_TR	8.96	11.16
tblVehicleTrips	ST_TR	5.00	3.77
tblVehicleTrips	ST_TR	5.63	1.44
tblVehicleTrips	ST_TR	10.37	106.65
tblVehicleTrips	ST_TR	2.03	11.53
tblVehicleTrips	ST_TR	9.91	181.15
tblVehicleTrips	ST_TR	42.04	3.60
tblVehicleTrips	SU_TR	6.07	1.35
tblVehicleTrips	SU_TR	11.88	147.74
tblVehicleTrips	SU_TR	16.74	55.62
tblVehicleTrips	SU_TR	4.84	6.57
tblVehicleTrips	SU_TR	2.44	15.85
tblVehicleTrips	SU_TR	168.56	63.40
tblVehicleTrips	SU_TR	1.05	104.15
tblVehicleTrips	SU_TR	26.73	23.49
tblVehicleTrips	SU_TR	8.91	5.24
tblVehicleTrips	SU_TR	1.55	11.16
tblVehicleTrips	SU_TR	4.36	3.77
tblVehicleTrips	SU_TR	5.63	1.44
tblVehicleTrips	SU_TR	36.63	106.65
tblVehicleTrips	SU_TR	1.95	11.53
tblVehicleTrips	SU_TR	8.62	181.15
tblVehicleTrips	SU_TR	20.43	3.60
tblVehicleTrips	WD_TR	6.59	1.35
tblVehicleTrips	WD_TR	23.72	147.74
tblVehicleTrips	WD_TR	1.89	55.62

tblVehicleTrips	WD_TR	5.81	6.57
tblVehicleTrips	WD_TR	2.74	15.85
tblVehicleTrips	WD_TR	168.56	63.40
tblVehicleTrips	WD_TR	11.03	104.15
tblVehicleTrips	WD_TR	32.93	23.49
tblVehicleTrips	WD_TR	13.22	5.24
tblVehicleTrips	WD_TR	36.13	11.16
tblVehicleTrips	WD_TR	4.99	3.77
tblVehicleTrips	WD_TR	5.63	1.44
tblVehicleTrips	WD_TR	9.11	106.65
tblVehicleTrips	WD_TR	2.40	11.53
tblVehicleTrips	WD_TR	9.52	181.15
tblVehicleTrips	WD_TR	44.32	3.60
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
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tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	IndoorWaterUseRate	61,309,938.11	6,759,640.00
tblWater	IndoorWaterUseRate	807,215.90	6,759,640.00
tblWater	IndoorWaterUseRate	0.00	6,759,640.00
tblWater	IndoorWaterUseRate	12,574,726.94	6,759,640.00
tblWater	IndoorWaterUseRate	5,212,322.05	6,759,640.00

tbiWater	IndoorWaterUseRate	265,637.78	6,759,640.00
tbiWater	IndoorWaterUseRate	2,164,797.05	6,759,640.00
tbiWater	IndoorWaterUseRate	3,192,546.92	6,759,640.00
tbiWater	IndoorWaterUseRate	30,381,347.75	6,759,640.00
tbiWater	IndoorWaterUseRate	14,254,589.07	6,759,640.00
tbiWater	IndoorWaterUseRate	21,891,752.61	6,759,640.00
tbiWater	IndoorWaterUseRate	22,297,390.83	6,759,640.00
tbiWater	IndoorWaterUseRate	372,025.12	6,759,640.00
tbiWater	IndoorWaterUseRate	7,166,942.82	6,759,640.00
tbiWater	IndoorWaterUseRate	456,078.18	6,759,640.00
tbiWater	IndoorWaterUseRate	26,112,045.27	6,759,640.00
tbiWater	OutdoorWaterUseRate	38,651,917.50	10,662,243.00
tbiWater	OutdoorWaterUseRate	494,745.23	10,662,243.00
tbiWater	OutdoorWaterUseRate	27,165,774.77	10,662,243.00
tbiWater	OutdoorWaterUseRate	7,927,545.25	10,662,243.00
tbiWater	OutdoorWaterUseRate	3,286,029.12	10,662,243.00
tbiWater	OutdoorWaterUseRate	162,810.25	10,662,243.00
tbiWater	OutdoorWaterUseRate	1,326,811.10	10,662,243.00
tbiWater	OutdoorWaterUseRate	1,956,722.30	10,662,243.00
tbiWater	OutdoorWaterUseRate	5,786,923.38	10,662,243.00
tbiWater	OutdoorWaterUseRate	2,715,159.82	10,662,243.00
tbiWater	OutdoorWaterUseRate	13,801,322.30	10,662,243.00
tbiWater	OutdoorWaterUseRate	2,477,487.87	10,662,243.00
tbiWater	OutdoorWaterUseRate	581,885.44	10,662,243.00
tbiWater	OutdoorWaterUseRate	4,518,290.04	10,662,243.00
tbiWater	OutdoorWaterUseRate	287,527.55	10,662,243.00
tbiWater	OutdoorWaterUseRate	16,004,156.78	10,662,243.00

tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWater	SepticTankPercent	10.33	0.00
tbiWoodstoves	NumberCatalytic	47.05	0.00
tbiWoodstoves	NumberCatalytic	9.65	0.00
tbiWoodstoves	NumberCatalytic	4.00	0.00
tbiWoodstoves	NumberCatalytic	16.80	0.00
tbiWoodstoves	NumberCatalytic	5.50	0.00
tbiWoodstoves	NumberCatalytic	0.35	0.00
tbiWoodstoves	NumberNoncatalytic	47.05	0.00
tbiWoodstoves	NumberNoncatalytic	9.65	0.00
tbiWoodstoves	NumberNoncatalytic	4.00	0.00

tblWoodstoves	NumberNoncatalytic	16.80	0.00
tblWoodstoves	NumberNoncatalytic	5.50	0.00
tblWoodstoves	NumberNoncatalytic	0.35	0.00

2.0 Emissions Summary

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	219.4670	26.4518	313.3957	0.4185		25.4164	25.4164		25.4164	25.4164	2,238.5709	29,810.3836	32,048.9545	0.8034	0.7395	32,289.4088
Energy	1.6386	14.5114	9.6872	0.0894		1.1322	1.1322		1.1322	1.1322		17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490
Mobile	13.7024	21.9605	160.5761	0.6708	108.0786	0.3725	108.4510	28.6715	0.3432	29.0147		67,491.4621	67,491.4621	2.0323		67,542.2685
Total	234.8080	62.9237	483.6591	1.1786	108.0786	26.9210	134.9995	28.6715	26.8917	55.5632	2,238.5709	115,177.9659	117,416.5368	3.1783	1.0672	117,814.0263

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	219.4670	26.4518	313.3957	0.4185		25.4164	25.4164		25.4164	25.4164	2,238.5709	29,810.3836	32,048.9545	0.8034	0.7395	32,289.4088

Energy	1.6386	14.5114	9.6872	0.0894		1.1322	1.1322		1.1322	1.1322		17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490
Mobile	13.7024	21.9605	160.5761	0.6708	108.0786	0.3725	108.4510	28.6715	0.3432	29.0147		67,491.4621	67,491.4621	2.0323		67,542.2685
Total	234.8080	62.9237	483.6591	1.1786	108.0786	26.9210	134.9995	28.6715	26.8917	55.5632	2,238.5709	115,177.9659	117,416.5368	3.1783	1.0672	117,814.0263

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	10/1/2015	10/1/2015	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 83.7

Residential Indoor: 3,424,797; Residential Outdoor: 1,141,599; Non-Residential Indoor: 1,710,999; Non-Residential Outdoor: 570,333;

OffRoad Equipment

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

Architectural Coating	1	321.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHTD
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3.1 Mitigation Measures Construction

3.2 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	21,156.5966					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		282.3643
Total	21,157.0032	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209		281.4481	281.4481	0.0367		282.3643

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	2.2282	1.5979	16.8850	0.0384	3.5880	0.0251	3.6132	0.9516	0.0232	0.9748		3,818.7345	3,818.7345	0.1369		3,822.1578

Total	2.2282	1.5979	16.8850	0.0384	3.5880	0.0251	3.6132	0.9516	0.0232	0.9748		3,818.7345	3,818.7345	0.1369		3,822.1578
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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	21,156.5966					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	0.0000	281.4481	281.4481	0.0367		282.3643
Total	21,157.0032	2.5703	1.9018	2.9700e-003		0.2209	0.2209		0.2209	0.2209	0.0000	281.4481	281.4481	0.0367		282.3643

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	2.2282	1.5979	16.8850	0.0384	3.5880	0.0251	3.6132	0.9516	0.0232	0.9748		3,818.7345	3,818.7345	0.1369		3,822.1578
Total	2.2282	1.5979	16.8850	0.0384	3.5880	0.0251	3.6132	0.9516	0.0232	0.9748		3,818.7345	3,818.7345	0.1369		3,822.1578

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	13.7024	21.9605	160.5761	0.6708	108.0786	0.3725	108.4510	28.6715	0.3432	29.0147		67,491.46 21	67,491.462 1	2.0323		67,542.26 85
Unmitigated	13.7024	21.9605	160.5761	0.6708	108.0786	0.3725	108.4510	28.6715	0.3432	29.0147		67,491.46 21	67,491.462 1	2.0323		67,542.26 85

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,270.35	1,270.35	1270.35	3,236,852	3,236,852
Automobile Care Center	1,267.61	1,267.61	1267.61	3,229,868	3,229,868
City Park	1,268.14	1,268.14	1268.14	3,231,211	3,231,211
Condo/Townhouse	1,268.01	1,268.01	1268.01	3,230,889	3,230,889
Congregate Care (Assisted Living)	1,268.00	1,268.00	1268.00	3,230,864	3,230,864
Gasoline/Service Station	1,268.00	1,268.00	1268.00	3,230,864	3,230,864
General Office Building	1,268.55	1,268.55	1268.55	3,232,258	3,232,258
Health Club	1,267.99	1,267.99	1267.99	3,230,839	3,230,839
Hospital	1,268.71	1,268.71	1268.71	3,232,670	3,232,670
Medical Office Building	1,267.78	1,267.78	1267.78	3,230,293	3,230,293
Mobile Home Park	1,266.72	1,266.72	1266.72	3,227,603	3,227,603
Motel	1,265.76	1,265.76	1265.76	3,225,156	3,225,156

Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Place of Worship	1,268.07	1,268.07	1268.07	3,231,039	3,231,039
Retirement Community	1,268.30	1,268.30	1268.30	3,231,628	3,231,628
Single Family Housing	1,268.05	1,268.05	1268.05	3,230,991	3,230,991
Strip Mall	1,269.07	1,269.07	1269.07	3,233,595	3,233,595
Total	20,289.10	20,289.10	20,289.10	51,696,621	51,696,621

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Automobile Care Center	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
City Park	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Condo/Townhouse	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Congregate Care (Assisted)	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Gasoline/Service Station	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Health Club	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Hospital	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Medical Office Building	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Mobile Home Park	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Motel	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Place of Worship	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Retirement Community	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Single Family Housing	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Strip Mall	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069

Automobile Care Center	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
City Park	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Condo/Townhouse	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Congregate Care (Assisted Living)	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Gasoline/Service Station	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
General Office Building	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Health Club	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Hospital	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Medical Office Building	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Mobile Home Park	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Motel	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Other Asphalt Surfaces	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Other Non-Asphalt Surfaces	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Place of Worship	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Retirement Community	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Single Family Housing	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Strip Mall	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069

5.0 Energy Detail

Historical Energy Use: Y

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	1.6386	14.5114	9.6872	0.0894		1.1322	1.1322		1.1322	1.1322		17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490
NaturalGas Unmitigated	1.6386	14.5114	9.6872	0.0894		1.1322	1.1322		1.1322	1.1322		17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490

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					
Apartments Low Rise	30054.1	0.3241	2.7697	1.1786	0.0177		0.2239	0.2239		0.2239	0.2239		3,535.7730	3,535.7730	0.0678	0.0648	3,556.7843
Automobile Care Center	519.683	5.6000e-003	0.0510	0.0428	3.1000e-004		3.8700e-003	3.8700e-003		3.8700e-003	3.8700e-003		61.1392	61.1392	1.1700e-003	1.1200e-003	61.5025
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	8880.22	0.0958	0.8184	0.3482	5.2200e-003		0.0662	0.0662		0.0662	0.0662		1,044.7319	1,044.7319	0.0200	0.0192	1,050.9402
Congregate Care (Assisted Living)	2002.64	0.0216	0.1846	0.0785	1.1800e-003		0.0149	0.0149		0.0149	0.0149		235.6048	235.6048	4.5200e-003	4.3200e-003	237.0049
Gasoline/Service Station	388.839	4.1900e-003	0.0381	0.0320	2.3000e-004		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003		45.7458	45.7458	8.8000e-004	8.4000e-004	46.0176
General Office Building	361.247	3.9000e-003	0.0354	0.0298	2.1000e-004		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003		42.4997	42.4997	8.1000e-004	7.8000e-004	42.7522
Health Club	3268.62	0.0353	0.3205	0.2692	1.9200e-003		0.0244	0.0244		0.0244	0.0244		384.5436	384.5436	7.3700e-003	7.0500e-003	386.8287
Hospital	43223.2	0.4661	4.2376	3.5596	0.0254		0.3221	0.3221		0.3221	0.3221		5,085.0843	5,085.0843	0.0975	0.0932	5,115.3024

Medical Office Building	3370.71	0.0364	0.3305	0.2776	1.9800e-003	0.0251	0.0251	0.0251	0.0251	396.5543	396.5543	7.6000e-003	7.2700e-003	398.9108
Mobile Home Park	18911.9	0.2040	1.7429	0.7416	0.0111	0.1409	0.1409	0.1409	0.1409	2,224.9243	2,224.9243	0.0426	0.0408	2,238.1459
Motel	32543.8	0.3510	3.1906	2.6801	0.0191	0.2425	0.2425	0.2425	0.2425	3,828.6845	3,828.6845	0.0734	0.0702	3,851.4364
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	719.915	7.7600e-003	0.0706	0.0593	4.2000e-004	5.3600e-003	5.3600e-003	5.3600e-003	5.3600e-003	84.6959	84.6959	1.6200e-003	1.5500e-003	85.1992
Retirement Community	5061.27	0.0546	0.4664	0.1985	2.9800e-003	0.0377	0.0377	0.0377	0.0377	595.4430	595.4430	0.0114	0.0109	598.9815
Single Family Housing	603.078	6.5000e-003	0.0556	0.0237	3.5000e-004	4.4900e-003	4.4900e-003	4.4900e-003	4.4900e-003	70.9504	70.9504	1.3600e-003	1.3000e-003	71.3720
Strip Mall	2037.84	0.0220	0.1998	0.1678	1.2000e-003	0.0152	0.0152	0.0152	0.0152	239.7457	239.7457	4.6000e-003	4.4000e-003	241.1703
Total		1.6386	14.5114	9.6872	0.0894	1.1321	1.1321	1.1321	1.1321	17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490

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					
Apartments Low Rise	30.0541	0.3241	2.7697	1.1786	0.0177		0.2239	0.2239		0.2239	0.2239		3,535.7730	3,535.7730	0.0678	0.0648	3,556.7843
Automobile Care Center	0.519683	5.6000e-003	0.0510	0.0428	3.1000e-004		3.8700e-003	3.8700e-003		3.8700e-003	3.8700e-003		61.1392	61.1392	1.1700e-003	1.1200e-003	61.5025
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	8.88022	0.0958	0.8184	0.3482	5.2200e-003		0.0662	0.0662		0.0662	0.0662		1,044.7319	1,044.7319	0.0200	0.0192	1,050.9402

Congregate Care (Assisted Living)	2.00264	0.0216	0.1846	0.0785	1.1800e-003	0.0149	0.0149	0.0149	0.0149	235.6048	235.6048	4.5200e-003	4.3200e-003	237.0049
Gasoline/Service Station	0.388839	4.1900e-003	0.0381	0.0320	2.3000e-004	2.9000e-003	2.9000e-003	2.9000e-003	2.9000e-003	45.7458	45.7458	8.8000e-004	8.4000e-004	46.0176
General Office Building	0.361247	3.9000e-003	0.0354	0.0298	2.1000e-004	2.6900e-003	2.6900e-003	2.6900e-003	2.6900e-003	42.4997	42.4997	8.1000e-004	7.8000e-004	42.7522
Health Club	3.26862	0.0353	0.3205	0.2692	1.9200e-003	0.0244	0.0244	0.0244	0.0244	384.5436	384.5436	7.3700e-003	7.0500e-003	386.8287
Hospital	43.2232	0.4661	4.2376	3.5596	0.0254	0.3221	0.3221	0.3221	0.3221	5,085.0843	5,085.0843	0.0975	0.0932	5,115.3024
Medical Office Building	3.37071	0.0364	0.3305	0.2776	1.9800e-003	0.0251	0.0251	0.0251	0.0251	396.5543	396.5543	7.6000e-003	7.2700e-003	398.9108
Mobile Home Park	18.9119	0.2040	1.7429	0.7416	0.0111	0.1409	0.1409	0.1409	0.1409	2,224.9243	2,224.9243	0.0426	0.0408	2,238.1459
Motel	32.5438	0.3510	3.1906	2.6801	0.0191	0.2425	0.2425	0.2425	0.2425	3,828.6845	3,828.6845	0.0734	0.0702	3,851.4364
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.719915	7.7600e-003	0.0706	0.0593	4.2000e-004	5.3600e-003	5.3600e-003	5.3600e-003	5.3600e-003	84.6959	84.6959	1.6200e-003	1.5500e-003	85.1992
Retirement Community	5.06127	0.0546	0.4664	0.1985	2.9800e-003	0.0377	0.0377	0.0377	0.0377	595.4430	595.4430	0.0114	0.0109	598.9815
Single Family Housing	0.603078	6.5000e-003	0.0556	0.0237	3.5000e-004	4.4900e-003	4.4900e-003	4.4900e-003	4.4900e-003	70.9504	70.9504	1.3600e-003	1.3000e-003	71.3720
Strip Mall	2.03784	0.0220	0.1998	0.1678	1.2000e-003	0.0152	0.0152	0.0152	0.0152	239.7457	239.7457	4.6000e-003	4.4000e-003	241.1703
Total		1.6386	14.5114	9.6872	0.0894	1.1321	1.1321	1.1321	1.1321	17,876.1202	17,876.1202	0.3426	0.3277	17,982.3490

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	219.4670	26.4518	313.3957	0.4185		25.4164	25.4164		25.4164	25.4164	2,238.5709	29,810.3836	32,048.9545	0.8034	0.7395	32,289.4088
Unmitigated	219.4670	26.4518	313.3957	0.4185		25.4164	25.4164		25.4164	25.4164	2,238.5709	29,810.3836	32,048.9545	0.8034	0.7395	32,289.4088

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	5.7963					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	56.0721					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	153.4842	24.8690	176.1668	0.4112		24.6530	24.6530		24.6530	24.6530	2,238.5709	29,562.3529	31,800.9238	0.5666	0.7395	32,035.4594
Landscaping	4.1143	1.5828	137.2290	7.2800e-003		0.7633	0.7633		0.7633	0.7633		248.0307	248.0307	0.2368		253.9495
Total	219.4670	26.4518	313.3957	0.4185		25.4164	25.4164		25.4164	25.4164	2,238.5709	29,810.3836	32,048.9545	0.8034	0.7395	32,289.4088

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	5.7963					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	56.0721					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	153.4842	24.8690	176.1668	0.4112		24.6530	24.6530		24.6530	24.6530	2,238.5709	29,562.3529	31,800.9238	0.5666	0.7395	32,035.4594
Landscaping	4.1143	1.5828	137.2290	7.2800e-003		0.7633	0.7633		0.7633	0.7633		248.0307	248.0307	0.2368		253.9495
Total	219.4670	26.4518	313.3957	0.4185		25.4164	25.4164		25.4164	25.4164	2,238.5709	29,810.3836	32,048.9545	0.8034	0.7395	32,289.4088

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 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Operation - Existing 2035 - Orange County, Annual

Operation - Existing 2035
Orange County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	12.18	1000sqft	1.30	12,175.00	0
Hospital	242.12	1000sqft	12.80	242,119.00	0
Medical Office Building	113.60	1000sqft	7.60	113,602.00	0
Place of Worship	11.89	1000sqft	3.51	11,890.00	0
Other Asphalt Surfaces	41.60	Acre	41.60	0.00	0
Other Non-Asphalt Surfaces	42.10	Acre	42.10	0.00	0
City Park	22.80	Acre	22.80	11,601.00	0
Health Club	53.98	1000sqft	3.76	53,984.00	0
Motel	879.00	Room	14.50	327,773.00	0
Apartments Low Rise	941.00	Dwelling Unit	42.90	941,000.00	2691
Condo/Townhouse	193.00	Dwelling Unit	13.10	193,000.00	552
Congregate Care (Assisted Living)	80.00	Dwelling Unit	1.80	79,958.00	229
Mobile Home Park	336.00	Dwelling Unit	32.40	403,200.00	961
Retirement Community	110.00	Dwelling Unit	1.17	61,500.00	315
Single Family Housing	7.00	Dwelling Unit	0.66	12,600.00	20
Automobile Care Center	8.58	1000sqft	7.61	8,583.00	0
Gasoline/Service Station	20.00	Pump	1.62	6,422.00	0
Strip Mall	352.52	1000sqft	31.60	352,517.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2035
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MW hr)	1543.28	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on existing land uses.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Woodstoves - Assumes no woodstoves.

Energy Use - .

Water And Wastewater - Based on information provided by Fuscoe Engineering, Inc. For purposes of this analysis, water use is equally proportioned among the land uses.

Solid Waste - See Utilities and Service Systems chapter of the DEIR for further details. For purposes of this analysis, solid waste amounts are equally proportioned.

Fleet Mix - Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Highway 90 south of Lincoln Avenue.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	330.00	1.00
tblFireplaces	NumberGas	799.85	846.90
tblFireplaces	NumberGas	68.00	0.00
tblFireplaces	NumberNoFireplace	8.00	80.00
tblFireplaces	NumberWood	47.05	0.00
tblFireplaces	NumberWood	4.00	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Low Rise

tblFleetMix	FleetMixLandUseSubType	Hospital	Automobile Care Center
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	City Park
tblFleetMix	FleetMixLandUseSubType	Place of Worship	Condo/Townhouse
tblFleetMix	FleetMixLandUseSubType	Other Asphalt Surfaces	Congregate Care (Assisted Living)
tblFleetMix	FleetMixLandUseSubType	Other Non-Asphalt Surfaces	Gasoline/Service Station
tblFleetMix	FleetMixLandUseSubType	City Park	General Office Building
tblFleetMix	FleetMixLandUseSubType	Motel	Hospital
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Condo/Townhouse	Mobile Home Park
tblFleetMix	FleetMixLandUseSubType	Congregate Care (Assisted Living)	Motel
tblFleetMix	FleetMixLandUseSubType	Mobile Home Park	Other Asphalt Surfaces
tblFleetMix	FleetMixLandUseSubType	Retirement Community	Other Non-Asphalt Surfaces
tblFleetMix	FleetMixLandUseSubType	Single Family Housing	Place of Worship
tblFleetMix	FleetMixLandUseSubType	Automobile Care Center	Retirement Community
tblFleetMix	FleetMixLandUseSubType	Gasoline/Service Station	Single Family Housing
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003

tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD2	5.8100e-003	5.3800e-004
tblFleetMix	LHD2	5.8100e-003	5.3800e-004
tblFleetMix	LHD2	5.8100e-003	5.3800e-004

tblFleetMix	MCY	5.0120e-003	5.8840e-003
tblFleetMix	MCY	5.0120e-003	5.8840e-003
tblFleetMix	MCY	5.0120e-003	5.8840e-003
tblFleetMix	MCY	5.0120e-003	5.8840e-003
tblFleetMix	MCY	5.0120e-003	5.8840e-003
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tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
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tblFleetMix	MH	7.4900e-004	6.9000e-005
tblFleetMix	MH	7.4900e-004	6.9000e-005

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tblFleetMix	MHD	0.03	2.5480e-003
tblFleetMix	MHD	0.03	2.5480e-003
tblFleetMix	MHD	0.03	2.5480e-003
tblFleetMix	MHD	0.03	2.5480e-003
tblFleetMix	MHD	0.03	2.5480e-003
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
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tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
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tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	SBUS	6.4100e-004	5.9000e-005
tblFleetMix	SBUS	6.4100e-004	5.9000e-005
tblFleetMix	SBUS	6.4100e-004	5.9000e-005

tblFleetMix	UBUS	1.4190e-003	1.3100e-004
tblFleetMix	UBUS	1.4190e-003	1.3100e-004
tblFleetMix	UBUS	1.4190e-003	1.3100e-004
tblFleetMix	UBUS	1.4190e-003	1.3100e-004
tblFleetMix	UBUS	1.4190e-003	1.3100e-004
tblFleetMix	UBUS	1.4190e-003	1.3100e-004
tblLandUse	BuildingSpaceSquareFeet	12,180.00	12,175.00
tblLandUse	BuildingSpaceSquareFeet	242,120.00	242,119.00
tblLandUse	BuildingSpaceSquareFeet	113,600.00	113,602.00
tblLandUse	BuildingSpaceSquareFeet	1,812,096.00	0.00
tblLandUse	BuildingSpaceSquareFeet	1,833,876.00	0.00
tblLandUse	BuildingSpaceSquareFeet	0.00	11,601.00
tblLandUse	BuildingSpaceSquareFeet	53,980.00	53,984.00
tblLandUse	BuildingSpaceSquareFeet	1,723,015.80	327,773.00
tblLandUse	BuildingSpaceSquareFeet	80,000.00	79,958.00
tblLandUse	BuildingSpaceSquareFeet	110,000.00	61,500.00
tblLandUse	BuildingSpaceSquareFeet	8,580.00	8,583.00
tblLandUse	BuildingSpaceSquareFeet	2,823.50	6,422.00
tblLandUse	BuildingSpaceSquareFeet	352,520.00	352,517.00
tblLandUse	GreenSpaceSquareFeet	993,168.00	0.00
tblLandUse	LandUseSquareFeet	12,180.00	12,175.00
tblLandUse	LandUseSquareFeet	242,120.00	242,119.00
tblLandUse	LandUseSquareFeet	113,600.00	113,602.00
tblLandUse	LandUseSquareFeet	1,812,096.00	0.00
tblLandUse	LandUseSquareFeet	1,833,876.00	0.00
tblLandUse	LandUseSquareFeet	993,168.00	11,601.00
tblLandUse	LandUseSquareFeet	53,980.00	53,984.00

tblLandUse	LandUseSquareFeet	1,723,015.80	327,773.00
tblLandUse	LandUseSquareFeet	80,000.00	79,958.00
tblLandUse	LandUseSquareFeet	110,000.00	61,500.00
tblLandUse	LandUseSquareFeet	8,580.00	8,583.00
tblLandUse	LandUseSquareFeet	2,823.50	6,422.00
tblLandUse	LandUseSquareFeet	352,520.00	352,517.00
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tblLandUse	LotAcreage	5.56	12.80
tblLandUse	LotAcreage	2.61	7.60
tblLandUse	LotAcreage	0.27	3.51
tblLandUse	LotAcreage	1.24	3.76
tblLandUse	LotAcreage	39.55	14.50
tblLandUse	LotAcreage	58.81	42.90
tblLandUse	LotAcreage	12.06	13.10
tblLandUse	LotAcreage	5.00	1.80
tblLandUse	LotAcreage	42.33	32.40
tblLandUse	LotAcreage	22.00	1.17
tblLandUse	LotAcreage	2.27	0.66
tblLandUse	LotAcreage	0.20	7.61
tblLandUse	LotAcreage	0.06	1.62
tblLandUse	LotAcreage	8.09	31.60
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	432.86	662.00
tblSolidWaste	SolidWasteGenerationRate	32.78	662.00
tblSolidWaste	SolidWasteGenerationRate	1.96	662.00
tblSolidWaste	SolidWasteGenerationRate	88.78	662.00
tblSolidWaste	SolidWasteGenerationRate	73.00	662.00

tblSolidWaste	SolidWasteGenerationRate	10.78	662.00
tblSolidWaste	SolidWasteGenerationRate	11.33	662.00
tblSolidWaste	SolidWasteGenerationRate	307.69	662.00
tblSolidWaste	SolidWasteGenerationRate	2,614.90	662.00
tblSolidWaste	SolidWasteGenerationRate	1,226.88	662.00
tblSolidWaste	SolidWasteGenerationRate	154.56	662.00
tblSolidWaste	SolidWasteGenerationRate	481.25	662.00
tblSolidWaste	SolidWasteGenerationRate	67.77	662.00
tblSolidWaste	SolidWasteGenerationRate	50.60	662.00
tblSolidWaste	SolidWasteGenerationRate	8.20	662.00
tblSolidWaste	SolidWasteGenerationRate	370.15	662.00
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tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	79.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	64.10	100.00
tblVehicleTrips	CC_TTP	16.10	100.00

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tblVehicleTrips	CNW_TL	6.90	0.00
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tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
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tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
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tblVehicleTrips	DV_TP	11.00	0.00
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tblVehicleTrips	DV_TP	11.00	0.00

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tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
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tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00

tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
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tblVehicleTrips	HW_TL	14.70	7.00
tblVehicleTrips	HW_TL	14.70	7.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	HW_TTP	40.20	100.00
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tblVehicleTrips	PB_TP	11.00	0.00

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tblVehicleTrips	PB_TP	3.00	0.00
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tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	64.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
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tblVehicleTrips	ST_TR	22.75	55.62
tblVehicleTrips	ST_TR	5.67	6.57
tblVehicleTrips	ST_TR	2.20	15.85
tblVehicleTrips	ST_TR	168.56	63.40
tblVehicleTrips	ST_TR	2.46	104.15
tblVehicleTrips	ST_TR	20.87	23.49

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tblVehicleTrips	ST_TR	8.96	11.16
tblVehicleTrips	ST_TR	5.00	3.77
tblVehicleTrips	ST_TR	5.63	1.44
tblVehicleTrips	ST_TR	10.37	106.65
tblVehicleTrips	ST_TR	2.03	11.53
tblVehicleTrips	ST_TR	9.91	181.15
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tblVehicleTrips	SU_TR	4.84	6.57
tblVehicleTrips	SU_TR	2.44	15.85
tblVehicleTrips	SU_TR	168.56	63.40
tblVehicleTrips	SU_TR	1.05	104.15
tblVehicleTrips	SU_TR	26.73	23.49
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tblVehicleTrips	SU_TR	8.62	181.15
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tblVehicleTrips	WD_TR	1.89	55.62

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tblVehicleTrips	WD_TR	2.74	15.85
tblVehicleTrips	WD_TR	168.56	63.40
tblVehicleTrips	WD_TR	11.03	104.15
tblVehicleTrips	WD_TR	32.93	23.49
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tblVehicleTrips	WD_TR	9.11	106.65
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tblWater	AerobicPercent	87.46	100.00
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tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

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tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
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tblWater	IndoorWaterUseRate	5,212,322.05	6,759,640.00

tblWater	IndoorWaterUseRate	265,637.78	6,759,640.00
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tblWater	IndoorWaterUseRate	372,025.12	6,759,640.00
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tblWater	OutdoorWaterUseRate	38,651,917.50	10,662,243.00
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tblWater	OutdoorWaterUseRate	27,165,774.77	10,662,243.00
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tblWater	OutdoorWaterUseRate	162,810.25	10,662,243.00
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tblWater	OutdoorWaterUseRate	1,956,722.30	10,662,243.00
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tblWoodstoves	NumberNoncatalytic	9.65	0.00
tblWoodstoves	NumberNoncatalytic	4.00	0.00

tblWoodstoves	NumberNoncatalytic	16.80	0.00
tblWoodstoves	NumberNoncatalytic	5.50	0.00
tblWoodstoves	NumberNoncatalytic	0.35	0.00

2.0 Emissions Summary

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	13.7238	0.5087	19.3557	6.0500e-003		0.4036	0.4036		0.4036	0.4036	25.3850	363.3577	388.7426	0.0333	8.3900e-003	392.0734
Energy	0.2991	2.6483	1.7679	0.0163		0.2066	0.2066		0.2066	0.2066	0.0000	18,398.118	18,398.118	0.3468	0.1143	18,440.8385
Mobile	2.4101	4.0703	29.6580	0.1238	19.3192	0.0677	19.3869	5.1320	0.0624	5.1944	0.0000	11,297.9557	11,297.9557	0.3352	0.0000	11,306.3347
Waste						0.0000	0.0000		0.0000	0.0000	2,150.0803	0.0000	2,150.0803	127.0661	0.0000	5,326.7329
Water						0.0000	0.0000		0.0000	0.0000	38.2651	2,312.5839	2,350.8490	0.1752	0.0922	2,382.7051
Total	16.4330	7.2273	50.7817	0.1461	19.3192	0.6779	19.9971	5.1320	0.6726	5.8046	2,213.7304	32,372.0090	34,585.7394	127.9565	0.2149	37,848.6846

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
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Category	tons/yr										MT/yr					
	Area	13.7238	0.5087	19.3557	6.0500e-003		0.4036	0.4036		0.4036	0.4036	25.3850	363.3577	388.7426	0.0333	8.3900e-003
Energy	0.2991	2.6483	1.7679	0.0163		0.2066	0.2066		0.2066	0.2066	0.0000	18,398.118	18,398.1118	0.3468	0.1143	18,440.8385
Mobile	2.4101	4.0703	29.6580	0.1238	19.3192	0.0677	19.3869	5.1320	0.0624	5.1944	0.0000	11,297.9557	11,297.9557	0.3352	0.0000	11,306.3347
Waste						0.0000	0.0000		0.0000	0.0000	2,150.0803	0.0000	2,150.0803	127.0661	0.0000	5,326.7329
Water						0.0000	0.0000		0.0000	0.0000	38.2651	2,312.5839	2,350.8490	0.1752	0.0922	2,382.7051
Total	16.4330	7.2273	50.7817	0.1461	19.3192	0.6779	19.9971	5.1320	0.6726	5.8046	2,213.7304	32,372.0090	34,585.7394	127.9565	0.2149	37,848.6846

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.4101	4.0703	29.6580	0.1238	19.3192	0.0677	19.3869	5.1320	0.0624	5.1944	0.0000	11,297.9557	11,297.9557	0.3352	0.0000	11,306.3347
Unmitigated	2.4101	4.0703	29.6580	0.1238	19.3192	0.0677	19.3869	5.1320	0.0624	5.1944	0.0000	11,297.9557	11,297.9557	0.3352	0.0000	11,306.3347

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,270.35	1,270.35	1270.35	3,236,852	3,236,852
Automobile Care Center	1,267.61	1,267.61	1267.61	3,229,868	3,229,868
City Park	1,268.14	1,268.14	1268.14	3,231,211	3,231,211
Condo/Townhouse	1,268.01	1,268.01	1268.01	3,230,889	3,230,889
Congregate Care (Assisted Living)	1,268.00	1,268.00	1268.00	3,230,864	3,230,864
Gasoline/Service Station	1,268.00	1,268.00	1268.00	3,230,864	3,230,864
General Office Building	1,268.55	1,268.55	1268.55	3,232,258	3,232,258
Health Club	1,267.99	1,267.99	1267.99	3,230,839	3,230,839
Hospital	1,268.71	1,268.71	1268.71	3,232,670	3,232,670
Medical Office Building	1,267.78	1,267.78	1267.78	3,230,293	3,230,293
Mobile Home Park	1,266.72	1,266.72	1266.72	3,227,603	3,227,603
Motel	1,265.76	1,265.76	1265.76	3,225,156	3,225,156
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Place of Worship	1,268.07	1,268.07	1268.07	3,231,039	3,231,039
Retirement Community	1,268.30	1,268.30	1268.30	3,231,628	3,231,628
Single Family Housing	1,268.05	1,268.05	1268.05	3,230,991	3,230,991
Strip Mall	1,269.07	1,269.07	1269.07	3,233,595	3,233,595
Total	20,289.10	20,289.10	20,289.10	51,696,621	51,696,621

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 Low Rise	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Automobile Care Center	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
City Park	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Condo/Townhouse	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Congregate Care (Assisted)	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Gasoline/Service Station	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0

General Office Building	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Health Club	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Hospital	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Medical Office Building	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Mobile Home Park	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Motel	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Place of Worship	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0
Retirement Community	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Single Family Housing	7.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Strip Mall	0.00	7.00	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Automobile Care Center	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
City Park	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Condo/Townhouse	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Congregate Care (Assisted Living)	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Gasoline/Service Station	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
General Office Building	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Health Club	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Hospital	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Medical Office Building	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Mobile Home Park	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Motel	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Other Asphalt Surfaces	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Other Non-Asphalt Surfaces	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069

Place of Worship	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Retirement Community	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Single Family Housing	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Strip Mall	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069

5.0 Energy Detail

Historical Energy Use: Y

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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	15,438.5196	15,438.5196	0.2901	0.0600	15,463.6590
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	15,438.5196	15,438.5196	0.2901	0.0600	15,463.6590
NaturalGas Mitigated	0.2991	2.6483	1.7679	0.0163		0.2066	0.2066		0.2066	0.2066	0.0000	2,959.5922	2,959.5922	0.0567	0.0543	2,977.1796
NaturalGas Unmitigated	0.2991	2.6483	1.7679	0.0163		0.2066	0.2066		0.2066	0.2066	0.0000	2,959.5922	2,959.5922	0.0567	0.0543	2,977.1796

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	tons/yr										MT/yr					
Apartments Low Rise	1.09697e+007	0.0592	0.5055	0.2151	3.2300e-003		0.0409	0.0409		0.0409	0.0409	0.0000	585.3869	585.3869	0.0112	0.0107	588.8655
Automobile Care Center	189684	1.0200e-003	9.3000e-003	7.8100e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	10.1223	10.1223	1.9000e-004	1.9000e-004	10.1824
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	3.24128e+006	0.0175	0.1494	0.0636	9.5000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	172.9671	172.9671	3.3200e-003	3.1700e-003	173.9949
Congregate Care (Assisted Living)	730964	3.9400e-003	0.0337	0.0143	2.1000e-004		2.7200e-003	2.7200e-003		2.7200e-003	2.7200e-003	0.0000	39.0070	39.0070	7.5000e-004	7.2000e-004	39.2388
Gasoline/Service Station	141926	7.7000e-004	6.9600e-003	5.8400e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.5737	7.5737	1.5000e-004	1.4000e-004	7.6187
General Office Building	131855	7.1000e-004	6.4600e-003	5.4300e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	7.0363	7.0363	1.3000e-004	1.3000e-004	7.0781
Health Club	1.19305e+006	6.4300e-003	0.0585	0.0491	3.5000e-004		4.4400e-003	4.4400e-003		4.4400e-003	4.4400e-003	0.0000	63.6655	63.6655	1.2200e-003	1.1700e-003	64.0438
Hospital	1.57765e+007	0.0851	0.7734	0.6496	4.6400e-003		0.0588	0.0588		0.0588	0.0588	0.0000	841.8927	841.8927	0.0161	0.0154	846.8957
Medical Office Building	1.23031e+006	6.6300e-003	0.0603	0.0507	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003	0.0000	65.6540	65.6540	1.2600e-003	1.2000e-003	66.0442
Mobile Home Park	6.90283e+006	0.0372	0.3181	0.1354	2.0300e-003		0.0257	0.0257		0.0257	0.0257	0.0000	368.3612	368.3612	7.0600e-003	6.7500e-003	370.5502
Motel	1.18785e+007	0.0641	0.5823	0.4891	3.4900e-003		0.0443	0.0443		0.0443	0.0443	0.0000	633.8817	633.8817	0.0122	0.0116	637.6485
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	262769	1.4200e-003	0.0129	0.0108	8.0000e-005		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	14.0224	14.0224	2.7000e-004	2.6000e-004	14.1057
Retirement Community	1.84736e+006	9.9600e-003	0.0851	0.0362	5.4000e-004		6.8800e-003	6.8800e-003		6.8800e-003	6.8800e-003	0.0000	98.5823	98.5823	1.8900e-003	1.8100e-003	99.1681
Single Family Housing	220124	1.1900e-003	0.0101	4.3200e-003	6.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	11.7466	11.7466	2.3000e-004	2.2000e-004	11.8164
Strip Mall	743811	4.0100e-003	0.0365	0.0306	2.2000e-004		2.7700e-003	2.7700e-003		2.7700e-003	2.7700e-003	0.0000	39.6926	39.6926	7.6000e-004	7.3000e-004	39.9285

Total		0.2991	2.6483	1.7679	0.0163		0.2066	0.2066		0.2066	0.2066	0.0000	2,959.5922	2,959.5922	0.0567	0.0543	2,977.1795
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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	tons/yr										MT/yr					
Apartments Low Rise	1.09697e+007	0.0592	0.5055	0.2151	3.2300e-003		0.0409	0.0409		0.0409	0.0409	0.0000	585.3869	585.3869	0.0112	0.0107	588.8655
Automobile Care Center	189684	1.0200e-003	9.3000e-003	7.8100e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	10.1223	10.1223	1.9000e-004	1.9000e-004	10.1824
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	3.24128e+006	0.0175	0.1494	0.0636	9.5000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	172.9671	172.9671	3.3200e-003	3.1700e-003	173.9949
Congregate Care (Assisted Living)	730964	3.9400e-003	0.0337	0.0143	2.1000e-004		2.7200e-003	2.7200e-003		2.7200e-003	2.7200e-003	0.0000	39.0070	39.0070	7.5000e-004	7.2000e-004	39.2388
Gasoline/Service Station	141926	7.7000e-004	6.9600e-003	5.8400e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.5737	7.5737	1.5000e-004	1.4000e-004	7.6187
General Office Building	131855	7.1000e-004	6.4600e-003	5.4300e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	7.0363	7.0363	1.3000e-004	1.3000e-004	7.0781
Health Club	1.19305e+006	6.4300e-003	0.0585	0.0491	3.5000e-004		4.4400e-003	4.4400e-003		4.4400e-003	4.4400e-003	0.0000	63.6655	63.6655	1.2200e-003	1.1700e-003	64.0438
Hospital	1.57765e+007	0.0851	0.7734	0.6496	4.6400e-003		0.0588	0.0588		0.0588	0.0588	0.0000	841.8927	841.8927	0.0161	0.0154	846.8957
Medical Office Building	1.23031e+006	6.6300e-003	0.0603	0.0507	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003	0.0000	65.6540	65.6540	1.2600e-003	1.2000e-003	66.0442
Mobile Home Park	6.90283e+006	0.0372	0.3181	0.1354	2.0300e-003		0.0257	0.0257		0.0257	0.0257	0.0000	368.3612	368.3612	7.0600e-003	6.7500e-003	370.5502
Motel	1.18785e+007	0.0641	0.5823	0.4891	3.4900e-003		0.0443	0.0443		0.0443	0.0443	0.0000	633.8817	633.8817	0.0122	0.0116	637.6485
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	262769	1.4200e-003	0.0129	0.0108	8.0000e-005	9.8000e-004	9.8000e-004	9.8000e-004	9.8000e-004	0.0000	14.0224	14.0224	2.7000e-004	2.6000e-004	14.1057		
Retirement Community	1.84736e+006	9.9600e-003	0.0851	0.0362	5.4000e-004	6.8800e-003	6.8800e-003	6.8800e-003	6.8800e-003	0.0000	98.5823	98.5823	1.8900e-003	1.8100e-003	99.1681		
Single Family Housing	220124	1.1900e-003	0.0101	4.3200e-003	6.0000e-005	8.2000e-004	8.2000e-004	8.2000e-004	8.2000e-004	0.0000	11.7466	11.7466	2.3000e-004	2.2000e-004	11.8164		
Strip Mall	743811	4.0100e-003	0.0365	0.0306	2.2000e-004	2.7700e-003	2.7700e-003	2.7700e-003	2.7700e-003	0.0000	39.6926	39.6926	7.6000e-004	7.3000e-004	39.9285		
Total		0.2991	2.6483	1.7679	0.0163	0.2066	0.2066	0.2066	0.2066	0.0000	2,959.5922	2,959.5922	0.0567	0.0543	2,977.1795		

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	3.42506e+006	2,397.6115	0.0451	9.3200e-003	2,401.5156
Automobile Care Center	82825.9	57.9798	1.0900e-003	2.3000e-004	58.0742
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	843991	590.8106	0.0111	2.3000e-003	591.7726
Congregate Care (Assisted Living)	281876	197.3189	3.7100e-003	7.7000e-004	197.6402
Gasoline/Service Station	61972.3	43.3819	8.2000e-004	1.7000e-004	43.4525
General Office Building	199427	139.6026	2.6200e-003	5.4000e-004	139.8299
Health Club	520946	364.6724	6.8500e-003	1.4200e-003	365.2662

Hospital	4.20561e+006	2,944.0092	0.0553	0.0115	2,948.8031
Medical Office Building	1.8608e+006	1,302.5978	0.0245	5.0600e-003	1,304.7189
Mobile Home Park	1.71674e+006	1,201.7559	0.0226	4.6700e-003	1,203.7127
Motel	3.47112e+006	2,429.8508	0.0457	9.4500e-003	2,433.8074
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	114739	80.3193	1.5100e-003	3.1000e-004	80.4500
Retirement Community	481031	336.7314	6.3300e-003	1.3100e-003	337.2797
Single Family Housing	50431.5	35.3031	6.6000e-004	1.4000e-004	35.3606
Strip Mall	4.73783e+006	3,316.5749	0.0623	0.0129	3,321.9754
Total		15,438.5197	0.2901	0.0600	15,463.6589

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	3.42506e+006	2,397.6115	0.0451	9.3200e-003	2,401.5156
Automobile Care Center	82825.9	57.9798	1.0900e-003	2.3000e-004	58.0742
City Park	0	0.0000	0.0000	0.0000	0.0000

Condo/Townhouse	843991	590.8106	0.0111	2.3000e-003	591.7726
Congregate Care (Assisted Living)	281876	197.3189	3.7100e-003	7.7000e-004	197.6402
Gasoline/Service Station	61972.3	43.3819	8.2000e-004	1.7000e-004	43.4525
General Office Building	199427	139.6026	2.6200e-003	5.4000e-004	139.8299
Health Club	520946	364.6724	6.8500e-003	1.4200e-003	365.2662
Hospital	4.20561e+006	2,944.0092	0.0553	0.0115	2,948.8031
Medical Office Building	1.8608e+006	1,302.5978	0.0245	5.0600e-003	1,304.7189
Mobile Home Park	1.71674e+006	1,201.7559	0.0226	4.6700e-003	1,203.7127
Motel	3.47112e+006	2,429.8508	0.0457	9.4500e-003	2,433.8074
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	114739	80.3193	1.5100e-003	3.1000e-004	80.4500
Retirement Community	481031	336.7314	6.3300e-003	1.3100e-003	337.2797
Single Family Housing	50431.5	35.3031	6.6000e-004	1.4000e-004	35.3606
Strip Mall	4.73783e+006	3,316.5749	0.0623	0.0129	3,321.9754
Total		15,438.5197	0.2901	0.0600	15,463.6589

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	13.7238	0.5087	19.3557	6.0500e-003		0.4036	0.4036		0.4036	0.4036	25.3850	363.3577	388.7426	0.0333	8.3900e-003	392.0734
Unmitigated	13.7238	0.5087	19.3557	6.0500e-003		0.4036	0.4036		0.4036	0.4036	25.3850	363.3577	388.7426	0.0333	8.3900e-003	392.0734

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	1.0578					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	10.2332					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.9186	0.3109	2.2021	5.1400e-003		0.3082	0.3082		0.3082	0.3082	25.3850	335.2314	360.6164	6.4300e-003	8.3900e-003	363.2760
Landscaping	0.5143	0.1979	17.1536	9.1000e-004		0.0954	0.0954		0.0954	0.0954	0.0000	28.1262	28.1262	0.0269	0.0000	28.7974
Total	13.7238	0.5087	19.3557	6.0500e-003		0.4036	0.4036		0.4036	0.4036	25.3850	363.3577	388.7426	0.0333	8.3900e-003	392.0734

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	1.0578					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	10.2332					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.9186	0.3109	2.2021	5.1400e-003		0.3082	0.3082		0.3082	0.3082	25.3850	335.2314	360.6164	6.4300e-003	8.3900e-003	363.2760
Landscaping	0.5143	0.1979	17.1536	9.1000e-004		0.0954	0.0954		0.0954	0.0954	0.0000	28.1262	28.1262	0.0269	0.0000	28.7974
Total	13.7238	0.5087	19.3557	6.0500e-003		0.4036	0.4036		0.4036	0.4036	25.3850	363.3577	388.7426	0.0333	8.3900e-003	392.0734

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2,350.8490	0.1752	0.0922	2,382.7051
Unmitigated	2,350.8490	0.1752	0.0922	2,382.7051

7.2 Water by Land Use
Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Automobile Care Center	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
City Park	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Condo/Townhouse	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Congregate Care (Assisted Living)	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Gasoline/Service Station	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
General Office Building	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Health Club	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Hospital	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Medical Office Building	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Mobile Home Park	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Motel	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000

Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Retirement Community	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Single Family Housing	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Strip Mall	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Total		2,350.8490	0.1752	0.0922	2,382.7051

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Automobile Care Center	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
City Park	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Condo/Townhouse	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Congregate Care (Assisted Living)	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Gasoline/Service Station	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
General Office Building	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Health Club	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191

Hospital	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Medical Office Building	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Mobile Home Park	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Motel	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Retirement Community	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Single Family Housing	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Strip Mall	6.75964 / 10.6622	146.9281	0.0110	5.7600e-003	148.9191
Total		2,350.8490	0.1752	0.0922	2,382.7051

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2,150.0803	127.0661	0.0000	5,326.7329

Unmitigated	2,150.0803	127.0661	0.0000	5,326.7329
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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	662	134.3800	7.9416	0.0000	332.9208
Automobile Care Center	662	134.3800	7.9416	0.0000	332.9208
City Park	662	134.3800	7.9416	0.0000	332.9208
Condo/Townhouse	662	134.3800	7.9416	0.0000	332.9208
Congregate Care (Assisted Living)	662	134.3800	7.9416	0.0000	332.9208
Gasoline/Service Station	662	134.3800	7.9416	0.0000	332.9208
General Office Building	662	134.3800	7.9416	0.0000	332.9208
Health Club	662	134.3800	7.9416	0.0000	332.9208
Hospital	662	134.3800	7.9416	0.0000	332.9208
Medical Office Building	662	134.3800	7.9416	0.0000	332.9208
Mobile Home Park	662	134.3800	7.9416	0.0000	332.9208
Motel	662	134.3800	7.9416	0.0000	332.9208

Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	662	134.3800	7.9416	0.0000	332.9208
Retirement Community	662	134.3800	7.9416	0.0000	332.9208
Single Family Housing	662	134.3800	7.9416	0.0000	332.9208
Strip Mall	662	134.3800	7.9416	0.0000	332.9208
Total		2,150.0803	127.0661	0.0000	5,326.7330

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	662	134.3800	7.9416	0.0000	332.9208
Automobile Care Center	662	134.3800	7.9416	0.0000	332.9208
City Park	662	134.3800	7.9416	0.0000	332.9208
Condo/Townhouse	662	134.3800	7.9416	0.0000	332.9208
Congregate Care (Assisted Living)	662	134.3800	7.9416	0.0000	332.9208
Gasoline/Service Station	662	134.3800	7.9416	0.0000	332.9208
General Office Building	662	134.3800	7.9416	0.0000	332.9208
Health Club	662	134.3800	7.9416	0.0000	332.9208
Hospital	662	134.3800	7.9416	0.0000	332.9208

Medical Office Building	662	134.3800	7.9416	0.0000	332.9208
Mobile Home Park	662	134.3800	7.9416	0.0000	332.9208
Motel	662	134.3800	7.9416	0.0000	332.9208
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	662	134.3800	7.9416	0.0000	332.9208
Retirement Community	662	134.3800	7.9416	0.0000	332.9208
Single Family Housing	662	134.3800	7.9416	0.0000	332.9208
Strip Mall	662	134.3800	7.9416	0.0000	332.9208
Total		2,150.0803	127.0661	0.0000	5,326.733

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

**Operation - Existing 2035
Orange County, Mitigation Report**

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.25	0.57		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00		
	Land Use	Land Use SubTotal	0.00		
No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		
No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

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

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

Water Mitigation Measures

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

Solid Waste Mitigation

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

Operation - Existing 2035 - Orange County, Summary Report

**Operation - Existing 2035
Orange, Summary Report**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	12.18	1000sqft	1.30	12,175.00	0
Hospital	242.12	1000sqft	12.80	242,119.00	0
Medical Office Building	113.60	1000sqft	7.60	113,602.00	0
Place of Worship	11.89	1000sqft	3.51	11,890.00	0
Other Asphalt Surfaces	41.60	Acre	41.60	0.00	0
Other Non-Asphalt Surfaces	42.10	Acre	42.10	0.00	0
City Park	22.80	Acre	22.80	11,601.00	0
Health Club	53.98	1000sqft	3.76	53,984.00	0
Motel	879.00	Room	14.50	327,773.00	0
Apartments Low Rise	941.00	Dwelling Unit	42.90	941,000.00	2691
Condo/Townhouse	193.00	Dwelling Unit	13.10	193,000.00	552
Congregate Care (Assisted Living)	80.00	Dwelling Unit	1.80	79,958.00	229
Mobile Home Park	336.00	Dwelling Unit	32.40	403,200.00	961
Retirement Community	110.00	Dwelling Unit	1.17	61,500.00	315
Single Family Housing	7.00	Dwelling Unit	0.66	12,600.00	20
Automobile Care Center	8.58	1000sqft	7.61	8,583.00	0
Gasoline/Service Station	20.00	Pump	1.62	6,422.00	0
Strip Mall	352.52	1000sqft	31.60	352,517.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2035
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MW hr)	1543.28	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on existing land uses.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Woodstoves - Assumes no woodstoves.

Energy Use - .

Water And Wastewater - Based on information provided by Fuscoe Engineering, Inc. For purposes of this analysis, water use is equally proportioned among the

Solid Waste - See Utilities and Service Systems chapter of the DEIR for further details. For purposes of this analysis, solid waste amounts are equally proportioned.

Fleet Mix - Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Highway 39 north of Lincoln Avenue.

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

	Unmitigated						Mitigated					
	ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
Operational Activity	lb/day											

On-Site	Area	219.4670 S	26.4518 S	313.3957 S	0.4185 S	25.4164 S	25.4164 S	219.4670 S	26.4518 S	313.3957 S	0.4185 S	25.4164 S	25.4164 S
On-Site	Energy	1.6386 S	14.5114 S	9.6872 S	0.0894 S	1.1322 S	1.1322 S	1.6386 S	14.5114 S	9.6872 S	0.0894 S	1.1322 S	1.1322 S
Off-Site	Mobile	14.0099 S	21.9605 W	168.3800 S	0.7069 S	108.4510 W	29.0147 W	14.0099 S	21.9605 W	168.3800 S	0.7069 S	108.4510 W	29.0147 W
	Peak Daily Total	235.1155 S	62.9237 W	491.4630 S	1.2148 S	134.9995 W	55.5632 W	235.1155 S	62.9237 W	491.4630 S	1.2148 S	134.9995 W	55.5632 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2035	34,585.7394	127.9565	0.2149	37,848.6829	34,585.7394	127.9565	0.2149	37,848.6829
	Total								
	Significance Threshold								
	Exceed Significance?								

CalEEMod Output – Operation: Existing Remaining Uses

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Operation - Remaining Existing - Orange County, Summer

**Operation - Remaining Existing
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	146.01	1000sqft	4.10	146,009.00	0
Medical Office Building	106.63	1000sqft	0.00	106,632.00	0
Other Asphalt Surfaces	41.60	Acre	41.60	0.00	0
City Park	22.80	Acre	22.80	11,601.00	0
Health Club	29.13	1000sqft	0.00	29,134.00	0
Motel	51.00	Room	0.84	18,928.00	0
Apartments Low Rise	888.00	Dwelling Unit	42.90	888,000.00	2540
Condo/Townhouse	193.00	Dwelling Unit	13.10	193,000.00	552
Mobile Home Park	307.00	Dwelling Unit	14.20	368,400.00	878
Strip Mall	1.27	1000sqft	0.00	1,268.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2035
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1543.28	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on the anticipated remaining existing land uses.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Woodstoves - Assume no woodstoves

Energy Use -

Water And Wastewater - Based on information provided by Fuscoe Engineering, Inc.

Solid Waste - See Utilities and Service Systems chapter of the DEIR.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	1.00
tblFireplaces	NumberGas	754.80	799.20
tblFireplaces	NumberWood	44.40	0.00
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tblFleetMix	FleetMixLandUseSubType	Medical Office Building	City Park
tblFleetMix	FleetMixLandUseSubType	Other Asphalt Surfaces	Condo/Townhouse
tblFleetMix	FleetMixLandUseSubType	City Park	Health Club
tblFleetMix	FleetMixLandUseSubType	Health Club	Hospital
tblFleetMix	FleetMixLandUseSubType	Motel	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Mobile Home Park
tblFleetMix	FleetMixLandUseSubType	Condo/Townhouse	Motel
tblFleetMix	FleetMixLandUseSubType	Mobile Home Park	Other Asphalt Surfaces
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tblFleetMix	HHD	0.02	5.9670e-003
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tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
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tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005

tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblLandUse	BuildingSpaceSquareFeet	146,010.00	146,009.00
tblLandUse	BuildingSpaceSquareFeet	106,630.00	106,632.00
tblLandUse	BuildingSpaceSquareFeet	1,812,096.00	0.00
tblLandUse	BuildingSpaceSquareFeet	0.00	11,601.00
tblLandUse	BuildingSpaceSquareFeet	29,130.00	29,134.00
tblLandUse	BuildingSpaceSquareFeet	99,970.20	18,928.00
tblLandUse	BuildingSpaceSquareFeet	1,270.00	1,268.00
tblLandUse	GreenSpaceSquareFeet	993,168.00	0.00
tblLandUse	LandUseSquareFeet	146,010.00	146,009.00

tblLandUse	LandUseSquareFeet	106,630.00	106,632.00
tblLandUse	LandUseSquareFeet	1,812,096.00	0.00
tblLandUse	LandUseSquareFeet	993,168.00	11,601.00
tblLandUse	LandUseSquareFeet	29,130.00	29,134.00
tblLandUse	LandUseSquareFeet	99,970.20	18,928.00
tblLandUse	LandUseSquareFeet	1,270.00	1,268.00
tblLandUse	LotAcreage	3.35	4.10
tblLandUse	LotAcreage	2.45	0.00
tblLandUse	LotAcreage	0.67	0.00
tblLandUse	LotAcreage	2.29	0.84
tblLandUse	LotAcreage	55.50	42.90
tblLandUse	LotAcreage	12.06	13.10
tblLandUse	LotAcreage	38.68	14.20
tblLandUse	LotAcreage	0.03	0.00
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	408.48	2,003.39
tblSolidWaste	SolidWasteGenerationRate	1.96	1,637.18
tblSolidWaste	SolidWasteGenerationRate	88.78	774.86
tblSolidWaste	SolidWasteGenerationRate	166.04	2,003.39
tblSolidWaste	SolidWasteGenerationRate	1,576.91	493.76
tblSolidWaste	SolidWasteGenerationRate	1,151.60	2,003.39
tblSolidWaste	SolidWasteGenerationRate	141.22	2,003.39
tblSolidWaste	SolidWasteGenerationRate	27.92	223.09
tblSolidWaste	SolidWasteGenerationRate	1.33	2.33
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00

tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	64.10	100.00
tblVehicleTrips	CC_TTP	16.10	100.00
tblVehicleTrips	CC_TTP	51.40	100.00
tblVehicleTrips	CC_TTP	62.00	100.00
tblVehicleTrips	CC_TTP	64.40	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00

tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	16.90	0.00
tblVehicleTrips	CW_TTP	64.90	0.00
tblVehicleTrips	CW_TTP	29.60	0.00
tblVehicleTrips	CW_TTP	19.00	0.00
tblVehicleTrips	CW_TTP	16.60	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00

tblVehicleTrips	HW_TL	14.70	6.00
tblVehicleTrips	HW_TL	14.70	6.00
tblVehicleTrips	HW_TL	14.70	6.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	52.00	100.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	7.16	7.25
tblVehicleTrips	ST_TR	22.75	230.75
tblVehicleTrips	ST_TR	5.67	12.90

tblVehicleTrips	ST_TR	20.87	220.98
tblVehicleTrips	ST_TR	10.18	10.87
tblVehicleTrips	ST_TR	8.96	60.38
tblVehicleTrips	ST_TR	5.00	20.97
tblVehicleTrips	ST_TR	5.63	14.06
tblVehicleTrips	ST_TR	42.04	5.91
tblVehicleTrips	SU_TR	6.07	7.25
tblVehicleTrips	SU_TR	16.74	230.75
tblVehicleTrips	SU_TR	4.84	12.90
tblVehicleTrips	SU_TR	26.73	220.98
tblVehicleTrips	SU_TR	8.91	10.87
tblVehicleTrips	SU_TR	1.55	60.38
tblVehicleTrips	SU_TR	4.36	20.97
tblVehicleTrips	SU_TR	5.63	14.06
tblVehicleTrips	SU_TR	20.43	5.91
tblVehicleTrips	WD_TR	6.59	7.25
tblVehicleTrips	WD_TR	1.89	230.75
tblVehicleTrips	WD_TR	5.81	12.90
tblVehicleTrips	WD_TR	32.93	220.98
tblVehicleTrips	WD_TR	13.22	10.87
tblVehicleTrips	WD_TR	36.13	60.38
tblVehicleTrips	WD_TR	4.99	20.97
tblVehicleTrips	WD_TR	5.63	14.06
tblVehicleTrips	WD_TR	44.32	5.91
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	IndoorWaterUseRate	57,856,774.75	33,025,869.00
tblWater	IndoorWaterUseRate	0.00	26,988,882.00
tblWater	IndoorWaterUseRate	12,574,726.94	12,773,533.00
tblWater	IndoorWaterUseRate	1,722,839.79	33,025,869.00
tblWater	IndoorWaterUseRate	18,321,413.29	8,139,676.00
tblWater	IndoorWaterUseRate	13,379,989.72	33,025,869.00
tblWater	IndoorWaterUseRate	20,002,285.87	33,025,869.00
tblWater	IndoorWaterUseRate	1,293,705.27	3,677,553.00
tblWater	IndoorWaterUseRate	94,072.10	38,461.00
tblWater	OutdoorWaterUseRate	36,474,923.21	22,116,628.00

tblWater	OutdoorWaterUseRate	27,165,774.77	18,073,803.00
tblWater	OutdoorWaterUseRate	7,927,545.25	8,554,126.00
tblWater	OutdoorWaterUseRate	1,055,934.06	22,116,628.00
tblWater	OutdoorWaterUseRate	3,489,793.01	5,450,944.00
tblWater	OutdoorWaterUseRate	2,548,569.47	22,116,628.00
tblWater	OutdoorWaterUseRate	12,610,136.74	22,116,628.00
tblWater	OutdoorWaterUseRate	143,745.03	2,462,769.00
tblWater	OutdoorWaterUseRate	57,657.09	25,757.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	44.40	0.00
tblWoodstoves	NumberCatalytic	9.65	0.00
tblWoodstoves	NumberCatalytic	15.35	0.00
tblWoodstoves	NumberNoncatalytic	44.40	0.00
tblWoodstoves	NumberNoncatalytic	9.65	0.00
tblWoodstoves	NumberNoncatalytic	15.35	0.00

2.0 Emissions Summary

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	160.6783	22.9491	251.5161	0.3395		19.9092	19.9092		19.9092	19.9092	1,732.6400	26,130.5131	27,863.1531	0.6934	0.6282	28,067.6788
Energy	0.9426	8.2480	4.8459	0.0514		0.6512	0.6512		0.6512	0.6512		10,282.5056	10,282.5056	0.1971	0.1885	10,343.6094
Mobile	23.2650	34.6658	260.5716	1.0768	163.5237	0.5788	164.1025	43.3803	0.5333	43.9136		108,333.0569	108,333.0569	3.1256		108,411.1967
Total	184.8858	65.8630	516.9336	1.4677	163.5237	21.1393	184.6629	43.3803	21.0937	64.4740	1,732.6400	144,746.0756	146,478.7156	4.0161	0.8167	146,822.4849

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	160.6783	22.9491	251.5161	0.3395		19.9092	19.9092		19.9092	19.9092	1,732.6400	26,130.5131	27,863.1531	0.6934	0.6282	28,067.6788
Energy	0.9426	8.2480	4.8459	0.0514		0.6512	0.6512		0.6512	0.6512		10,282.5056	10,282.5056	0.1971	0.1885	10,343.6094
Mobile	23.2650	34.6658	260.5716	1.0768	163.5237	0.5788	164.1025	43.3803	0.5333	43.9136		108,333.0569	108,333.0569	3.1256		108,411.1967
Total	184.8858	65.8630	516.9336	1.4677	163.5237	21.1393	184.6629	43.3803	21.0937	64.4740	1,732.6400	144,746.0756	146,478.7156	4.0161	0.8167	146,822.4849

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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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
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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	23.2650	34.6658	260.5716	1.0768	163.5237	0.5788	164.1025	43.3803	0.5333	43.9136		108,333.0569	108,333.0569	3.1256		108,411.1967
Unmitigated	23.2650	34.6658	260.5716	1.0768	163.5237	0.5788	164.1025	43.3803	0.5333	43.9136		108,333.0569	108,333.0569	3.1256		108,411.1967

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	6,438.00	6,438.00	6,438.00	14,060,592	14,060,592
City Park	5,261.10	5,261.10	5,261.10	11,490,242	11,490,242
Condo/Townhouse	2,489.70	2,489.70	2,489.70	5,437,505	5,437,505
Health Club	6,437.15	6,437.15	6,437.15	14,058,730	14,058,730
Hospital	1,587.13	1,587.13	1,587.13	3,466,289	3,466,289
Medical Office Building	6,438.32	6,438.32	6,438.32	14,061,290	14,061,290
Mobile Home Park	6,437.79	6,437.79	6,437.79	14,060,133	14,060,133
Motel	717.06	717.06	717.06	1,566,059	1,566,059
Other Asphalt Surfaces	0.00	0.00	0.00		
Strip Mall	7.51	7.51	7.51	16,392	16,392
Total	35,813.75	35,813.75	35,813.75	78,217,233	78,217,233

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	6.00	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Condo/Townhouse	6.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Health Club	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Hospital	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Medical Office Building	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Mobile Home Park	6.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Motel	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
City Park	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Condo/Townhouse	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Health Club	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Hospital	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Medical Office Building	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Mobile Home Park	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Motel	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Other Asphalt Surfaces	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Strip Mall	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069

5.0 Energy Detail

Historical Energy Use: Y

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	0.9426	8.2480	4.8459	0.0514		0.6512	0.6512		0.6512	0.6512		10,282.5056	10,282.5056	0.1971	0.1885	10,343.6094
NaturalGas Unmitigated	0.9426	8.2480	4.8459	0.0514		0.6512	0.6512		0.6512	0.6512		10,282.5056	10,282.5056	0.1971	0.1885	10,343.6094

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					
Apartments Low Rise	28361.3	0.3059	2.6137	1.1122	0.0167		0.2113	0.2113		0.2113	0.2113		3,336.6274	3,336.6274	0.0640	0.0612	3,356.4554
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Condo/Townhouse	8880.22	0.0958	0.8184	0.3482	5.2200e-003	0.0662	0.0662	0.0662	0.0662	1,044.7319	1,044.7319	0.0200	0.0192	1,050.9402
Health Club	1764	0.0190	0.1729	0.1453	1.0400e-003	0.0131	0.0131	0.0131	0.0131	207.5299	207.5299	3.9800e-003	3.8000e-003	208.7631
Hospital	26065.6	0.2811	2.5555	2.1466	0.0153	0.1942	0.1942	0.1942	0.1942	3,066.5420	3,066.5420	0.0588	0.0562	3,084.7649
Medical Office Building	3163.9	0.0341	0.3102	0.2606	1.8600e-003	0.0236	0.0236	0.0236	0.0236	372.2239	372.2239	7.1300e-003	6.8200e-003	374.4358
Mobile Home Park	17279.6	0.1864	1.5924	0.6776	0.0102	0.1288	0.1288	0.1288	0.1288	2,032.8922	2,032.8922	0.0390	0.0373	2,044.9726
Motel	1879.32	0.0203	0.1843	0.1548	1.1100e-003	0.0140	0.0140	0.0140	0.0140	221.0961	221.0961	4.2400e-003	4.0500e-003	222.4100
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.33008	8.0000e-005	7.2000e-004	6.0000e-004	0.0000	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	0.8624	0.8624	2.0000e-005	2.0000e-005	0.8675
Total		0.9426	8.2480	4.8459	0.0514		0.6512	0.6512		10,282.5056	10,282.5056	0.1971	0.1885	10,343.6094

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					
Apartments Low Rise	28.3613	0.3059	2.6137	1.1122	0.0167		0.2113	0.2113		0.2113	0.2113		3,336.6274	3,336.6274	0.0640	0.0612	3,356.4554
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	8.88022	0.0958	0.8184	0.3482	5.2200e-003		0.0662	0.0662		0.0662	0.0662		1,044.7319	1,044.7319	0.0200	0.0192	1,050.9402
Health Club	1.764	0.0190	0.1729	0.1453	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.5299	207.5299	3.9800e-003	3.8000e-003	208.7631
Hospital	26.0656	0.2811	2.5555	2.1466	0.0153		0.1942	0.1942		0.1942	0.1942		3,066.5420	3,066.5420	0.0588	0.0562	3,084.7649

Medical Office Building	3.1639	0.0341	0.3102	0.2606	1.8600e-003		0.0236	0.0236		0.0236	0.0236		372.2239	372.2239	7.1300e-003	6.8200e-003	374.4358
Mobile Home Park	17.2796	0.1864	1.5924	0.6776	0.0102		0.1288	0.1288		0.1288	0.1288		2,032.8922	2,032.8922	0.0390	0.0373	2,044.9726
Motel	1.87932	0.0203	0.1843	0.1548	1.1100e-003		0.0140	0.0140		0.0140	0.0140		221.0961	221.0961	4.2400e-003	4.0500e-003	222.4100
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.00733008	8.0000e-005	7.2000e-004	6.0000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.8624	0.8624	2.0000e-005	2.0000e-005	0.8675
Total		0.9426	8.2480	4.8459	0.0514		0.6512	0.6512		0.6512	0.6512		10,282.5056	10,282.5056	0.1971	0.1885	10,343.6094

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	160.6783	22.9491	251.5161	0.3395		19.9092	19.9092		19.9092	19.9092	1,732.6400	26,130.5131	27,863.1531	0.6934	0.6282	28,067.6788
Unmitigated	160.6783	22.9491	251.5161	0.3395		19.9092	19.9092		19.9092	19.9092	1,732.6400	26,130.5131	27,863.1531	0.6934	0.6282	28,067.6788

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	3.2811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	34.9069					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	119.0748	21.6323	137.3664	0.3335		19.2740	19.2740		19.2740	19.2740	1,732.640 0	25,924.23 53	27,656.875 3	0.4969	0.6282	27,856.48 83
Landscaping	3.4155	1.3169	114.1497	6.0500e-003		0.6352	0.6352		0.6352	0.6352		206.2778	206.2778	0.1965		211.1905
Total	160.6783	22.9491	251.5161	0.3395		19.9092	19.9092		19.9092	19.9092	1,732.640 0	26,130.51 31	27,863.153 1	0.6934	0.6282	28,067.67 88

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	3.2811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	34.9069					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	119.0748	21.6323	137.3664	0.3335		19.2740	19.2740		19.2740	19.2740	1,732.640 0	25,924.23 53	27,656.875 3	0.4969	0.6282	27,856.48 83
Landscaping	3.4155	1.3169	114.1497	6.0500e-003		0.6352	0.6352		0.6352	0.6352		206.2778	206.2778	0.1965		211.1905
Total	160.6783	22.9491	251.5161	0.3395		19.9092	19.9092		19.9092	19.9092	1,732.640 0	26,130.51 31	27,863.153 1	0.6934	0.6282	28,067.67 88

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 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Operation - Remaining Existing - Orange County, Winter

**Operation - Remaining Existing
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	146.01	1000sqft	4.10	146,009.00	0
Medical Office Building	106.63	1000sqft	0.00	106,632.00	0
Other Asphalt Surfaces	41.60	Acre	41.60	0.00	0
City Park	22.80	Acre	22.80	11,601.00	0
Health Club	29.13	1000sqft	0.00	29,134.00	0
Motel	51.00	Room	0.84	18,928.00	0
Apartments Low Rise	888.00	Dwelling Unit	42.90	888,000.00	2540
Condo/Townhouse	193.00	Dwelling Unit	13.10	193,000.00	552
Mobile Home Park	307.00	Dwelling Unit	14.20	368,400.00	878
Strip Mall	1.27	1000sqft	0.00	1,268.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2035
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1543.28	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on the anticipated remaining existing land uses.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Woodstoves - Assume no woodstoves

Energy Use -

Water And Wastewater - Based on information provided by Fuscoe Engineering, Inc.

Solid Waste - See Utilities and Service Systems chapter of the DEIR.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	1.00
tblFireplaces	NumberGas	754.80	799.20
tblFireplaces	NumberWood	44.40	0.00
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tblFleetMix	FleetMixLandUseSubType	Medical Office Building	City Park
tblFleetMix	FleetMixLandUseSubType	Other Asphalt Surfaces	Condo/Townhouse
tblFleetMix	FleetMixLandUseSubType	City Park	Health Club
tblFleetMix	FleetMixLandUseSubType	Health Club	Hospital
tblFleetMix	FleetMixLandUseSubType	Motel	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Mobile Home Park
tblFleetMix	FleetMixLandUseSubType	Condo/Townhouse	Motel
tblFleetMix	FleetMixLandUseSubType	Mobile Home Park	Other Asphalt Surfaces
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tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003

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tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
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tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
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tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
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tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005

tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
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tblFleetMix	UBUS	1.4190e-003	1.3147e-004
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tblLandUse	BuildingSpaceSquareFeet	106,630.00	106,632.00
tblLandUse	BuildingSpaceSquareFeet	1,812,096.00	0.00
tblLandUse	BuildingSpaceSquareFeet	0.00	11,601.00
tblLandUse	BuildingSpaceSquareFeet	29,130.00	29,134.00
tblLandUse	BuildingSpaceSquareFeet	99,970.20	18,928.00
tblLandUse	BuildingSpaceSquareFeet	1,270.00	1,268.00
tblLandUse	GreenSpaceSquareFeet	993,168.00	0.00
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tblLandUse	LandUseSquareFeet	106,630.00	106,632.00
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tblLandUse	LandUseSquareFeet	993,168.00	11,601.00
tblLandUse	LandUseSquareFeet	29,130.00	29,134.00
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tblLandUse	LotAcreage	55.50	42.90
tblLandUse	LotAcreage	12.06	13.10
tblLandUse	LotAcreage	38.68	14.20
tblLandUse	LotAcreage	0.03	0.00
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tblSolidWaste	SolidWasteGenerationRate	1.96	1,637.18
tblSolidWaste	SolidWasteGenerationRate	88.78	774.86
tblSolidWaste	SolidWasteGenerationRate	166.04	2,003.39
tblSolidWaste	SolidWasteGenerationRate	1,576.91	493.76
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tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00

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tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00

tblVehicleTrips	HW_TL	14.70	6.00
tblVehicleTrips	HW_TL	14.70	6.00
tblVehicleTrips	HW_TL	14.70	6.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	52.00	100.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	7.16	7.25
tblVehicleTrips	ST_TR	22.75	230.75
tblVehicleTrips	ST_TR	5.67	12.90

tblVehicleTrips	ST_TR	20.87	220.98
tblVehicleTrips	ST_TR	10.18	10.87
tblVehicleTrips	ST_TR	8.96	60.38
tblVehicleTrips	ST_TR	5.00	20.97
tblVehicleTrips	ST_TR	5.63	14.06
tblVehicleTrips	ST_TR	42.04	5.91
tblVehicleTrips	SU_TR	6.07	7.25
tblVehicleTrips	SU_TR	16.74	230.75
tblVehicleTrips	SU_TR	4.84	12.90
tblVehicleTrips	SU_TR	26.73	220.98
tblVehicleTrips	SU_TR	8.91	10.87
tblVehicleTrips	SU_TR	1.55	60.38
tblVehicleTrips	SU_TR	4.36	20.97
tblVehicleTrips	SU_TR	5.63	14.06
tblVehicleTrips	SU_TR	20.43	5.91
tblVehicleTrips	WD_TR	6.59	7.25
tblVehicleTrips	WD_TR	1.89	230.75
tblVehicleTrips	WD_TR	5.81	12.90
tblVehicleTrips	WD_TR	32.93	220.98
tblVehicleTrips	WD_TR	13.22	10.87
tblVehicleTrips	WD_TR	36.13	60.38
tblVehicleTrips	WD_TR	4.99	20.97
tblVehicleTrips	WD_TR	5.63	14.06
tblVehicleTrips	WD_TR	44.32	5.91
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	IndoorWaterUseRate	57,856,774.75	33,025,869.00
tblWater	IndoorWaterUseRate	0.00	26,988,882.00
tblWater	IndoorWaterUseRate	12,574,726.94	12,773,533.00
tblWater	IndoorWaterUseRate	1,722,839.79	33,025,869.00
tblWater	IndoorWaterUseRate	18,321,413.29	8,139,676.00
tblWater	IndoorWaterUseRate	13,379,989.72	33,025,869.00
tblWater	IndoorWaterUseRate	20,002,285.87	33,025,869.00
tblWater	IndoorWaterUseRate	1,293,705.27	3,677,553.00
tblWater	IndoorWaterUseRate	94,072.10	38,461.00
tblWater	OutdoorWaterUseRate	36,474,923.21	22,116,628.00

tblWater	OutdoorWaterUseRate	27,165,774.77	18,073,803.00
tblWater	OutdoorWaterUseRate	7,927,545.25	8,554,126.00
tblWater	OutdoorWaterUseRate	1,055,934.06	22,116,628.00
tblWater	OutdoorWaterUseRate	3,489,793.01	5,450,944.00
tblWater	OutdoorWaterUseRate	2,548,569.47	22,116,628.00
tblWater	OutdoorWaterUseRate	12,610,136.74	22,116,628.00
tblWater	OutdoorWaterUseRate	143,745.03	2,462,769.00
tblWater	OutdoorWaterUseRate	57,657.09	25,757.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	44.40	0.00
tblWoodstoves	NumberCatalytic	9.65	0.00
tblWoodstoves	NumberCatalytic	15.35	0.00
tblWoodstoves	NumberNoncatalytic	44.40	0.00
tblWoodstoves	NumberNoncatalytic	9.65	0.00
tblWoodstoves	NumberNoncatalytic	15.35	0.00

2.0 Emissions Summary

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	160.6783	22.9491	251.5161	0.3395		19.9092	19.9092		19.9092	19.9092	1,732.6400	26,130.5131	27,863.1531	0.6934	0.6282	28,067.6788
Energy	0.9426	8.2480	4.8459	0.0514		0.6512	0.6512		0.6512	0.6512		10,282.5056	10,282.5056	0.1971	0.1885	10,343.6094
Mobile	22.7273	35.8025	249.7094	1.0218	163.5237	0.5793	164.1030	43.3803	0.5338	43.9141		102,822.5217	102,822.5217	3.1268		102,900.6914
Total	184.3482	66.9996	506.0713	1.4127	163.5237	21.1398	184.6634	43.3803	21.0942	64.4745	1,732.6400	139,235.5404	140,968.1804	4.0173	0.8167	141,311.9796

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	160.6783	22.9491	251.5161	0.3395		19.9092	19.9092		19.9092	19.9092	1,732.6400	26,130.5131	27,863.1531	0.6934	0.6282	28,067.6788
Energy	0.9426	8.2480	4.8459	0.0514		0.6512	0.6512		0.6512	0.6512		10,282.5056	10,282.5056	0.1971	0.1885	10,343.6094
Mobile	22.7273	35.8025	249.7094	1.0218	163.5237	0.5793	164.1030	43.3803	0.5338	43.9141		102,822.5217	102,822.5217	3.1268		102,900.6914
Total	184.3482	66.9996	506.0713	1.4127	163.5237	21.1398	184.6634	43.3803	21.0942	64.4745	1,732.6400	139,235.5404	140,968.1804	4.0173	0.8167	141,311.9796

	ROG	NOx	CO	SO2	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

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	22.7273	35.8025	249.7094	1.0218	163.5237	0.5793	164.1030	43.3803	0.5338	43.9141		102,822.5217	102,822.5217	3.1268		102,900.6914
Unmitigated	22.7273	35.8025	249.7094	1.0218	163.5237	0.5793	164.1030	43.3803	0.5338	43.9141		102,822.5217	102,822.5217	3.1268		102,900.6914

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	6,438.00	6,438.00	6,438.00	14,060,592	14,060,592
City Park	5,261.10	5,261.10	5,261.10	11,490,242	11,490,242
Condo/Townhouse	2,489.70	2,489.70	2,489.70	5,437,505	5,437,505
Health Club	6,437.15	6,437.15	6,437.15	14,058,730	14,058,730
Hospital	1,587.13	1,587.13	1,587.13	3,466,289	3,466,289
Medical Office Building	6,438.32	6,438.32	6,438.32	14,061,290	14,061,290
Mobile Home Park	6,437.79	6,437.79	6,437.79	14,060,133	14,060,133
Motel	717.06	717.06	717.06	1,566,059	1,566,059
Other Asphalt Surfaces	0.00	0.00	0.00		
Strip Mall	7.51	7.51	7.51	16,392	16,392
Total	35,813.75	35,813.75	35,813.75	78,217,233	78,217,233

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	6.00	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Condo/Townhouse	6.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Health Club	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Hospital	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Medical Office Building	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Mobile Home Park	6.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Motel	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
City Park	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Condo/Townhouse	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Health Club	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Hospital	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Medical Office Building	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Mobile Home Park	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Motel	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Other Asphalt Surfaces	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Strip Mall	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069

5.0 Energy Detail

Historical Energy Use: Y

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	0.9426	8.2480	4.8459	0.0514		0.6512	0.6512		0.6512	0.6512		10,282.5056	10,282.5056	0.1971	0.1885	10,343.6094
NaturalGas Unmitigated	0.9426	8.2480	4.8459	0.0514		0.6512	0.6512		0.6512	0.6512		10,282.5056	10,282.5056	0.1971	0.1885	10,343.6094

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					
Apartments Low Rise	28361.3	0.3059	2.6137	1.1122	0.0167		0.2113	0.2113		0.2113	0.2113		3,336.6274	3,336.6274	0.0640	0.0612	3,356.4554
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Condo/Townhouse	8880.22	0.0958	0.8184	0.3482	5.2200e-003	0.0662	0.0662	0.0662	0.0662	1,044.7319	1,044.7319	0.0200	0.0192	1,050.9402
Health Club	1764	0.0190	0.1729	0.1453	1.0400e-003	0.0131	0.0131	0.0131	0.0131	207.5299	207.5299	3.9800e-003	3.8000e-003	208.7631
Hospital	26065.6	0.2811	2.5555	2.1466	0.0153	0.1942	0.1942	0.1942	0.1942	3,066.5420	3,066.5420	0.0588	0.0562	3,084.7649
Medical Office Building	3163.9	0.0341	0.3102	0.2606	1.8600e-003	0.0236	0.0236	0.0236	0.0236	372.2239	372.2239	7.1300e-003	6.8200e-003	374.4358
Mobile Home Park	17279.6	0.1864	1.5924	0.6776	0.0102	0.1288	0.1288	0.1288	0.1288	2,032.8922	2,032.8922	0.0390	0.0373	2,044.9726
Motel	1879.32	0.0203	0.1843	0.1548	1.1100e-003	0.0140	0.0140	0.0140	0.0140	221.0961	221.0961	4.2400e-003	4.0500e-003	222.4100
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	7.33008	8.0000e-005	7.2000e-004	6.0000e-004	0.0000	5.0000e-005	5.0000e-005	5.0000e-005	5.0000e-005	0.8624	0.8624	2.0000e-005	2.0000e-005	0.8675
Total		0.9426	8.2480	4.8459	0.0514		0.6512	0.6512		10,282.5056	10,282.5056	0.1971	0.1885	10,343.6094

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					
Apartments Low Rise	28.3613	0.3059	2.6137	1.1122	0.0167		0.2113	0.2113		0.2113	0.2113		3,336.6274	3,336.6274	0.0640	0.0612	3,356.4554
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	8.88022	0.0958	0.8184	0.3482	5.2200e-003		0.0662	0.0662		0.0662	0.0662		1,044.7319	1,044.7319	0.0200	0.0192	1,050.9402
Health Club	1.764	0.0190	0.1729	0.1453	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.5299	207.5299	3.9800e-003	3.8000e-003	208.7631
Hospital	26.0656	0.2811	2.5555	2.1466	0.0153		0.1942	0.1942		0.1942	0.1942		3,066.5420	3,066.5420	0.0588	0.0562	3,084.7649

Medical Office Building	3.1639	0.0341	0.3102	0.2606	1.8600e-003		0.0236	0.0236		0.0236	0.0236		372.2239	372.2239	7.1300e-003	6.8200e-003	374.4358
Mobile Home Park	17.2796	0.1864	1.5924	0.6776	0.0102		0.1288	0.1288		0.1288	0.1288		2,032.8922	2,032.8922	0.0390	0.0373	2,044.9726
Motel	1.87932	0.0203	0.1843	0.1548	1.1100e-003		0.0140	0.0140		0.0140	0.0140		221.0961	221.0961	4.2400e-003	4.0500e-003	222.4100
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.00733008	8.0000e-005	7.2000e-004	6.0000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.8624	0.8624	2.0000e-005	2.0000e-005	0.8675
Total		0.9426	8.2480	4.8459	0.0514		0.6512	0.6512		0.6512	0.6512		10,282.5056	10,282.5056	0.1971	0.1885	10,343.6094

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	160.6783	22.9491	251.5161	0.3395		19.9092	19.9092		19.9092	19.9092	1,732.6400	26,130.5131	27,863.1531	0.6934	0.6282	28,067.6788
Unmitigated	160.6783	22.9491	251.5161	0.3395		19.9092	19.9092		19.9092	19.9092	1,732.6400	26,130.5131	27,863.1531	0.6934	0.6282	28,067.6788

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	3.2811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	34.9069					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	119.0748	21.6323	137.3664	0.3335		19.2740	19.2740		19.2740	19.2740	1,732.640 0	25,924.23 53	27,656.875 3	0.4969	0.6282	27,856.48 83
Landscaping	3.4155	1.3169	114.1497	6.0500e-003		0.6352	0.6352		0.6352	0.6352		206.2778	206.2778	0.1965		211.1905
Total	160.6783	22.9491	251.5161	0.3395		19.9092	19.9092		19.9092	19.9092	1,732.640 0	26,130.51 31	27,863.153 1	0.6934	0.6282	28,067.67 88

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	3.2811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	34.9069					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	119.0748	21.6323	137.3664	0.3335		19.2740	19.2740		19.2740	19.2740	1,732.640 0	25,924.23 53	27,656.875 3	0.4969	0.6282	27,856.48 83
Landscaping	3.4155	1.3169	114.1497	6.0500e-003		0.6352	0.6352		0.6352	0.6352		206.2778	206.2778	0.1965		211.1905
Total	160.6783	22.9491	251.5161	0.3395		19.9092	19.9092		19.9092	19.9092	1,732.640 0	26,130.51 31	27,863.153 1	0.6934	0.6282	28,067.67 88

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 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Operation - Remaining Existing - Orange County, Annual

**Operation - Remaining Existing
Orange County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	146.01	1000sqft	4.10	146,009.00	0
Medical Office Building	106.63	1000sqft	0.00	106,632.00	0
Other Asphalt Surfaces	41.60	Acre	41.60	0.00	0
City Park	22.80	Acre	22.80	11,601.00	0
Health Club	29.13	1000sqft	0.00	29,134.00	0
Motel	51.00	Room	0.84	18,928.00	0
Apartments Low Rise	888.00	Dwelling Unit	42.90	888,000.00	2540
Condo/Townhouse	193.00	Dwelling Unit	13.10	193,000.00	552
Mobile Home Park	307.00	Dwelling Unit	14.20	368,400.00	878
Strip Mall	1.27	1000sqft	0.00	1,268.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2035
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MW hr)	1543.28	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on the anticipated remaining existing land uses.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Woodstoves - Assume no woodstoves

Energy Use -

Water And Wastewater - Based on information provided by Fuscoe Engineering, Inc.

Solid Waste - See Utilities and Service Systems chapter of the DEIR.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	1.00
tblFireplaces	NumberGas	754.80	799.20
tblFireplaces	NumberWood	44.40	0.00
tblFleetMix	FleetMixLandUseSubType	Hospital	Apartments Low Rise
tblFleetMix	FleetMixLandUseSubType	Medical Office Building	City Park
tblFleetMix	FleetMixLandUseSubType	Other Asphalt Surfaces	Condo/Townhouse
tblFleetMix	FleetMixLandUseSubType	City Park	Health Club
tblFleetMix	FleetMixLandUseSubType	Health Club	Hospital
tblFleetMix	FleetMixLandUseSubType	Motel	Medical Office Building
tblFleetMix	FleetMixLandUseSubType	Apartments Low Rise	Mobile Home Park
tblFleetMix	FleetMixLandUseSubType	Condo/Townhouse	Motel
tblFleetMix	FleetMixLandUseSubType	Mobile Home Park	Other Asphalt Surfaces
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tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003

tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
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tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LHD1	0.01	1.1381e-003
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tblFleetMix	LHD1	0.01	1.1381e-003
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tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD2	5.8100e-003	5.3829e-004
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tblFleetMix	LHD2	5.8100e-003	5.3829e-004

tblFleetMix	LHD2	5.8100e-003	5.3829e-004
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tblFleetMix	MCY	5.0120e-003	5.8839e-003
tblFleetMix	MCY	5.0120e-003	5.8839e-003
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tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
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tblFleetMix	MHD	0.03	2.5479e-003
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tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
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tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	SBUS	6.4100e-004	5.9388e-005

tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
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tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
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tblFleetMix	UBUS	1.4190e-003	1.3147e-004
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tblLandUse	BuildingSpaceSquareFeet	106,630.00	106,632.00
tblLandUse	BuildingSpaceSquareFeet	1,812,096.00	0.00
tblLandUse	BuildingSpaceSquareFeet	0.00	11,601.00
tblLandUse	BuildingSpaceSquareFeet	29,130.00	29,134.00
tblLandUse	BuildingSpaceSquareFeet	99,970.20	18,928.00
tblLandUse	BuildingSpaceSquareFeet	1,270.00	1,268.00
tblLandUse	GreenSpaceSquareFeet	993,168.00	0.00

tblLandUse	LandUseSquareFeet	146,010.00	146,009.00
tblLandUse	LandUseSquareFeet	106,630.00	106,632.00
tblLandUse	LandUseSquareFeet	1,812,096.00	0.00
tblLandUse	LandUseSquareFeet	993,168.00	11,601.00
tblLandUse	LandUseSquareFeet	29,130.00	29,134.00
tblLandUse	LandUseSquareFeet	99,970.20	18,928.00
tblLandUse	LandUseSquareFeet	1,270.00	1,268.00
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tblLandUse	LotAcreage	2.29	0.84
tblLandUse	LotAcreage	55.50	42.90
tblLandUse	LotAcreage	12.06	13.10
tblLandUse	LotAcreage	38.68	14.20
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tblProjectCharacteristics	OperationalYear	2018	2035
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tblSolidWaste	SolidWasteGenerationRate	1.96	1,637.18
tblSolidWaste	SolidWasteGenerationRate	88.78	774.86
tblSolidWaste	SolidWasteGenerationRate	166.04	2,003.39
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tblSolidWaste	SolidWasteGenerationRate	141.22	2,003.39
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tblSolidWaste	SolidWasteGenerationRate	1.33	2.33
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tblVehicleTrips	CC_TL	8.40	6.00

tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
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tblVehicleTrips	CC_TTP	64.40	100.00
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tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
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tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
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tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00

tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
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tblVehicleTrips	CW_TTP	64.90	0.00
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tblVehicleTrips	DV_TP	28.00	0.00
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tblVehicleTrips	DV_TP	11.00	0.00
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tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
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tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00

tblVehicleTrips	HS_TTP	19.20	0.00
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tblVehicleTrips	HW_TL	14.70	6.00
tblVehicleTrips	HW_TL	14.70	6.00
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tblVehicleTrips	SU_TR	26.73	220.98
tblVehicleTrips	SU_TR	8.91	10.87
tblVehicleTrips	SU_TR	1.55	60.38
tblVehicleTrips	SU_TR	4.36	20.97
tblVehicleTrips	SU_TR	5.63	14.06
tblVehicleTrips	SU_TR	20.43	5.91
tblVehicleTrips	WD_TR	6.59	7.25
tblVehicleTrips	WD_TR	1.89	230.75
tblVehicleTrips	WD_TR	5.81	12.90
tblVehicleTrips	WD_TR	32.93	220.98
tblVehicleTrips	WD_TR	13.22	10.87
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tblVehicleTrips	WD_TR	4.99	20.97
tblVehicleTrips	WD_TR	5.63	14.06
tblVehicleTrips	WD_TR	44.32	5.91
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tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
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tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
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tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	IndoorWaterUseRate	57,856,774.75	33,025,869.00
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tblWater	IndoorWaterUseRate	12,574,726.94	12,773,533.00
tblWater	IndoorWaterUseRate	1,722,839.79	33,025,869.00
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tblWater	IndoorWaterUseRate	20,002,285.87	33,025,869.00
tblWater	IndoorWaterUseRate	1,293,705.27	3,677,553.00
tblWater	IndoorWaterUseRate	94,072.10	38,461.00

tblWater	OutdoorWaterUseRate	36,474,923.21	22,116,628.00
tblWater	OutdoorWaterUseRate	27,165,774.77	18,073,803.00
tblWater	OutdoorWaterUseRate	7,927,545.25	8,554,126.00
tblWater	OutdoorWaterUseRate	1,055,934.06	22,116,628.00
tblWater	OutdoorWaterUseRate	3,489,793.01	5,450,944.00
tblWater	OutdoorWaterUseRate	2,548,569.47	22,116,628.00
tblWater	OutdoorWaterUseRate	12,610,136.74	22,116,628.00
tblWater	OutdoorWaterUseRate	143,745.03	2,462,769.00
tblWater	OutdoorWaterUseRate	57,657.09	25,757.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	44.40	0.00
tblWoodstoves	NumberCatalytic	9.65	0.00
tblWoodstoves	NumberCatalytic	15.35	0.00
tblWoodstoves	NumberNoncatalytic	44.40	0.00
tblWoodstoves	NumberNoncatalytic	9.65	0.00
tblWoodstoves	NumberNoncatalytic	15.35	0.00

2.0 Emissions Summary

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	8.8847	0.4350	15.9858	4.9200e-003		0.3203	0.3203		0.3203	0.3203	19.6478	317.3674	337.0152	0.0279	7.1200e-003	339.8359
Energy	0.1720	1.5053	0.8844	9.3800e-003		0.1189	0.1189		0.1189	0.1189	0.0000	9,000.9027	9,000.9027	0.1698	0.0596	9,022.9037
Mobile	3.9877	6.6317	46.0672	0.1886	29.2301	0.1053	29.3353	7.7648	0.0970	7.8618	0.0000	17,213.8200	17,213.8200	0.5153	0.0000	17,226.7033
Waste						0.0000	0.0000		0.0000	0.0000	2,262.2896	0.0000	2,262.2896	133.6975	0.0000	5,604.7268
Water						0.0000	0.0000		0.0000	0.0000	65.0010	2,631.4771	2,696.4781	0.2732	0.1516	2,748.4803
Total	13.0444	8.5720	62.9374	0.2029	29.2301	0.5444	29.7745	7.7648	0.5362	8.3010	2,346.9384	29,163.5672	31,510.5056	134.6837	0.2183	34,942.6499

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	8.8847	0.4350	15.9858	4.9200e-003		0.3203	0.3203		0.3203	0.3203	19.6478	317.3674	337.0152	0.0279	7.1200e-003	339.8359
Energy	0.1720	1.5053	0.8844	9.3800e-003		0.1189	0.1189		0.1189	0.1189	0.0000	9,000.9027	9,000.9027	0.1698	0.0596	9,022.9037
Mobile	3.9877	6.6317	46.0672	0.1886	29.2301	0.1053	29.3353	7.7648	0.0970	7.8618	0.0000	17,213.8200	17,213.8200	0.5153	0.0000	17,226.7033

Waste						0.0000	0.0000			0.0000	0.0000	2,262.2896	0.0000	2,262.2896	133.6975	0.0000	5,604.7268
Water						0.0000	0.0000			0.0000	0.0000	65.0010	2,631.4771	2,696.4781	0.2732	0.1516	2,748.4803
Total	13.0444	8.5720	62.9374	0.2029	29.2301	0.5444	29.7745	7.7648	0.5362	8.3010	2,346.9384	29,163.5672	31,510.5056	134.6837	0.2183	34,942.6499	

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.9877	6.6317	46.0672	0.1886	29.2301	0.1053	29.3353	7.7648	0.0970	7.8618	0.0000	17,213.8200	17,213.8200	0.5153	0.0000	17,226.7033
Unmitigated	3.9877	6.6317	46.0672	0.1886	29.2301	0.1053	29.3353	7.7648	0.0970	7.8618	0.0000	17,213.8200	17,213.8200	0.5153	0.0000	17,226.7033

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Apartments Low Rise	6,438.00	6,438.00	6438.00	14,060,592	14,060,592
City Park	5,261.10	5,261.10	5261.10	11,490,242	11,490,242
Condo/Townhouse	2,489.70	2,489.70	2489.70	5,437,505	5,437,505
Health Club	6,437.15	6,437.15	6437.15	14,058,730	14,058,730
Hospital	1,587.13	1,587.13	1587.13	3,466,289	3,466,289
Medical Office Building	6,438.32	6,438.32	6438.32	14,061,290	14,061,290
Mobile Home Park	6,437.79	6,437.79	6437.79	14,060,133	14,060,133
Motel	717.06	717.06	717.06	1,566,059	1,566,059
Other Asphalt Surfaces	0.00	0.00	0.00		
Strip Mall	7.51	7.51	7.51	16,392	16,392
Total	35,813.75	35,813.75	35,813.75	78,217,233	78,217,233

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 Low Rise	6.00	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Condo/Townhouse	6.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Health Club	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Hospital	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Medical Office Building	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Mobile Home Park	6.00	0.00	0.00	100.00	0.00	0.00	100	0	0
Motel	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
City Park	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Condo/Townhouse	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Health Club	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Hospital	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069

Medical Office Building	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Mobile Home Park	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Motel	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Other Asphalt Surfaces	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Strip Mall	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069

5.0 Energy Detail

Historical Energy Use: Y

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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,298.5186	7,298.5186	0.1372	0.0284	7,310.4031
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	7,298.5186	7,298.5186	0.1372	0.0284	7,310.4031
NaturalGas Mitigated	0.1720	1.5053	0.8844	9.3800e-003		0.1189	0.1189		0.1189	0.1189	0.0000	1,702.3841	1,702.3841	0.0326	0.0312	1,712.5006
NaturalGas Unmitigated	0.1720	1.5053	0.8844	9.3800e-003		0.1189	0.1189		0.1189	0.1189	0.0000	1,702.3841	1,702.3841	0.0326	0.0312	1,712.5006

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					
Apartments Low Rise	1.03519e+007	0.0558	0.4770	0.2030	3.0400e-003		0.0386	0.0386		0.0386	0.0386	0.0000	552.4161	552.4161	0.0106	0.0101	555.6988
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	3.24128e+006	0.0175	0.1494	0.0636	9.5000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	172.9671	172.9671	3.3200e-003	3.1700e-003	173.9949
Health Club	643861	3.4700e-003	0.0316	0.0265	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.3589	34.3589	6.6000e-004	6.3000e-004	34.5631
Hospital	9.51395e+006	0.0513	0.4664	0.3918	2.8000e-003		0.0354	0.0354		0.0354	0.0354	0.0000	507.7004	507.7004	9.7300e-003	9.3100e-003	510.7174
Medical Office Building	1.15482e+006	6.2300e-003	0.0566	0.0476	3.4000e-004		4.3000e-003	4.3000e-003		4.3000e-003	4.3000e-003	0.0000	61.6258	61.6258	1.1800e-003	1.1300e-003	61.9921
Mobile Home Park	6.30705e+006	0.0340	0.2906	0.1237	1.8600e-003		0.0235	0.0235		0.0235	0.0235	0.0000	336.5681	336.5681	6.4500e-003	6.1700e-003	338.5682
Motel	685951	3.7000e-003	0.0336	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	36.6049	36.6049	7.0000e-004	6.7000e-004	36.8225
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	2675.48	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1428	0.1428	0.0000	0.0000	0.1436
Total		0.1720	1.5053	0.8844	9.3800e-003		0.1189	0.1189		0.1189	0.1189	0.0000	1,702.3841	1,702.3841	0.0326	0.0312	1,712.5005

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
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Land Use	kBTU/yr	tons/yr									MT/yr						
Apartments Low Rise	1.03519e+007	0.0558	0.4770	0.2030	3.0400e-003		0.0386	0.0386		0.0386	0.0386	0.0000	552.4161	552.4161	0.0106	0.0101	555.6988
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	3.24128e+006	0.0175	0.1494	0.0636	9.5000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	172.9671	172.9671	3.3200e-003	3.1700e-003	173.9949
Health Club	643861	3.4700e-003	0.0316	0.0265	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.3589	34.3589	6.6000e-004	6.3000e-004	34.5631
Hospital	9.51395e+006	0.0513	0.4664	0.3918	2.8000e-003		0.0354	0.0354		0.0354	0.0354	0.0000	507.7004	507.7004	9.7300e-003	9.3100e-003	510.7174
Medical Office Building	1.15482e+006	6.2300e-003	0.0566	0.0476	3.4000e-004		4.3000e-003	4.3000e-003		4.3000e-003	4.3000e-003	0.0000	61.6258	61.6258	1.1800e-003	1.1300e-003	61.9921
Mobile Home Park	6.30705e+006	0.0340	0.2906	0.1237	1.8600e-003		0.0235	0.0235		0.0235	0.0235	0.0000	336.5681	336.5681	6.4500e-003	6.1700e-003	338.5682
Motel	685951	3.7000e-003	0.0336	0.0283	2.0000e-004		2.5600e-003	2.5600e-003		2.5600e-003	2.5600e-003	0.0000	36.6049	36.6049	7.0000e-004	6.7000e-004	36.8225
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	2675.48	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1428	0.1428	0.0000	0.0000	0.1436
Total		0.1720	1.5053	0.8844	9.3800e-003		0.1189	0.1189		0.1189	0.1189	0.0000	1,702.3841	1,702.3841	0.0326	0.0312	1,712.5005

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use	Total CO2	CH4	N2O	CO2e
	kWh/yr	MT/yr			
Apartments Low Rise	3.23215e+006	2,262.5706	0.0425	8.8000e-003	2,266.2549
City Park	0	0.0000	0.0000	0.0000	0.0000

Condo/Townhouse	843991	590.8106	0.0111	2.3000e-003	591.7726
Health Club	281143	196.8058	3.7000e-003	7.7000e-004	197.1263
Hospital	2.53618e+006	1,775.3742	0.0334	6.9000e-003	1,778.2652
Medical Office Building	1.74663e+006	1,222.6775	0.0230	4.7500e-003	1,224.6685
Mobile Home Park	1.56857e+006	1,098.0329	0.0206	4.2700e-003	1,099.8209
Motel	200448	140.3173	2.6400e-003	5.5000e-004	140.5458
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	17041.9	11.9297	2.2000e-004	5.0000e-005	11.9491
Total		7,298.5186	0.1372	0.0284	7,310.4031

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	3.23215e+006	2,262.5706	0.0425	8.8000e-003	2,266.2549
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	843991	590.8106	0.0111	2.3000e-003	591.7726
Health Club	281143	196.8058	3.7000e-003	7.7000e-004	197.1263
Hospital	2.53618e+006	1,775.3742	0.0334	6.9000e-003	1,778.2652

Medical Office Building	1.74663e+006	1,222.6775	0.0230	4.7500e-003	1,224.6685
Mobile Home Park	1.56857e+006	1,098.0329	0.0206	4.2700e-003	1,099.8209
Motel	200448	140.3173	2.6400e-003	5.5000e-004	140.5458
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	17041.9	11.9297	2.2000e-004	5.0000e-005	11.9491
Total		7,298.5186	0.1372	0.0284	7,310.4031

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	8.8847	0.4350	15.9858	4.9200e-003		0.3203	0.3203		0.3203	0.3203	19.6478	317.3674	337.0152	0.0279	7.1200e-003	339.8359
Unmitigated	8.8847	0.4350	15.9858	4.9200e-003		0.3203	0.3203		0.3203	0.3203	19.6478	317.3674	337.0152	0.0279	7.1200e-003	339.8359

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5988					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.3705					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.4884	0.2704	1.7171	4.1700e-003		0.2409	0.2409		0.2409	0.2409	19.6478	293.9759	313.6237	5.6300e-003	7.1200e-003	315.8873
Landscaping	0.4269	0.1646	14.2687	7.6000e-004		0.0794	0.0794		0.0794	0.0794	0.0000	23.3915	23.3915	0.0223	0.0000	23.9486
Total	8.8847	0.4350	15.9858	4.9300e-003		0.3203	0.3203		0.3203	0.3203	19.6478	317.3674	337.0152	0.0279	7.1200e-003	339.8359

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5988					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.3705					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.4884	0.2704	1.7171	4.1700e-003		0.2409	0.2409		0.2409	0.2409	19.6478	293.9759	313.6237	5.6300e-003	7.1200e-003	315.8873
Landscaping	0.4269	0.1646	14.2687	7.6000e-004		0.0794	0.0794		0.0794	0.0794	0.0000	23.3915	23.3915	0.0223	0.0000	23.9486
Total	8.8847	0.4350	15.9858	4.9300e-003		0.3203	0.3203		0.3203	0.3203	19.6478	317.3674	337.0152	0.0279	7.1200e-003	339.8359

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2,696.4781	0.2732	0.1516	2,748.4803
Unmitigated	2,696.4781	0.2732	0.1516	2,748.4803

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	33.0259 / 22.1166	484.7201	0.0491	0.0273	494.0680
City Park	26.9889 / 18.0738	396.1153	0.0401	0.0223	403.7545
Condo/Townhouse	12.7735 / 8.55413	187.4769	0.0190	0.0105	191.0924
Health Club	33.0259 / 22.1166	484.7201	0.0491	0.0273	494.0680

Hospital	8.13968 / 5.45094	119.4659	0.0121	6.7200e- 003	121.7698
Medical Office Building	33.0259 / 22.1166	484.7201	0.0491	0.0273	494.0680
Mobile Home Park	33.0259 / 22.1166	484.7201	0.0491	0.0273	494.0680
Motel	3.67755 / 2.46277	53.9754	5.4700e- 003	3.0300e- 003	55.0163
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.038461 / 0.025757	0.5645	6.0000e- 005	3.0000e- 005	0.5754
Total		2,696.4781	0.2732	0.1516	2,748.480 3

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	33.0259 / 22.1166	484.7201	0.0491	0.0273	494.0680
City Park	26.9889 / 18.0738	396.1153	0.0401	0.0223	403.7545
Condo/Townhous e	12.7735 / 8.55413	187.4769	0.0190	0.0105	191.0924
Health Club	33.0259 / 22.1166	484.7201	0.0491	0.0273	494.0680
Hospital	8.13968 / 5.45094	119.4659	0.0121	6.7200e- 003	121.7698
Medical Office Building	33.0259 / 22.1166	484.7201	0.0491	0.0273	494.0680
Mobile Home Park	33.0259 / 22.1166	484.7201	0.0491	0.0273	494.0680

Motel	3.67755 / 2.46277	53.9754	5.4700e- 003	3.0300e- 003	55.0163
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.038461 / 0.025757	0.5645	6.0000e- 005	3.0000e- 005	0.5754
Total		2,696.4781	0.2732	0.1516	2,748.480 3

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2,262.2896	133.6975	0.0000	5,604.7268
Unmitigated	2,262.2896	133.6975	0.0000	5,604.7268

8.2 Waste by Land Use

Unmitigated

Waste Disposed	Total CO2	CH4	N2O	CO2e

Land Use	tons	MT/yr			
Apartments Low Rise	2003.39	406.6701	24.0335	0.0000	1,007.5079
City Park	1637.18	332.3327	19.6403	0.0000	823.3403
Condo/Townhouse	774.86	157.2896	9.2956	0.0000	389.6783
Health Club	2003.39	406.6701	24.0335	0.0000	1,007.5079
Hospital	493.76	100.2288	5.9234	0.0000	248.3127
Medical Office Building	2003.39	406.6701	24.0335	0.0000	1,007.5079
Mobile Home Park	2003.39	406.6701	24.0335	0.0000	1,007.5079
Motel	223.09	45.2853	2.6763	0.0000	112.1923
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	2.33	0.4730	0.0280	0.0000	1.1718
Total		2,262.2896	133.6975	0.0000	5,604.7268

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2003.39	406.6701	24.0335	0.0000	1,007.5079
City Park	1637.18	332.3327	19.6403	0.0000	823.3403
Condo/Townhouse	774.86	157.2896	9.2956	0.0000	389.6783
Health Club	2003.39	406.6701	24.0335	0.0000	1,007.5079

Hospital	493.76	100.2288	5.9234	0.0000	248.3127
Medical Office Building	2003.39	406.6701	24.0335	0.0000	1,007.5079
Mobile Home Park	2003.39	406.6701	24.0335	0.0000	1,007.5079
Motel	223.09	45.2853	2.6763	0.0000	112.1923
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	2.33	0.4730	0.0280	0.0000	1.1718
Total		2,262.2896	133.6975	0.0000	5,604.7268

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

**Operation - Remaining Existing
Orange County, Mitigation Report**

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.14	0.39		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00		
	Land Use	Land Use SubTotal	0.00		
No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		
No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

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

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

Water Mitigation Measures

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

Solid Waste Mitigation

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

Operation - Remaining Existing - Orange County, Summary Report

**Operation - Remaining Existing
Orange, Summary Report**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	146.01	1000sqft	4.10	146,009.00	0
Medical Office Building	106.63	1000sqft	0.00	106,632.00	0
Other Asphalt Surfaces	41.60	Acre	41.60	0.00	0
City Park	22.80	Acre	22.80	11,601.00	0
Health Club	29.13	1000sqft	0.00	29,134.00	0
Motel	51.00	Room	0.84	18,928.00	0
Apartments Low Rise	888.00	Dwelling Unit	42.90	888,000.00	2540
Condo/Townhouse	193.00	Dwelling Unit	13.10	193,000.00	552
Mobile Home Park	307.00	Dwelling Unit	14.20	368,400.00	878
Strip Mall	1.27	1000sqft	0.00	1,268.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2035
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1543.28	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on the anticipated remaining existing land uses.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Woodstoves - Assume no woodstoves

Energy Use -

Water And Wastewater - Based on information provided by Fuscoe Engineering, Inc.

Solid Waste - See Utilities and Service Systems chapter of the DEIR.

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
Operational Activity		lb/day											
On-Site	Area	160.6783 S	22.9491 S	251.5161 S	0.3395 S	19.9092 S	19.9092 S	160.6783 S	22.9491 S	251.5161 S	0.3395 S	19.9092 S	19.9092 S
On-Site	Energy	0.9426 S	8.2480 S	4.8459 S	0.0514 S	0.6512 S	0.6512 S	0.9426 S	8.2480 S	4.8459 S	0.0514 S	0.6512 S	0.6512 S
Off-Site	Mobile	23.2650 S	35.8025 W	260.5716 S	1.0768 S	164.1030 W	43.9141 W	23.2650 S	35.8025 W	260.5716 S	1.0768 S	164.1030 W	43.9141 W
	Peak Daily Total	184.8858 S	66.9996 W	516.9336 S	1.4677 S	184.6634 W	64.4745 W	184.8858 S	66.9996 W	516.9336 S	1.4677 S	184.6634 W	64.4745 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2035	31,510.5056	134.6837	0.2183	34,942.6499	31,510.5056	134.6837	0.2183	34,942.6499
	Total								
	Significance Threshold								
	Exceed Significance?								

CalEEMod Output – Operation: New Proposed Uses

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Operation - Proposed Residential - Orange County, Summer

**Operation - Proposed Residential
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	306.00	Dwelling Unit	17.50	306,000.00	875

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2035
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1430.8	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.007

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on land uses provided. See assumptions file for further details.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Fleet Mix - Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Highway 22 south of Lincoln Avenue.

Woodstoves - Assumes no woodstoves. Assumes all gas fireplaces per SCAQMD Rule 445.

Water And Wastewater - Based on water use information provided by Fuscoe Engineering, Inc.

Solid Waste - See Utilities and Service Systems chapter of this DEIR for further details.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	250.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	250.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	100.00
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	PhaseEndDate	7/9/2017	7/10/2017
tblFireplaces	NumberGas	260.10	306.00
tblFireplaces	NumberNoFireplace	30.60	0.00
tblFireplaces	NumberWood	15.30	0.00
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD2	5.8100e-003	5.3800e-004
tblFleetMix	MCY	5.0120e-003	5.8840e-003
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MH	7.4900e-004	6.9000e-005
tblFleetMix	MHD	0.03	2.5480e-003
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	SBUS	6.4100e-004	5.9000e-005
tblFleetMix	UBUS	1.4190e-003	1.3100e-004
tblLandUse	LotAcreage	19.13	17.50
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1430.8

tblProjectCharacteristics	N2OIntensityFactor	0.006	0.007
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	140.76	1,228.53
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	6.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	5.67	12.90
tblVehicleTrips	SU_TR	4.84	12.90
tblVehicleTrips	WD_TR	5.81	12.90
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	19,937,131.84	20,252,337.00
tblWater	OutdoorWaterUseRate	12,569,061.38	13,562,501.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	15.30	0.00
tblWoodstoves	NumberNoncatalytic	15.30	0.00

2.0 Emissions Summary

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	7.9296	5.3662	27.3167	0.0337		0.5504	0.5504		0.5504	0.5504	0.0000	6,525.4570	6,525.4570	0.1675	0.1188	6,565.0462
Energy	0.1887	1.6124	0.6861	0.0103		0.1304	0.1304		0.1304	0.1304		2,058.4070	2,058.4070	0.0395	0.0377	2,070.6391
Mobile	2.5643	3.8207	28.7202	0.1187	18.0236	0.0638	18.0874	4.7814	0.0588	4.8402		11,940.3859	11,940.3859	0.3445		11,948.9978
Total	10.6825	10.7994	56.7229	0.1627	18.0236	0.7446	18.7682	4.7814	0.7396	5.5209	0.0000	20,524.2499	20,524.2499	0.5514	0.1565	20,584.6831

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	7.9296	5.3662	27.3167	0.0337		0.5504	0.5504		0.5504	0.5504	0.0000	6,525.4570	6,525.4570	0.1675	0.1188	6,565.0462
Energy	0.1498	1.2803	0.5448	8.1700e-003		0.1035	0.1035		0.1035	0.1035		1,634.3853	1,634.3853	0.0313	0.0300	1,644.0977
Mobile	2.5643	3.8207	28.7202	0.1187	18.0236	0.0638	18.0874	4.7814	0.0588	4.8402		11,940.3859	11,940.3859	0.3445		11,948.9978
Total	10.6436	10.4672	56.5816	0.1606	18.0236	0.7177	18.7413	4.7814	0.7127	5.4941	0.0000	20,100.2282	20,100.2282	0.5433	0.1488	20,158.1417

	ROG	NOx	CO	SO2	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	0.36	3.08	0.25	1.30	0.00	3.61	0.14	0.00	3.63	0.49	0.00	2.07	2.07	1.47	4.97	2.07

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	2.5643	3.8207	28.7202	0.1187	18.0236	0.0638	18.0874	4.7814	0.0588	4.8402		11,940.3859	11,940.3859	0.3445		11,948.9978
Unmitigated	2.5643	3.8207	28.7202	0.1187	18.0236	0.0638	18.0874	4.7814	0.0588	4.8402		11,940.3859	11,940.3859	0.3445		11,948.9978

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	3,947.40	3,947.40	3,947.40	8,621,122	8,621,122
Total	3,947.40	3,947.40	3,947.40	8,621,122	8,621,122

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	6.00	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive 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	0.1498	1.2803	0.5448	8.1700e-003		0.1035	0.1035		0.1035	0.1035		1,634.3853	1,634.3853	0.0313	0.0300	1,644.0977
NaturalGas Unmitigated	0.1887	1.6124	0.6861	0.0103		0.1304	0.1304		0.1304	0.1304		2,058.4070	2,058.4070	0.0395	0.0377	2,070.6391

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	17496.5	0.1887	1.6124	0.6861	0.0103		0.1304	0.1304		0.1304	0.1304		2,058.4070	2,058.4070	0.0395	0.0377	2,070.6391
Total		0.1887	1.6124	0.6861	0.0103		0.1304	0.1304		0.1304	0.1304		2,058.4070	2,058.4070	0.0395	0.0377	2,070.6391

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	13.8923	0.1498	1.2803	0.5448	8.1700e-003		0.1035	0.1035		0.1035	0.1035		1,634.3853	1,634.3853	0.0313	0.0300	1,644.0977
Total		0.1498	1.2803	0.5448	8.1700e-003		0.1035	0.1035		0.1035	0.1035		1,634.3853	1,634.3853	0.0313	0.0300	1,644.0977

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	7.9296	5.3662	27.3167	0.0337		0.5504	0.5504		0.5504	0.5504	0.0000	6,525.4570	6,525.4570	0.1675	0.1188	6,565.0462
Unmitigated	7.9296	5.3662	27.3167	0.0337		0.5504	0.5504		0.5504	0.5504	0.0000	6,525.4570	6,525.4570	0.1675	0.1188	6,565.0462

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5246					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0588					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5940	5.0760	2.1600	0.0324		0.4104	0.4104		0.4104	0.4104	0.0000	6,480.0000	6,480.0000	0.1242	0.1188	6,518.5074
Landscaping	0.7522	0.2902	25.1567	1.3300e-003		0.1400	0.1400		0.1400	0.1400		45.4570	45.4570	0.0433		46.5388
Total	7.9296	5.3662	27.3167	0.0337		0.5504	0.5504		0.5504	0.5504	0.0000	6,525.4570	6,525.4570	0.1675	0.1188	6,565.0462

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5246					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0588					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5940	5.0760	2.1600	0.0324		0.4104	0.4104		0.4104	0.4104	0.0000	6,480.0000	6,480.0000	0.1242	0.1188	6,518.5074
Landscaping	0.7522	0.2902	25.1567	1.3300e-003		0.1400	0.1400		0.1400	0.1400		45.4570	45.4570	0.0433		46.5388
Total	7.9296	5.3662	27.3167	0.0337		0.5504	0.5504		0.5504	0.5504	0.0000	6,525.4570	6,525.4570	0.1675	0.1188	6,565.0462

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 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Operation - Proposed Residential - Orange County, Winter

**Operation - Proposed Residential
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	306.00	Dwelling Unit	17.50	306,000.00	875

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2035
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1430.8	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.007

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on land uses provided. See assumptions file for further details.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Fleet Mix - Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Highway 22 south of Lincoln Avenue.

Woodstoves - Assumes no woodstoves. Assumes all gas fireplaces per SCAQMD Rule 445.

Water And Wastewater - Based on water use information provided by Fuscoe Engineering, Inc.

Solid Waste - See Utilities and Service Systems chapter of this DEIR for further details.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	250.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	250.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	100.00
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	PhaseEndDate	7/9/2017	7/10/2017
tblFireplaces	NumberGas	260.10	306.00
tblFireplaces	NumberNoFireplace	30.60	0.00
tblFireplaces	NumberWood	15.30	0.00
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD2	5.8100e-003	5.3800e-004
tblFleetMix	MCY	5.0120e-003	5.8840e-003
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MH	7.4900e-004	6.9000e-005
tblFleetMix	MHD	0.03	2.5480e-003
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	SBUS	6.4100e-004	5.9000e-005
tblFleetMix	UBUS	1.4190e-003	1.3100e-004
tblLandUse	LotAcreage	19.13	17.50
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1430.8

tblProjectCharacteristics	N2OIntensityFactor	0.006	0.007
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	140.76	1,228.53
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	6.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	5.67	12.90
tblVehicleTrips	SU_TR	4.84	12.90
tblVehicleTrips	WD_TR	5.81	12.90
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	19,937,131.84	20,252,337.00
tblWater	OutdoorWaterUseRate	12,569,061.38	13,562,501.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	15.30	0.00
tblWoodstoves	NumberNoncatalytic	15.30	0.00

2.0 Emissions Summary

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	7.9296	5.3662	27.3167	0.0337		0.5504	0.5504		0.5504	0.5504	0.0000	6,525.4570	6,525.4570	0.1675	0.1188	6,565.0462
Energy	0.1887	1.6124	0.6861	0.0103		0.1304	0.1304		0.1304	0.1304		2,058.4070	2,058.4070	0.0395	0.0377	2,070.6391
Mobile	2.5050	3.9460	27.5229	0.1126	18.0236	0.0639	18.0874	4.7814	0.0588	4.8402		11,333.0141	11,333.0141	0.3446		11,341.6294
Total	10.6233	10.9247	55.5257	0.1566	18.0236	0.7446	18.7682	4.7814	0.7396	5.5210	0.0000	19,916.8781	19,916.8781	0.5515	0.1565	19,977.3147

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	7.9296	5.3662	27.3167	0.0337		0.5504	0.5504		0.5504	0.5504	0.0000	6,525.4570	6,525.4570	0.1675	0.1188	6,565.0462
Energy	0.1498	1.2803	0.5448	8.1700e-003		0.1035	0.1035		0.1035	0.1035		1,634.3853	1,634.3853	0.0313	0.0300	1,644.0977
Mobile	2.5050	3.9460	27.5229	0.1126	18.0236	0.0639	18.0874	4.7814	0.0588	4.8402		11,333.0141	11,333.0141	0.3446		11,341.6294
Total	10.5844	10.5925	55.3844	0.1545	18.0236	0.7178	18.7413	4.7814	0.7127	5.4941	0.0000	19,492.8564	19,492.8564	0.5434	0.1488	19,550.7732

	ROG	NOx	CO	SO2	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	0.37	3.04	0.25	1.35	0.00	3.61	0.14	0.00	3.63	0.49	0.00	2.13	2.13	1.47	4.97	2.14

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	2.5050	3.9460	27.5229	0.1126	18.0236	0.0639	18.0874	4.7814	0.0588	4.8402		11,333.01 41	11,333.014 1	0.3446		11,341.62 94
Unmitigated	2.5050	3.9460	27.5229	0.1126	18.0236	0.0639	18.0874	4.7814	0.0588	4.8402		11,333.01 41	11,333.014 1	0.3446		11,341.62 94

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	3,947.40	3,947.40	3,947.40	8,621,122	8,621,122
Total	3,947.40	3,947.40	3,947.40	8,621,122	8,621,122

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	6.00	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive 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	0.1498	1.2803	0.5448	8.1700e-003		0.1035	0.1035		0.1035	0.1035		1,634.3853	1,634.3853	0.0313	0.0300	1,644.0977
NaturalGas Unmitigated	0.1887	1.6124	0.6861	0.0103		0.1304	0.1304		0.1304	0.1304		2,058.4070	2,058.4070	0.0395	0.0377	2,070.6391

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	17496.5	0.1887	1.6124	0.6861	0.0103		0.1304	0.1304		0.1304	0.1304		2,058.4070	2,058.4070	0.0395	0.0377	2,070.6391
Total		0.1887	1.6124	0.6861	0.0103		0.1304	0.1304		0.1304	0.1304		2,058.4070	2,058.4070	0.0395	0.0377	2,070.6391

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	13.8923	0.1498	1.2803	0.5448	8.1700e-003		0.1035	0.1035		0.1035	0.1035		1,634.3853	1,634.3853	0.0313	0.0300	1,644.0977
Total		0.1498	1.2803	0.5448	8.1700e-003		0.1035	0.1035		0.1035	0.1035		1,634.3853	1,634.3853	0.0313	0.0300	1,644.0977

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	7.9296	5.3662	27.3167	0.0337		0.5504	0.5504		0.5504	0.5504	0.0000	6,525.4570	6,525.4570	0.1675	0.1188	6,565.0462
Unmitigated	7.9296	5.3662	27.3167	0.0337		0.5504	0.5504		0.5504	0.5504	0.0000	6,525.4570	6,525.4570	0.1675	0.1188	6,565.0462

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5246					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0588					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5940	5.0760	2.1600	0.0324		0.4104	0.4104		0.4104	0.4104	0.0000	6,480.0000	6,480.0000	0.1242	0.1188	6,518.5074
Landscaping	0.7522	0.2902	25.1567	1.3300e-003		0.1400	0.1400		0.1400	0.1400		45.4570	45.4570	0.0433		46.5388
Total	7.9296	5.3662	27.3167	0.0337		0.5504	0.5504		0.5504	0.5504	0.0000	6,525.4570	6,525.4570	0.1675	0.1188	6,565.0462

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5246					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0588					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5940	5.0760	2.1600	0.0324		0.4104	0.4104		0.4104	0.4104	0.0000	6,480.0000	6,480.0000	0.1242	0.1188	6,518.5074
Landscaping	0.7522	0.2902	25.1567	1.3300e-003		0.1400	0.1400		0.1400	0.1400		45.4570	45.4570	0.0433		46.5388
Total	7.9296	5.3662	27.3167	0.0337		0.5504	0.5504		0.5504	0.5504	0.0000	6,525.4570	6,525.4570	0.1675	0.1188	6,565.0462

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Operation - Proposed Residential - Orange County, Annual

Operation - Proposed Residential Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	306.00	Dwelling Unit	17.50	306,000.00	875

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2035
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MWhr)	1430.8	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.007

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on land uses provided. See assumptions file for further details.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Fleet Mix - Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Highway 20 south of Lincoln Avenue.

Woodstoves - Assumes no woodstoves. Assumes all gas fireplaces per SCAQMD Rule 445.

Water And Wastewater - Based on water use information provided by Fuscoe Engineering, Inc.

Solid Waste - See Utilities and Service Systems chapter of this DEIR for further details.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	250.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	250.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	100.00
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	PhaseEndDate	7/9/2017	7/10/2017
tblFireplaces	NumberGas	260.10	306.00
tblFireplaces	NumberNoFireplace	30.60	0.00
tblFireplaces	NumberWood	15.30	0.00
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LHD1	0.01	1.1380e-003
tblFleetMix	LHD2	5.8100e-003	5.3800e-004
tblFleetMix	MCY	5.0120e-003	5.8840e-003
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MH	7.4900e-004	6.9000e-005
tblFleetMix	MHD	0.03	2.5480e-003
tblFleetMix	OBUS	1.9220e-003	1.7800e-004
tblFleetMix	SBUS	6.4100e-004	5.9000e-005
tblFleetMix	UBUS	1.4190e-003	1.3100e-004
tblLandUse	LotAcreage	19.13	17.50

tblProjectCharacteristics	CO2IntensityFactor	1543.28	1430.8
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.007
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	140.76	1,228.53
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	6.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	5.67	12.90
tblVehicleTrips	SU_TR	4.84	12.90
tblVehicleTrips	WD_TR	5.81	12.90
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	19,937,131.84	20,252,337.00
tblWater	OutdoorWaterUseRate	12,569,061.38	13,562,501.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	15.30	0.00
tblWoodstoves	NumberNoncatalytic	15.30	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.3029	0.0997	3.1716	5.7000e-004		0.0226	0.0226		0.0226	0.0226	0.0000	78.6367	78.6367	6.3200e-003	1.3500e-003	79.1960
Energy	0.0344	0.2943	0.1252	1.8800e-003		0.0238	0.0238		0.0238	0.0238	0.0000	1,394.5221	1,394.5221	0.0279	0.0114	1,398.6175
Mobile	0.4395	0.7309	5.0775	0.0208	3.2217	0.0116	3.2333	0.8558	0.0107	0.8665	0.0000	1,897.2934	1,897.2934	0.0568	0.0000	1,898.7133
Waste						0.0000	0.0000		0.0000	0.0000	249.3805	0.0000	249.3805	14.7380	0.0000	617.8296
Water						0.0000	0.0000		0.0000	0.0000	7.1653	268.9359	276.1012	0.0301	0.0169	281.8896
Total	1.7769	1.1249	8.3743	0.0232	3.2217	0.0580	3.2798	0.8558	0.0571	0.9130	256.5458	3,639.3881	3,895.9339	14.8591	0.0297	4,276.2460

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	1.3029	0.0997	3.1716	5.7000e-004		0.0226	0.0226		0.0226	0.0226	0.0000	78.6367	78.6367	6.3200e-003	1.3500e-003	79.1960

Energy	0.0273	0.2337	0.0994	1.4900e-003		0.0189	0.0189		0.0189	0.0189	0.0000	1,313.4629	1,313.4629	0.0263	0.0101	1,317.1198
Mobile	0.4395	0.7309	5.0775	0.0208	3.2217	0.0116	3.2333	0.8558	0.0107	0.8665	0.0000	1,897.2934	1,897.2934	0.0568	0.0000	1,898.7133
Waste						0.0000	0.0000		0.0000	0.0000	249.3805	0.0000	249.3805	14.7380	0.0000	617.8296
Water						0.0000	0.0000		0.0000	0.0000	5.7323	228.7417	234.4739	0.0244	0.0136	239.1313
Total	1.7698	1.0643	8.3485	0.0228	3.2217	0.0531	3.2749	0.8558	0.0522	0.9081	255.1127	3,518.1346	3,773.2473	14.8518	0.0250	4,151.9900

	ROG	NOx	CO	SO2	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	0.40	5.39	0.31	1.68	0.00	8.45	0.15	0.00	8.58	0.54	0.56	3.33	3.15	0.05	15.72	2.91

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4395	0.7309	5.0775	0.0208	3.2217	0.0116	3.2333	0.8558	0.0107	0.8665	0.0000	1,897.2934	1,897.2934	0.0568	0.0000	1,898.7133
Unmitigated	0.4395	0.7309	5.0775	0.0208	3.2217	0.0116	3.2333	0.8558	0.0107	0.8665	0.0000	1,897.2934	1,897.2934	0.0568	0.0000	1,898.7133

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	3,947.40	3,947.40	3,947.40	8,621,122	8,621,122
Total	3,947.40	3,947.40	3,947.40	8,621,122	8,621,122

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	6.00	0.00	0.00	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

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					

Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,042.8721	1,042.8721	0.0211	5.1000e-003	1,044.9210
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,053.7298	1,053.7298	0.0214	5.1600e-003	1,055.8000
NaturalGas Mitigated	0.0273	0.2337	0.0994	1.4900e-003		0.0189	0.0189		0.0189	0.0189	0.0000	270.5908	270.5908	5.1900e-003	4.9600e-003	272.1988
NaturalGas Unmitigated	0.0344	0.2943	0.1252	1.8800e-003		0.0238	0.0238		0.0238	0.0238	0.0000	340.7924	340.7924	6.5300e-003	6.2500e-003	342.8175

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					
Condo/Townhouse	6.38621e+006	0.0344	0.2943	0.1252	1.8800e-003		0.0238	0.0238		0.0238	0.0238	0.0000	340.7924	340.7924	6.5300e-003	6.2500e-003	342.8175
Total		0.0344	0.2943	0.1252	1.8800e-003		0.0238	0.0238		0.0238	0.0238	0.0000	340.7924	340.7924	6.5300e-003	6.2500e-003	342.8175

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					
Condo/Townhouse	5.07068e+006	0.0273	0.2337	0.0994	1.4900e-003		0.0189	0.0189		0.0189	0.0189	0.0000	270.5908	270.5908	5.1900e-003	4.9600e-003	272.1988
Total		0.0273	0.2337	0.0994	1.4900e-003		0.0189	0.0189		0.0189	0.0189	0.0000	270.5908	270.5908	5.1900e-003	4.9600e-003	272.1988

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	1.62362e+006	1,053.7298	0.0214	5.1600e-003	1,055.8000
Total		1,053.7298	0.0214	5.1600e-003	1,055.8000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	1.60689e+006	1,042.8721	0.0211	5.1000e-003	1,044.9210
Total		1,042.8721	0.0211	5.1000e-003	1,044.9210

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	1.3029	0.0997	3.1716	5.7000e-004		0.0226	0.0226		0.0226	0.0226	0.0000	78.6367	78.6367	6.3200e-003	1.3500e-003	79.1960
Unmitigated	1.3029	0.0997	3.1716	5.7000e-004		0.0226	0.0226		0.0226	0.0226	0.0000	78.6367	78.6367	6.3200e-003	1.3500e-003	79.1960

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0957					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1057					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	7.4300e-003	0.0635	0.0270	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.4820	73.4820	1.4100e-003	1.3500e-003	73.9186
Landscaping	0.0940	0.0363	3.1446	1.7000e-004		0.0175	0.0175		0.0175	0.0175	0.0000	5.1547	5.1547	4.9100e-003	0.0000	5.2774
Total	1.3029	0.0997	3.1716	5.8000e-004		0.0226	0.0226		0.0226	0.0226	0.0000	78.6367	78.6367	6.3200e-003	1.3500e-003	79.1960

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0957					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1057					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	7.4300e-003	0.0635	0.0270	4.1000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.4820	73.4820	1.4100e-003	1.3500e-003	73.9186
Landscaping	0.0940	0.0363	3.1446	1.7000e-004		0.0175	0.0175		0.0175	0.0175	0.0000	5.1547	5.1547	4.9100e-003	0.0000	5.2774
Total	1.3029	0.0997	3.1716	5.8000e-004		0.0226	0.0226		0.0226	0.0226	0.0000	78.6367	78.6367	6.3200e-003	1.3500e-003	79.1960

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			
Mitigated	234.4739	0.0244	0.0136	239.1313
Unmitigated	276.1012	0.0301	0.0169	281.8896

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	20.2523 / 13.5625	276.1012	0.0301	0.0169	281.8896
Total		276.1012	0.0301	0.0169	281.8896

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	16.2019 / 12.7352	234.4739	0.0244	0.0136	239.1313
Total		234.4739	0.0244	0.0136	239.1313

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	249.3805	14.7380	0.0000	617.8296
Unmitigated	249.3805	14.7380	0.0000	617.8296

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	1228.53	249.3805	14.7380	0.0000	617.8296
Total		249.3805	14.7380	0.0000	617.8296

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	1228.53	249.3805	14.7380	0.0000	617.8296
Total		249.3805	14.7380	0.0000	617.8296

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

**Operation - Proposed Residential
Orange County, Mitigation Report**

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	1.03	1.03	1.16	1.03
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	20.62	20.60	20.60	20.74	20.60	20.60	0.00	20.60	20.60	20.52	20.64	20.60
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	14.95	15.08	19.06	19.64	15.17
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	-0.01	0.13		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00		
	Land Use	Land Use SubTotal	0.00		
No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		
No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	28.00	
No	Install High Efficiency Lighting		
No	On-site Renewable		

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

Water Mitigation Measures

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

Solid Waste Mitigation

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

Operation - Proposed Residential - Orange County, Summary Report

**Operation - Proposed Residential
Orange, Summary Report**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	306.00	Dwelling Unit	17.50	306,000.00	875

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2035
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MW hr)	1430.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.007

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on land uses provided. See assumptions file for further details.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Fleet Mix - Fleet mix is tailored to the proposed development project based on the Annual Average Daily Trips (AADT) identified by CalTrans on Highway 39 north of Lincoln Avenue.

Woodstoves - Assumes no woodstoves. Assumes all gas fireplaces per SCAQMD Rule 445.

Water And Wastewater - Based on water use information provided by Fuscoe Engineering, Inc.

Solid Waste - See Utilities and Service Systems chapter of this DEIR for further details.

Energy Mitigation -

Water Mitigation -

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
Operational Activity		lb/day											
On-Site	Area	7.9296 S	5.3662 S	27.3167 S	0.0337 S	0.5504 S	0.5504 S	7.9296 S	5.3662 S	27.3167 S	0.0337 S	0.5504 S	0.5504 S
On-Site	Energy	0.1887 S	1.6124 S	0.6861 S	0.0103 S	0.1304 S	0.1304 S	0.1498 S	1.2803 S	0.5448 S	8.1700e-003 S	0.1035 S	0.1035 S
Off-Site	Mobile	2.5643 S	3.9460 W	28.7202 S	0.1187 S	18.0874 W	4.8402 W	2.5643 S	3.9460 W	28.7202 S	0.1187 S	18.0874 W	4.8402 W
Peak Daily Total		10.6825 S	10.9247 W	56.7229 S	0.1627 S	18.7682 W	5.5210 W	10.6436 S	10.5925 W	56.5816 S	0.1606 S	18.7413 W	5.4941 W
Air District Threshold													
Exceed Significance?													

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2035	3,895.9339	14.8591	0.0297	4,276.2483	3,773.2473	14.8518	0.0250	4,151.9896
Total									
Significance Threshold									
Exceed Significance?									

Operation - Non-Residential - Orange County, Summer

**Operation - Non-Residential
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	34.03	1000sqft	4.33	34,031.00	0
Hospital	446.41	1000sqft	9.50	446,407.00	0
Other Non-Asphalt Surfaces	4.20	Acre	4.20	0.00	0
City Park	5.10	Acre	5.10	80,787.00	0
High Turnover (Sit Down Restaurant)	100.33	1000sqft	2.30	100,333.00	0
Motel	407.00	Room	4.42	210,072.00	0
Apartments Mid Rise	3,278.00	Dwelling Unit	35.62	3,278,000.00	9375
Strip Mall	1,087.53	1000sqft	60.29	1,087,531.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2035
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MW hr)	1430.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.007

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on new anticipated land uses.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Woodstoves - Assumes no woodstoves. Assumes all gas fireplaces per SCAQMD Rule 445.

Water And Wastewater - Based on water use data provided by Fuscoe Engineering, Inc.

Solid Waste - Based on information provided by Fuscoe Engineering, Inc.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	1.00
tblFireplaces	NumberGas	2,786.30	3,278.00
tblFireplaces	NumberNoFireplace	327.80	0.00
tblFireplaces	NumberWood	163.90	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Mid Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	City Park
tblFleetMix	FleetMixLandUseSubType	Other Non-Asphalt Surfaces	General Office Building
tblFleetMix	FleetMixLandUseSubType	City Park	High Turnover (Sit Down Restaurant)
tblFleetMix	FleetMixLandUseSubType	High Turnover (Sit Down Restaurant)	Hospital
tblFleetMix	FleetMixLandUseSubType	Apartments Mid Rise	Other Non-Asphalt Surfaces
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003

tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003

tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD2	5.8100e-003	5.3829e-004
tblFleetMix	LHD2	5.8100e-003	5.3829e-004
tblFleetMix	LHD2	5.8100e-003	5.3829e-004
tblFleetMix	LHD2	5.8100e-003	5.3829e-004
tblFleetMix	LHD2	5.8100e-003	5.3829e-004
tblFleetMix	LHD2	5.8100e-003	5.3829e-004
tblFleetMix	LHD2	5.8100e-003	5.3829e-004
tblFleetMix	LHD2	5.8100e-003	5.3829e-004
tblFleetMix	MCY	5.0120e-003	5.8839e-003
tblFleetMix	MCY	5.0120e-003	5.8839e-003
tblFleetMix	MCY	5.0120e-003	5.8839e-003
tblFleetMix	MCY	5.0120e-003	5.8839e-003
tblFleetMix	MCY	5.0120e-003	5.8839e-003
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tblFleetMix	MCY	5.0120e-003	5.8839e-003
tblFleetMix	MCY	5.0120e-003	5.8839e-003
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02

tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MH	7.4900e-004	6.9394e-005
tblFleetMix	MH	7.4900e-004	6.9394e-005
tblFleetMix	MH	7.4900e-004	6.9394e-005
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tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004

tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblLandUse	BuildingSpaceSquareFeet	34,030.00	34,031.00
tblLandUse	BuildingSpaceSquareFeet	446,410.00	446,407.00
tblLandUse	BuildingSpaceSquareFeet	182,952.00	0.00
tblLandUse	BuildingSpaceSquareFeet	0.00	80,787.00
tblLandUse	BuildingSpaceSquareFeet	100,330.00	100,333.00
tblLandUse	BuildingSpaceSquareFeet	797,801.40	210,072.00
tblLandUse	BuildingSpaceSquareFeet	1,087,530.00	1,087,531.00
tblLandUse	GreenSpaceSquareFeet	222,156.00	0.00
tblLandUse	LandUseSquareFeet	34,030.00	34,031.00
tblLandUse	LandUseSquareFeet	446,410.00	446,407.00
tblLandUse	LandUseSquareFeet	182,952.00	0.00

tblLandUse	LandUseSquareFeet	222,156.00	80,787.00
tblLandUse	LandUseSquareFeet	100,330.00	100,333.00
tblLandUse	LandUseSquareFeet	797,801.40	210,072.00
tblLandUse	LandUseSquareFeet	1,087,530.00	1,087,531.00
tblLandUse	LotAcreage	0.78	4.33
tblLandUse	LotAcreage	10.25	9.50
tblLandUse	LotAcreage	18.31	4.42
tblLandUse	LotAcreage	86.26	35.62
tblLandUse	LotAcreage	24.97	60.29
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1430.8
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.007
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	1,507.88	2,003.39
tblSolidWaste	SolidWasteGenerationRate	0.44	366.21
tblSolidWaste	SolidWasteGenerationRate	31.65	2,003.39
tblSolidWaste	SolidWasteGenerationRate	1,193.93	2,003.39
tblSolidWaste	SolidWasteGenerationRate	4,821.23	1,509.63
tblSolidWaste	SolidWasteGenerationRate	222.83	1,780.31
tblSolidWaste	SolidWasteGenerationRate	1,141.91	2,001.06
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00

tblVehicleTrips	CC_TTP	72.50	100.00
tblVehicleTrips	CC_TTP	16.10	100.00
tblVehicleTrips	CC_TTP	62.00	100.00
tblVehicleTrips	CC_TTP	64.40	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	64.90	0.00
tblVehicleTrips	CW_TTP	19.00	0.00

tblVehicleTrips	CW_TTP	16.60	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	6.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00

tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	6.39	1.96
tblVehicleTrips	ST_TR	22.75	230.75
tblVehicleTrips	ST_TR	2.46	189.18
tblVehicleTrips	ST_TR	158.37	64.17
tblVehicleTrips	ST_TR	10.18	10.87
tblVehicleTrips	ST_TR	5.63	14.06
tblVehicleTrips	ST_TR	42.04	5.91
tblVehicleTrips	SU_TR	5.86	1.96
tblVehicleTrips	SU_TR	16.74	230.75
tblVehicleTrips	SU_TR	1.05	189.18
tblVehicleTrips	SU_TR	131.84	64.17
tblVehicleTrips	SU_TR	8.91	10.87
tblVehicleTrips	SU_TR	5.63	14.06
tblVehicleTrips	SU_TR	20.43	5.91
tblVehicleTrips	WD_TR	6.65	1.96
tblVehicleTrips	WD_TR	1.89	230.75
tblVehicleTrips	WD_TR	11.03	189.18
tblVehicleTrips	WD_TR	127.15	64.17
tblVehicleTrips	WD_TR	13.22	10.87
tblVehicleTrips	WD_TR	5.63	14.06
tblVehicleTrips	WD_TR	44.32	5.91
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	IndoorWaterUseRate	213,574,895.99	33,025,869.00
tblWater	IndoorWaterUseRate	0.00	6,036,987.00
tblWater	IndoorWaterUseRate	6,048,279.44	33,025,869.00
tblWater	IndoorWaterUseRate	30,453,537.37	33,025,869.00
tblWater	IndoorWaterUseRate	56,015,766.77	24,886,193.00
tblWater	IndoorWaterUseRate	10,324,275.39	29,348,316.00
tblWater	IndoorWaterUseRate	80,556,089.29	32,987,408.00
tblWater	OutdoorWaterUseRate	134,645,043.12	22,116,628.00
tblWater	OutdoorWaterUseRate	6,076,554.88	4,042,824.00
tblWater	OutdoorWaterUseRate	3,707,009.98	22,116,628.00
tblWater	OutdoorWaterUseRate	1,943,842.81	22,116,628.00
tblWater	OutdoorWaterUseRate	10,669,669.86	16,665,683.00
tblWater	OutdoorWaterUseRate	1,147,141.71	19,653,859.00
tblWater	OutdoorWaterUseRate	49,373,086.98	22,090,871.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	163.90	0.00
tblWoodstoves	NumberNoncatalytic	163.90	0.00

2.0 Emissions Summary

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	128.7312	57.4873	292.8390	0.3614		5.8969	5.8969		5.8969	5.8969	0.0000	69,903.88 13	69,903.881 3	1.7952	1.2726	70,328.00 68
Energy	3.2146	28.4818	19.1064	0.1753		2.2210	2.2210		2.2210	2.2210		35,068.55 24	35,068.552 4	0.6722	0.6429	35,276.94 73
Mobile	24.3473	36.2785	272.6939	1.1269	171.1311	0.6058	171.7369	45.3984	0.5581	45.9565		113,372.9 182	113,372.91 82	3.2710		113,454.6 932
Total	156.2931	122.2475	584.6393	1.6636	171.1311	8.7236	179.8547	45.3984	8.6760	54.0744	0.0000	218,345.3 519	218,345.35 19	5.7384	1.9156	219,059.6 474

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	128.7312	57.4873	292.8390	0.3614		5.8969	5.8969		5.8969	5.8969	0.0000	69,903.88 13	69,903.881 3	1.7952	1.2726	70,328.00 68
Energy	3.1167	27.6138	18.5235	0.1700		2.1533	2.1533		2.1533	2.1533		33,999.91 44	33,999.914 4	0.6517	0.6233	34,201.95 89
Mobile	24.3473	36.2785	272.6939	1.1269	171.1311	0.6058	171.7369	45.3984	0.5581	45.9565		113,372.9 182	113,372.91 82	3.2710		113,454.6 932
Total	156.1952	121.3795	584.0565	1.6583	171.1311	8.6559	179.7870	45.3984	8.6083	54.0067	0.0000	217,276.7 138	217,276.71 38	5.7179	1.8960	217,984.6 589

	ROG	NOx	CO	SO2	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	0.06	0.71	0.10	0.32	0.00	0.78	0.04	0.00	0.78	0.13	0.00	0.49	0.49	0.36	1.02	0.49

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	24.3473	36.2785	272.6939	1.1269	171.1311	0.6058	171.7369	45.3984	0.5581	45.9565		113,372.9 182	113,372.91 82	3.2710		113,454.6 932
Unmitigated	24.3473	36.2785	272.6939	1.1269	171.1311	0.6058	171.7369	45.3984	0.5581	45.9565		113,372.9 182	113,372.91 82	3.2710		113,454.6 932

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	6,424.88	6,424.88	6,424.88	14,031,938	14,031,938
City Park	1,176.83	1,176.83	1,176.83	2,570,186	2,570,186
General Office Building	6,437.80	6,437.80	6,437.80	14,060,145	14,060,145
High Turnover (Sit Down Restaurant)	6,438.18	6,438.18	6,438.18	14,060,977	14,060,977
Hospital	4,852.48	4,852.48	4,852.48	10,597,809	10,597,809
Motel	5,722.42	5,722.42	5,722.42	12,497,765	12,497,765
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Strip Mall	6,427.30	6,427.30	6,427.30	14,037,228	14,037,228
Total	37,479.88	37,479.88	37,479.88	81,856,048	81,856,048

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 Mid Rise	6.00	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
High Turnover (Sit Down Restaurant)	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Hospital	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Motel	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
City Park	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
General Office Building	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
High Turnover (Sit Down Restaurant)	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069

Hospital	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Motel	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Other Non-Asphalt Surfaces	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Strip Mall	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive 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	3.1167	27.6138	18.5235	0.1700		2.1533	2.1533		2.1533	2.1533		33,999.9144	33,999.9144	0.6517	0.6233	34,201.9589
NaturalGas Unmitigated	3.2146	28.4818	19.1064	0.1753		2.2210	2.2210		2.2210	2.2210		35,068.5524	35,068.5524	0.6722	0.6429	35,276.9473

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	126147	1.3604	11.6253	4.9469	0.0742		0.9399	0.9399		0.9399	0.9399		14,840.8082	14,840.8082	0.2845	0.2721	14,928.9997
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	855.903	9.2300e-003	0.0839	0.0705	5.0000e-004		6.3800e-003	6.3800e-003		6.3800e-003	6.3800e-003		100.6945	100.6945	1.9300e-003	1.8500e-003	101.2928
High Turnover (Sit Down Restaurant)	71390.4	0.7699	6.9991	5.8792	0.0420		0.5319	0.5319		0.5319	0.5319		8,398.8665	8,398.8665	0.1610	0.1540	8,448.7768
Hospital	73907.9	0.7971	7.2459	6.0865	0.0435		0.5507	0.5507		0.5507	0.5507		8,695.0443	8,695.0443	0.1667	0.1594	8,746.7146
Motel	19792.8	0.2135	1.9405	1.6300	0.0116		0.1475	0.1475		0.1475	0.1475		2,328.5660	2,328.5660	0.0446	0.0427	2,342.4035
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	5988.87	0.0646	0.5871	0.4932	3.5200e-003		0.0446	0.0446		0.0446	0.0446		704.5729	704.5729	0.0135	0.0129	708.7598
Total		3.2146	28.4818	19.1064	0.1753		2.2210	2.2210		2.2210	2.2210		35,068.5524	35,068.5524	0.6722	0.6429	35,276.9473

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					
Apartments Mid Rise	122.316	1.3191	11.2723	4.7967	0.0720		0.9114	0.9114		0.9114	0.9114		14,390.1691	14,390.1691	0.2758	0.2638	14,475.6826
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.815672	8.8000e-003	0.0800	0.0672	4.8000e-004		6.0800e-003	6.0800e-003		6.0800e-003	6.0800e-003		95.9614	95.9614	1.8400e-003	1.7600e-003	96.5316
High Turnover (Sit Down Restaurant)	70.3053	0.7582	6.8927	5.7898	0.0414		0.5238	0.5238		0.5238	0.5238		8,271.2067	8,271.2067	0.1585	0.1516	8,320.3584
Hospital	70.7647	0.7632	6.9377	5.8277	0.0416		0.5273	0.5273		0.5273	0.5273		8,325.2567	8,325.2567	0.1596	0.1526	8,374.7296
Motel	18.9514	0.2044	1.8580	1.5607	0.0112		0.1412	0.1412		0.1412	0.1412		2,229.5732	2,229.5732	0.0427	0.0409	2,242.8224
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	5.84585	0.0630	0.5731	0.4814	3.4400e-003		0.0436	0.0436		0.0436	0.0436		687.7472	687.7472	0.0132	0.0126	691.8342
Total		3.1167	27.6138	18.5235	0.1700		2.1533	2.1533		2.1533	2.1533		33,999.9144	33,999.9144	0.6517	0.6233	34,201.9589

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	128.7312	57.4873	292.8390	0.3614		5.8969	5.8969		5.8969	5.8969	0.0000	69,903.8813	69,903.8813	1.7952	1.2726	70,328.0068
Unmitigated	128.7312	57.4873	292.8390	0.3614		5.8969	5.8969		5.8969	5.8969	0.0000	69,903.8813	69,903.8813	1.7952	1.2726	70,328.0068

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	10.5953					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	103.6958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6.3632	54.3762	23.1388	0.3471		4.3964	4.3964		4.3964	4.3964	0.0000	69,416.4706	69,416.4706	1.3305	1.2726	69,828.9780
Landscaping	8.0770	3.1110	269.7002	0.0143		1.5005	1.5005		1.5005	1.5005		487.4107	487.4107	0.4647		499.0289
Total	128.7312	57.4873	292.8390	0.3614		5.8969	5.8969		5.8969	5.8969	0.0000	69,903.8813	69,903.8813	1.7952	1.2726	70,328.0068

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	10.5953					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	103.6958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6.3632	54.3762	23.1388	0.3471		4.3964	4.3964		4.3964	4.3964	0.0000	69,416.4706	69,416.4706	1.3305	1.2726	69,828.9780
Landscaping	8.0770	3.1110	269.7002	0.0143		1.5005	1.5005		1.5005	1.5005		487.4107	487.4107	0.4647		499.0289
Total	128.7312	57.4873	292.8390	0.3614		5.8969	5.8969		5.8969	5.8969	0.0000	69,903.8813	69,903.8813	1.7952	1.2726	70,328.0068

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 Stationary Equipment

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Operation - Non-Residential - Orange County, Winter

**Operation - Non-Residential
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	34.03	1000sqft	4.33	34,031.00	0
Hospital	446.41	1000sqft	9.50	446,407.00	0
Other Non-Asphalt Surfaces	4.20	Acre	4.20	0.00	0
City Park	5.10	Acre	5.10	80,787.00	0
High Turnover (Sit Down Restaurant)	100.33	1000sqft	2.30	100,333.00	0
Motel	407.00	Room	4.42	210,072.00	0
Apartments Mid Rise	3,278.00	Dwelling Unit	35.62	3,278,000.00	9375
Strip Mall	1,087.53	1000sqft	60.29	1,087,531.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2035
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MW hr)	1430.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.007

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on new anticipated land uses.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Woodstoves - Assumes no woodstoves. Assumes all gas fireplaces per SCAQMD Rule 445.

Water And Wastewater - Based on water use data provided by Fuscoe Engineering, Inc.

Solid Waste - Based on information provided by Fuscoe Engineering, Inc.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	1.00
tblFireplaces	NumberGas	2,786.30	3,278.00
tblFireplaces	NumberNoFireplace	327.80	0.00
tblFireplaces	NumberWood	163.90	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Mid Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	City Park
tblFleetMix	FleetMixLandUseSubType	Other Non-Asphalt Surfaces	General Office Building
tblFleetMix	FleetMixLandUseSubType	City Park	High Turnover (Sit Down Restaurant)
tblFleetMix	FleetMixLandUseSubType	High Turnover (Sit Down Restaurant)	Hospital
tblFleetMix	FleetMixLandUseSubType	Apartments Mid Rise	Other Non-Asphalt Surfaces
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003

tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
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tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
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tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003

tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD2	5.8100e-003	5.3829e-004
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tblFleetMix	LHD2	5.8100e-003	5.3829e-004
tblFleetMix	LHD2	5.8100e-003	5.3829e-004
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tblFleetMix	LHD2	5.8100e-003	5.3829e-004
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tblFleetMix	MCY	5.0120e-003	5.8839e-003
tblFleetMix	MCY	5.0120e-003	5.8839e-003
tblFleetMix	MCY	5.0120e-003	5.8839e-003
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tblFleetMix	MCY	5.0120e-003	5.8839e-003
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tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02

tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
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tblFleetMix	MH	7.4900e-004	6.9394e-005
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tblFleetMix	MH	7.4900e-004	6.9394e-005
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tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004

tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
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tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblLandUse	BuildingSpaceSquareFeet	34,030.00	34,031.00
tblLandUse	BuildingSpaceSquareFeet	446,410.00	446,407.00
tblLandUse	BuildingSpaceSquareFeet	182,952.00	0.00
tblLandUse	BuildingSpaceSquareFeet	0.00	80,787.00
tblLandUse	BuildingSpaceSquareFeet	100,330.00	100,333.00
tblLandUse	BuildingSpaceSquareFeet	797,801.40	210,072.00
tblLandUse	BuildingSpaceSquareFeet	1,087,530.00	1,087,531.00
tblLandUse	GreenSpaceSquareFeet	222,156.00	0.00
tblLandUse	LandUseSquareFeet	34,030.00	34,031.00
tblLandUse	LandUseSquareFeet	446,410.00	446,407.00
tblLandUse	LandUseSquareFeet	182,952.00	0.00

tblLandUse	LandUseSquareFeet	222,156.00	80,787.00
tblLandUse	LandUseSquareFeet	100,330.00	100,333.00
tblLandUse	LandUseSquareFeet	797,801.40	210,072.00
tblLandUse	LandUseSquareFeet	1,087,530.00	1,087,531.00
tblLandUse	LotAcreage	0.78	4.33
tblLandUse	LotAcreage	10.25	9.50
tblLandUse	LotAcreage	18.31	4.42
tblLandUse	LotAcreage	86.26	35.62
tblLandUse	LotAcreage	24.97	60.29
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1430.8
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.007
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	1,507.88	2,003.39
tblSolidWaste	SolidWasteGenerationRate	0.44	366.21
tblSolidWaste	SolidWasteGenerationRate	31.65	2,003.39
tblSolidWaste	SolidWasteGenerationRate	1,193.93	2,003.39
tblSolidWaste	SolidWasteGenerationRate	4,821.23	1,509.63
tblSolidWaste	SolidWasteGenerationRate	222.83	1,780.31
tblSolidWaste	SolidWasteGenerationRate	1,141.91	2,001.06
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00

tblVehicleTrips	CC_TTP	72.50	100.00
tblVehicleTrips	CC_TTP	16.10	100.00
tblVehicleTrips	CC_TTP	62.00	100.00
tblVehicleTrips	CC_TTP	64.40	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	64.90	0.00
tblVehicleTrips	CW_TTP	19.00	0.00

tblVehicleTrips	CW_TTP	16.60	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	6.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	73.00	100.00
tblVehicleTrips	PR_TP	58.00	100.00

tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	6.39	1.96
tblVehicleTrips	ST_TR	22.75	230.75
tblVehicleTrips	ST_TR	2.46	189.18
tblVehicleTrips	ST_TR	158.37	64.17
tblVehicleTrips	ST_TR	10.18	10.87
tblVehicleTrips	ST_TR	5.63	14.06
tblVehicleTrips	ST_TR	42.04	5.91
tblVehicleTrips	SU_TR	5.86	1.96
tblVehicleTrips	SU_TR	16.74	230.75
tblVehicleTrips	SU_TR	1.05	189.18
tblVehicleTrips	SU_TR	131.84	64.17
tblVehicleTrips	SU_TR	8.91	10.87
tblVehicleTrips	SU_TR	5.63	14.06
tblVehicleTrips	SU_TR	20.43	5.91
tblVehicleTrips	WD_TR	6.65	1.96
tblVehicleTrips	WD_TR	1.89	230.75
tblVehicleTrips	WD_TR	11.03	189.18
tblVehicleTrips	WD_TR	127.15	64.17
tblVehicleTrips	WD_TR	13.22	10.87
tblVehicleTrips	WD_TR	5.63	14.06
tblVehicleTrips	WD_TR	44.32	5.91
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	IndoorWaterUseRate	213,574,895.99	33,025,869.00
tblWater	IndoorWaterUseRate	0.00	6,036,987.00
tblWater	IndoorWaterUseRate	6,048,279.44	33,025,869.00
tblWater	IndoorWaterUseRate	30,453,537.37	33,025,869.00
tblWater	IndoorWaterUseRate	56,015,766.77	24,886,193.00
tblWater	IndoorWaterUseRate	10,324,275.39	29,348,316.00
tblWater	IndoorWaterUseRate	80,556,089.29	32,987,408.00
tblWater	OutdoorWaterUseRate	134,645,043.12	22,116,628.00
tblWater	OutdoorWaterUseRate	6,076,554.88	4,042,824.00
tblWater	OutdoorWaterUseRate	3,707,009.98	22,116,628.00
tblWater	OutdoorWaterUseRate	1,943,842.81	22,116,628.00
tblWater	OutdoorWaterUseRate	10,669,669.86	16,665,683.00
tblWater	OutdoorWaterUseRate	1,147,141.71	19,653,859.00
tblWater	OutdoorWaterUseRate	49,373,086.98	22,090,871.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	163.90	0.00
tblWoodstoves	NumberNoncatalytic	163.90	0.00

2.0 Emissions Summary

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	128.7312	57.4873	292.8390	0.3614		5.8969	5.8969		5.8969	5.8969	0.0000	69,903.88 13	69,903.881 3	1.7952	1.2726	70,328.00 68
Energy	3.2146	28.4818	19.1064	0.1753		2.2210	2.2210		2.2210	2.2210		35,068.55 24	35,068.552 4	0.6722	0.6429	35,276.94 73
Mobile	23.7847	37.4681	261.3263	1.0694	171.1311	0.6063	171.7374	45.3984	0.5586	45.9570		107,606.0 223	107,606.02 23	3.2723		107,687.8 286
Total	155.7305	123.4371	573.2717	1.6061	171.1311	8.7241	179.8552	45.3984	8.6764	54.0749	0.0000	212,578.4 560	212,578.45 60	5.7396	1.9156	213,292.7 827

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	128.7312	57.4873	292.8390	0.3614		5.8969	5.8969		5.8969	5.8969	0.0000	69,903.88 13	69,903.881 3	1.7952	1.2726	70,328.00 68
Energy	3.1167	27.6138	18.5235	0.1700		2.1533	2.1533		2.1533	2.1533		33,999.91 44	33,999.914 4	0.6517	0.6233	34,201.95 89
Mobile	23.7847	37.4681	261.3263	1.0694	171.1311	0.6063	171.7374	45.3984	0.5586	45.9570		107,606.0 223	107,606.02 23	3.2723		107,687.8 286
Total	155.6325	122.5691	572.6889	1.6007	171.1311	8.6565	179.7876	45.3984	8.6088	54.0072	0.0000	211,509.8 179	211,509.81 79	5.7191	1.8960	212,217.7 943

	ROG	NOx	CO	SO2	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	0.06	0.70	0.10	0.33	0.00	0.78	0.04	0.00	0.78	0.13	0.00	0.50	0.50	0.36	1.02	0.50

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	23.7847	37.4681	261.3263	1.0694	171.1311	0.6063	171.7374	45.3984	0.5586	45.9570		107,606.0 223	107,606.02 23	3.2723		107,687.8 286
Unmitigated	23.7847	37.4681	261.3263	1.0694	171.1311	0.6063	171.7374	45.3984	0.5586	45.9570		107,606.0 223	107,606.02 23	3.2723		107,687.8 286

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	6,424.88	6,424.88	6,424.88	14,031,938	14,031,938
City Park	1,176.83	1,176.83	1,176.83	2,570,186	2,570,186
General Office Building	6,437.80	6,437.80	6,437.80	14,060,145	14,060,145
High Turnover (Sit Down Restaurant)	6,438.18	6,438.18	6,438.18	14,060,977	14,060,977
Hospital	4,852.48	4,852.48	4,852.48	10,597,809	10,597,809
Motel	5,722.42	5,722.42	5,722.42	12,497,765	12,497,765
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Strip Mall	6,427.30	6,427.30	6,427.30	14,037,228	14,037,228
Total	37,479.88	37,479.88	37,479.88	81,856,048	81,856,048

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 Mid Rise	6.00	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
High Turnover (Sit Down Restaurant)	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Hospital	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Motel	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
City Park	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
General Office Building	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
High Turnover (Sit Down Restaurant)	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069

Hospital	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Motel	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Other Non-Asphalt Surfaces	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Strip Mall	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive 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	3.1167	27.6138	18.5235	0.1700		2.1533	2.1533		2.1533	2.1533		33,999.9144	33,999.9144	0.6517	0.6233	34,201.9589
NaturalGas Unmitigated	3.2146	28.4818	19.1064	0.1753		2.2210	2.2210		2.2210	2.2210		35,068.5524	35,068.5524	0.6722	0.6429	35,276.9473

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	126147	1.3604	11.6253	4.9469	0.0742		0.9399	0.9399		0.9399	0.9399		14,840.8082	14,840.8082	0.2845	0.2721	14,928.9997
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	855.903	9.2300e-003	0.0839	0.0705	5.0000e-004		6.3800e-003	6.3800e-003		6.3800e-003	6.3800e-003		100.6945	100.6945	1.9300e-003	1.8500e-003	101.2928
High Turnover (Sit Down Restaurant)	71390.4	0.7699	6.9991	5.8792	0.0420		0.5319	0.5319		0.5319	0.5319		8,398.8665	8,398.8665	0.1610	0.1540	8,448.7768
Hospital	73907.9	0.7971	7.2459	6.0865	0.0435		0.5507	0.5507		0.5507	0.5507		8,695.0443	8,695.0443	0.1667	0.1594	8,746.7146
Motel	19792.8	0.2135	1.9405	1.6300	0.0116		0.1475	0.1475		0.1475	0.1475		2,328.5660	2,328.5660	0.0446	0.0427	2,342.4035
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	5988.87	0.0646	0.5871	0.4932	3.5200e-003		0.0446	0.0446		0.0446	0.0446		704.5729	704.5729	0.0135	0.0129	708.7598
Total		3.2146	28.4818	19.1064	0.1753		2.2210	2.2210		2.2210	2.2210		35,068.5524	35,068.5524	0.6722	0.6429	35,276.9473

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					

Apartments Mid Rise	122.316	1.3191	11.2723	4.7967	0.0720		0.9114	0.9114		0.9114	0.9114		14,390.1691	14,390.1691	0.2758	0.2638	14,475.6826
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.815672	8.8000e-003	0.0800	0.0672	4.8000e-004		6.0800e-003	6.0800e-003		6.0800e-003	6.0800e-003		95.9614	95.9614	1.8400e-003	1.7600e-003	96.5316
High Turnover (Sit Down Restaurant)	70.3053	0.7582	6.8927	5.7898	0.0414		0.5238	0.5238		0.5238	0.5238		8,271.2067	8,271.2067	0.1585	0.1516	8,320.3584
Hospital	70.7647	0.7632	6.9377	5.8277	0.0416		0.5273	0.5273		0.5273	0.5273		8,325.2567	8,325.2567	0.1596	0.1526	8,374.7296
Motel	18.9514	0.2044	1.8580	1.5607	0.0112		0.1412	0.1412		0.1412	0.1412		2,229.5732	2,229.5732	0.0427	0.0409	2,242.8224
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	5.84585	0.0630	0.5731	0.4814	3.4400e-003		0.0436	0.0436		0.0436	0.0436		687.7472	687.7472	0.0132	0.0126	691.8342
Total		3.1167	27.6138	18.5235	0.1700		2.1533	2.1533		2.1533	2.1533		33,999.9144	33,999.9144	0.6517	0.6233	34,201.9589

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	128.7312	57.4873	292.8390	0.3614		5.8969	5.8969		5.8969	5.8969	0.0000	69,903.8813	69,903.8813	1.7952	1.2726	70,328.0068
Unmitigated	128.7312	57.4873	292.8390	0.3614		5.8969	5.8969		5.8969	5.8969	0.0000	69,903.8813	69,903.8813	1.7952	1.2726	70,328.0068

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	10.5953					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	103.6958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6.3632	54.3762	23.1388	0.3471		4.3964	4.3964		4.3964	4.3964	0.0000	69,416.4706	69,416.4706	1.3305	1.2726	69,828.9780
Landscaping	8.0770	3.1110	269.7002	0.0143		1.5005	1.5005		1.5005	1.5005		487.4107	487.4107	0.4647		499.0289
Total	128.7312	57.4873	292.8390	0.3614		5.8969	5.8969		5.8969	5.8969	0.0000	69,903.8813	69,903.8813	1.7952	1.2726	70,328.0068

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	10.5953					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	103.6958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6.3632	54.3762	23.1388	0.3471		4.3964	4.3964		4.3964	4.3964	0.0000	69,416.4706	69,416.4706	1.3305	1.2726	69,828.9780
Landscaping	8.0770	3.1110	269.7002	0.0143		1.5005	1.5005		1.5005	1.5005		487.4107	487.4107	0.4647		499.0289
Total	128.7312	57.4873	292.8390	0.3614		5.8969	5.8969		5.8969	5.8969	0.0000	69,903.8813	69,903.8813	1.7952	1.2726	70,328.0068

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 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Operation - Non-Residential - Orange County, Annual

**Operation - Non-Residential
Orange County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	34.03	1000sqft	4.33	34,031.00	0
Hospital	446.41	1000sqft	9.50	446,407.00	0
Other Non-Asphalt Surfaces	4.20	Acre	4.20	0.00	0
City Park	5.10	Acre	5.10	80,787.00	0
High Turnover (Sit Down Restaurant)	100.33	1000sqft	2.30	100,333.00	0
Motel	407.00	Room	4.42	210,072.00	0
Apartments Mid Rise	3,278.00	Dwelling Unit	35.62	3,278,000.00	9375
Strip Mall	1,087.53	1000sqft	60.29	1,087,531.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2035
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MW hr)	1430.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.007

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on new anticipated land uses.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Woodstoves - Assumes no woodstoves. Assumes all gas fireplaces per SCAQMD Rule 445.

Water And Wastewater - Based on water use data provided by Fuscoe Engineering, Inc.

Solid Waste - Based on information provided by Fuscoe Engineering, Inc.

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	1.00
tblFireplaces	NumberGas	2,786.30	3,278.00
tblFireplaces	NumberNoFireplace	327.80	0.00
tblFireplaces	NumberWood	163.90	0.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	Apartments Mid Rise
tblFleetMix	FleetMixLandUseSubType	Hospital	City Park
tblFleetMix	FleetMixLandUseSubType	Other Non-Asphalt Surfaces	General Office Building
tblFleetMix	FleetMixLandUseSubType	City Park	High Turnover (Sit Down Restaurant)
tblFleetMix	FleetMixLandUseSubType	High Turnover (Sit Down Restaurant)	Hospital
tblFleetMix	FleetMixLandUseSubType	Apartments Mid Rise	Other Non-Asphalt Surfaces
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003

tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	HHD	0.02	5.9670e-003
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDA	0.57	0.67
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LHD1	0.01	1.1381e-003

tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD1	0.01	1.1381e-003
tblFleetMix	LHD2	5.8100e-003	5.3829e-004
tblFleetMix	LHD2	5.8100e-003	5.3829e-004
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tblFleetMix	LHD2	5.8100e-003	5.3829e-004
tblFleetMix	LHD2	5.8100e-003	5.3829e-004
tblFleetMix	LHD2	5.8100e-003	5.3829e-004
tblFleetMix	LHD2	5.8100e-003	5.3829e-004
tblFleetMix	LHD2	5.8100e-003	5.3829e-004
tblFleetMix	MCY	5.0120e-003	5.8839e-003
tblFleetMix	MCY	5.0120e-003	5.8839e-003
tblFleetMix	MCY	5.0120e-003	5.8839e-003
tblFleetMix	MCY	5.0120e-003	5.8839e-003
tblFleetMix	MCY	5.0120e-003	5.8839e-003
tblFleetMix	MCY	5.0120e-003	5.8839e-003
tblFleetMix	MCY	5.0120e-003	5.8839e-003
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tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02

tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
tblFleetMix	MDV	0.10	0.02
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tblFleetMix	MH	7.4900e-004	6.9394e-005
tblFleetMix	MH	7.4900e-004	6.9394e-005
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tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	MHD	0.03	2.5479e-003
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	OBUS	1.9220e-003	1.7807e-004

tblFleetMix	OBUS	1.9220e-003	1.7807e-004
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	SBUS	6.4100e-004	5.9388e-005
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblFleetMix	UBUS	1.4190e-003	1.3147e-004
tblLandUse	BuildingSpaceSquareFeet	34,030.00	34,031.00
tblLandUse	BuildingSpaceSquareFeet	446,410.00	446,407.00
tblLandUse	BuildingSpaceSquareFeet	182,952.00	0.00
tblLandUse	BuildingSpaceSquareFeet	0.00	80,787.00
tblLandUse	BuildingSpaceSquareFeet	100,330.00	100,333.00
tblLandUse	BuildingSpaceSquareFeet	797,801.40	210,072.00
tblLandUse	BuildingSpaceSquareFeet	1,087,530.00	1,087,531.00
tblLandUse	GreenSpaceSquareFeet	222,156.00	0.00
tblLandUse	LandUseSquareFeet	34,030.00	34,031.00
tblLandUse	LandUseSquareFeet	446,410.00	446,407.00

tblLandUse	LandUseSquareFeet	182,952.00	0.00
tblLandUse	LandUseSquareFeet	222,156.00	80,787.00
tblLandUse	LandUseSquareFeet	100,330.00	100,333.00
tblLandUse	LandUseSquareFeet	797,801.40	210,072.00
tblLandUse	LandUseSquareFeet	1,087,530.00	1,087,531.00
tblLandUse	LotAcreage	0.78	4.33
tblLandUse	LotAcreage	10.25	9.50
tblLandUse	LotAcreage	18.31	4.42
tblLandUse	LotAcreage	86.26	35.62
tblLandUse	LotAcreage	24.97	60.29
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1430.8
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.007
tblProjectCharacteristics	OperationalYear	2018	2035
tblSolidWaste	SolidWasteGenerationRate	1,507.88	2,003.39
tblSolidWaste	SolidWasteGenerationRate	0.44	366.21
tblSolidWaste	SolidWasteGenerationRate	31.65	2,003.39
tblSolidWaste	SolidWasteGenerationRate	1,193.93	2,003.39
tblSolidWaste	SolidWasteGenerationRate	4,821.23	1,509.63
tblSolidWaste	SolidWasteGenerationRate	222.83	1,780.31
tblSolidWaste	SolidWasteGenerationRate	1,141.91	2,001.06
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TL	8.40	6.00
tblVehicleTrips	CC_TTP	48.00	100.00

tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	72.50	100.00
tblVehicleTrips	CC_TTP	16.10	100.00
tblVehicleTrips	CC_TTP	62.00	100.00
tblVehicleTrips	CC_TTP	64.40	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	64.90	0.00

tblVehicleTrips	CW_TTP	19.00	0.00
tblVehicleTrips	CW_TTP	16.60	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	38.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	6.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	2.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	37.00	100.00
tblVehicleTrips	PR_TP	73.00	100.00

tblVehicleTrips	PR_TP	58.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	6.39	1.96
tblVehicleTrips	ST_TR	22.75	230.75
tblVehicleTrips	ST_TR	2.46	189.18
tblVehicleTrips	ST_TR	158.37	64.17
tblVehicleTrips	ST_TR	10.18	10.87
tblVehicleTrips	ST_TR	5.63	14.06
tblVehicleTrips	ST_TR	42.04	5.91
tblVehicleTrips	SU_TR	5.86	1.96
tblVehicleTrips	SU_TR	16.74	230.75
tblVehicleTrips	SU_TR	1.05	189.18
tblVehicleTrips	SU_TR	131.84	64.17
tblVehicleTrips	SU_TR	8.91	10.87
tblVehicleTrips	SU_TR	5.63	14.06
tblVehicleTrips	SU_TR	20.43	5.91
tblVehicleTrips	WD_TR	6.65	1.96
tblVehicleTrips	WD_TR	1.89	230.75
tblVehicleTrips	WD_TR	11.03	189.18
tblVehicleTrips	WD_TR	127.15	64.17
tblVehicleTrips	WD_TR	13.22	10.87
tblVehicleTrips	WD_TR	5.63	14.06
tblVehicleTrips	WD_TR	44.32	5.91
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce nt	2.21	0.00
tblWater	IndoorWaterUseRate	213,574,895.99	33,025,869.00
tblWater	IndoorWaterUseRate	0.00	6,036,987.00
tblWater	IndoorWaterUseRate	6,048,279.44	33,025,869.00
tblWater	IndoorWaterUseRate	30,453,537.37	33,025,869.00
tblWater	IndoorWaterUseRate	56,015,766.77	24,886,193.00
tblWater	IndoorWaterUseRate	10,324,275.39	29,348,316.00
tblWater	IndoorWaterUseRate	80,556,089.29	32,987,408.00
tblWater	OutdoorWaterUseRate	134,645,043.12	22,116,628.00
tblWater	OutdoorWaterUseRate	6,076,554.88	4,042,824.00
tblWater	OutdoorWaterUseRate	3,707,009.98	22,116,628.00
tblWater	OutdoorWaterUseRate	1,943,842.81	22,116,628.00
tblWater	OutdoorWaterUseRate	10,669,669.86	16,665,683.00
tblWater	OutdoorWaterUseRate	1,147,141.71	19,653,859.00
tblWater	OutdoorWaterUseRate	49,373,086.98	22,090,871.00
tblWater	SepticTankPercent	10.33	0.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	163.90	0.00
tblWoodstoves	NumberNoncatalytic	163.90	0.00

2.0 Emissions Summary

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	21.9473	1.0686	34.0018	6.1300e-003		0.2425	0.2425		0.2425	0.2425	0.0000	842.4410	842.4410	0.0678	0.0144	848.4362
Energy	0.5867	5.1979	3.4869	0.0320		0.4053	0.4053		0.4053	0.4053	0.0000	31,793.2329	31,793.2329	0.6380	0.2336	31,878.7904
Mobile	4.1733	6.9402	48.2104	0.1973	30.5899	0.1102	30.7001	8.1261	0.1015	8.2276	0.0000	18,014.6398	18,014.6398	0.5393	0.0000	18,028.1225
Waste						0.0000	0.0000		0.0000	0.0000	2,368.3727	0.0000	2,368.3727	139.9668	0.0000	5,867.5431
Water						0.0000	0.0000		0.0000	0.0000	68.0490	2,554.0851	2,622.1341	0.2860	0.1605	2,677.1066
Total	26.7072	13.2067	85.6990	0.2355	30.5899	0.7580	31.3479	8.1261	0.7493	8.8754	2,436.4217	53,204.3988	55,640.8204	141.4979	0.4085	59,299.9989

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	21.9473	1.0686	34.0018	6.1300e-003		0.2425	0.2425		0.2425	0.2425	0.0000	842.4410	842.4410	0.0678	0.0144	848.4362
Energy	0.5688	5.0395	3.3806	0.0310		0.3930	0.3930		0.3930	0.3930	0.0000	31,323.9287	31,323.9287	0.6287	0.2289	31,407.8604
Mobile	4.1733	6.9402	48.2104	0.1973	30.5899	0.1102	30.7001	8.1261	0.1015	8.2276	0.0000	18,014.6398	18,014.6398	0.5393	0.0000	18,028.1225
Waste						0.0000	0.0000		0.0000	0.0000	2,368.3727	0.0000	2,368.3727	139.9668	0.0000	5,867.5431
Water						0.0000	0.0000		0.0000	0.0000	54.4392	2,172.3602	2,226.7994	0.2314	0.1290	2,271.0311
Total	26.6893	13.0483	85.5927	0.2345	30.5899	0.7457	31.3356	8.1261	0.7370	8.8630	2,422.8119	52,353.3697	54,776.1816	141.4340	0.3724	58,422.9934

	ROG	NOx	CO	SO2	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	0.07	1.20	0.12	0.42	0.00	1.63	0.04	0.00	1.65	0.14	0.56	1.60	1.55	0.05	8.84	1.48

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.1733	6.9402	48.2104	0.1973	30.5899	0.1102	30.7001	8.1261	0.1015	8.2276	0.0000	18,014.6398	18,014.6398	0.5393	0.0000	18,028.1225
Unmitigated	4.1733	6.9402	48.2104	0.1973	30.5899	0.1102	30.7001	8.1261	0.1015	8.2276	0.0000	18,014.6398	18,014.6398	0.5393	0.0000	18,028.1225

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	6,424.88	6,424.88	6,424.88	14,031,938	14,031,938
City Park	1,176.83	1,176.83	1,176.83	2,570,186	2,570,186
General Office Building	6,437.80	6,437.80	6,437.80	14,060,145	14,060,145
High Turnover (Sit Down Restaurant)	6,438.18	6,438.18	6,438.18	14,060,977	14,060,977
Hospital	4,852.48	4,852.48	4,852.48	10,597,809	10,597,809
Motel	5,722.42	5,722.42	5,722.42	12,497,765	12,497,765
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Strip Mall	6,427.30	6,427.30	6,427.30	14,037,228	14,037,228
Total	37,479.88	37,479.88	37,479.88	81,856,048	81,856,048

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- NW	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	6.00	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
High Turnover (Sit Down Restaurant)	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Hospital	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Motel	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	0.00	6.00	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
City Park	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
General Office Building	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
High Turnover (Sit Down Restaurant)	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Hospital	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Motel	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Other Non-Asphalt Surfaces	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069
Strip Mall	0.669457	0.049609	0.245260	0.019160	0.001138	0.000538	0.002548	0.005967	0.000178	0.000131	0.005884	0.000059	0.000069

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	25,694.8616	25,694.8616	0.5208	0.1257	25,745.3426
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	25,987.2407	25,987.2407	0.5267	0.1271	26,038.2962
NaturalGas Mitigated	0.5688	5.0395	3.3806	0.0310		0.3930	0.3930		0.3930	0.3930	0.0000	5,629.0671	5,629.0671	0.1079	0.1032	5,662.5179
NaturalGas Unmitigated	0.5867	5.1979	3.4869	0.0320		0.4053	0.4053		0.4053	0.4053	0.0000	5,805.9922	5,805.9922	0.1113	0.1064	5,840.4943

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					
Apartments Mid Rise	4.60436e+007	0.2483	2.1216	0.9028	0.0135		0.1715	0.1715		0.1715	0.1715	0.0000	2,457.0622	2,457.0622	0.0471	0.0451	2,471.6633

City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	312405	1.6800e-003	0.0153	0.0129	9.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	16.6711	16.6711	3.2000e-004	3.1000e-004	16.7702
High Turnover (Sit Down Restaurant)	2.60575e+007	0.1405	1.2773	1.0730	7.6600e-003		0.0971	0.0971		0.0971	0.0971	0.0000	1,390.5266	1,390.5266	0.0267	0.0255	1,398.7898
Hospital	2.69764e+007	0.1455	1.3224	1.1108	7.9300e-003		0.1005	0.1005		0.1005	0.1005	0.0000	1,439.5621	1,439.5621	0.0276	0.0264	1,448.1167
Motel	7.22438e+006	0.0390	0.3541	0.2975	2.1200e-003		0.0269	0.0269		0.0269	0.0269	0.0000	385.5202	385.5202	7.3900e-003	7.0700e-003	387.8112
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	2.18594e+006	0.0118	0.1072	0.0900	6.4000e-004		8.1400e-003	8.1400e-003		8.1400e-003	8.1400e-003	0.0000	116.6499	116.6499	2.2400e-003	2.1400e-003	117.3431
Total		0.5867	5.1979	3.4869	0.0320		0.4053	0.4053		0.4053	0.4053	0.0000	5,805.9922	5,805.9922	0.1113	0.1065	5,840.4943

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	tons/yr										MT/yr					
Apartments Mid Rise	4.46455e+007	0.2407	2.0572	0.8754	0.0131		0.1663	0.1663		0.1663	0.1663	0.0000	2,382.4539	2,382.4539	0.0457	0.0437	2,396.6116
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	297720	1.6100e-003	0.0146	0.0123	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	15.8875	15.8875	3.0000e-004	2.9000e-004	15.9819
High Turnover (Sit Down Restaurant)	2.56614e+007	0.1384	1.2579	1.0567	7.5500e-003		0.0956	0.0956		0.0956	0.0956	0.0000	1,369.3910	1,369.3910	0.0263	0.0251	1,377.5286
Hospital	2.58291e+007	0.1393	1.2661	1.0636	7.6000e-003		0.0962	0.0962		0.0962	0.0962	0.0000	1,378.3396	1,378.3396	0.0264	0.0253	1,386.5304
Motel	6.91725e+006	0.0373	0.3391	0.2848	2.0300e-003		0.0258	0.0258		0.0258	0.0258	0.0000	369.1309	369.1309	7.0800e-003	6.7700e-003	371.3244

Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	2.13374e+006	0.0115	0.1046	0.0879	6.3000e-004	7.9500e-003	7.9500e-003	7.9500e-003	7.9500e-003	0.0000	113.8643	113.8643	2.1800e-003	2.0900e-003	114.5409		
Total		0.5688	5.0395	3.3806	0.0310	0.3930	0.3930	0.3930	0.3930	0.0000	5,629.0671	5,629.0671	0.1079	0.1032	5,662.5179		

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.38675e+007	9,000.0157	0.1824	0.0440	9,017.6975
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	488005	316.7149	6.4200e-003	1.5500e-003	317.3372
High Turnover (Sit Down Restaurant)	3.72336e+006	2,416.4590	0.0490	0.0118	2,421.2064
Hospital	7.27197e+006	4,719.5083	0.0957	0.0231	4,728.7804
Motel	1.94527e+006	1,262.4780	0.0256	6.1800e-003	1,264.9583
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	1.27459e+007	8,272.0648	0.1677	0.0405	8,288.3164
Total		25,987.2407	0.5267	0.1271	26,038.2962

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.38328e+007	8,977.4672	0.1820	0.0439	8,995.1046
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	479599	311.2597	6.3100e-003	1.5200e-003	311.8712
High Turnover (Sit Down Restaurant)	3.67756e+006	2,386.7335	0.0484	0.0117	2,391.4225
Hospital	7.10792e+006	4,613.0369	0.0935	0.0226	4,622.0998
Motel	1.9147e+006	1,242.6410	0.0252	6.0800e-003	1,245.0824
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	1.25789e+007	8,163.7234	0.1655	0.0399	8,179.7621
Total		25,694.8616	0.5208	0.1257	25,745.3426

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	21.9473	1.0686	34.0018	6.1300e-003		0.2425	0.2425		0.2425	0.2425	0.0000	842.4410	842.4410	0.0678	0.0144	848.4362
Unmitigated	21.9473	1.0686	34.0018	6.1300e-003		0.2425	0.2425		0.2425	0.2425	0.0000	842.4410	842.4410	0.0678	0.0144	848.4362

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	1.9336					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	18.9245					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0795	0.6797	0.2892	4.3400e-003		0.0550	0.0550		0.0550	0.0550	0.0000	787.1695	787.1695	0.0151	0.0144	791.8473
Landscaping	1.0096	0.3889	33.7125	1.7900e-003		0.1876	0.1876		0.1876	0.1876	0.0000	55.2714	55.2714	0.0527	0.0000	56.5889
Total	21.9473	1.0686	34.0018	6.1300e-003		0.2425	0.2425		0.2425	0.2425	0.0000	842.4410	842.4410	0.0678	0.0144	848.4362

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	1.9336					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	18.9245					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0795	0.6797	0.2892	4.3400e-003		0.0550	0.0550		0.0550	0.0550	0.0000	787.1695	787.1695	0.0151	0.0144	791.8473
Landscaping	1.0096	0.3889	33.7125	1.7900e-003		0.1876	0.1876		0.1876	0.1876	0.0000	55.2714	55.2714	0.0527	0.0000	56.5889
Total	21.9473	1.0686	34.0018	6.1300e-003		0.2425	0.2425		0.2425	0.2425	0.0000	842.4410	842.4410	0.0678	0.0144	848.4362

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			
Mitigated	2,226.7994	0.2314	0.1290	2,271.0311
Unmitigated	2,622.1341	0.2860	0.1605	2,677.1066

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	33.0259 / 22.1166	450.2435	0.0491	0.0276	459.6827
City Park	6.03699 / 4.04282	82.3026	8.9800e-003	5.0400e-003	84.0280
General Office Building	33.0259 / 22.1166	450.2435	0.0491	0.0276	459.6827
High Turnover (Sit Down Restaurant)	33.0259 / 22.1166	450.2435	0.0491	0.0276	459.6827
Hospital	24.6662 / 16.6657	339.2748	0.0370	0.0208	346.3877
Motel	29.3483 / 19.6539	400.1072	0.0436	0.0245	408.4954
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	32.9874 / 22.0909	449.7191	0.0491	0.0275	459.1474
Total		2,622.1341	0.2860	0.1605	2,677.106

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	26.4207 / 20.7675	382.3610	0.0397	0.0222	389.9560
City Park	4.82959 / 3.79621	69.8940	7.2600e-003	4.0500e-003	71.2823
General Office Building	26.4207 / 20.7675	382.3610	0.0397	0.0222	389.9560
High Turnover (Sit Down Restaurant)	26.4207 / 20.7675	382.3610	0.0397	0.0222	389.9560
Hospital	19.909 / 15.6491	288.1229	0.0299	0.0167	293.8460
Motel	23.4787 / 18.455	339.7837	0.0353	0.0197	346.5330
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	26.3899 / 20.7433	381.9157	0.0397	0.0221	389.5019
Total		2,226.7994	0.2314	0.1290	2,271.0311

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2,368.3727	139.9668	0.0000	5,867.5431
Unmitigated	2,368.3727	139.9668	0.0000	5,867.5431

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	2003.39	406.6701	24.0335	0.0000	1,007.5079
City Park	366.21	74.3373	4.3932	0.0000	184.1676
General Office Building	2003.39	406.6701	24.0335	0.0000	1,007.5079
High Turnover (Sit Down Restaurant)	2003.39	406.6701	24.0335	0.0000	1,007.5079
Hospital	1509.63	306.4413	18.1102	0.0000	759.1952
Motel	1780.31	361.3868	21.3574	0.0000	895.3206
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	2001.06	406.1971	24.0056	0.0000	1,006.3361
Total		2,368.3727	139.9668	0.0000	5,867.5431

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	2003.39	406.6701	24.0335	0.0000	1,007.5079
City Park	366.21	74.3373	4.3932	0.0000	184.1676
General Office Building	2003.39	406.6701	24.0335	0.0000	1,007.5079
High Turnover (Sit Down Restaurant)	2003.39	406.6701	24.0335	0.0000	1,007.5079
Hospital	1509.63	306.4413	18.1102	0.0000	759.1952
Motel	1780.31	361.3868	21.3574	0.0000	895.3206
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	2001.06	406.1971	24.0056	0.0000	1,006.3361
Total		2,368.3727	139.9668	0.0000	5,867.5431

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

**Operation - Non-Residential
Orange County, Mitigation Report**

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	1.13	1.12	1.12	1.13
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	3.04	3.05	3.05	2.97	3.04	3.04	0.00	3.05	3.05	3.05	3.04	3.05
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	14.95	15.08	19.09	19.60	15.17
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.24	0.55		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			

No	Land Use	Integrate Below Market Rate Housing	0.00		
	Land Use	Land Use SubTotal	0.00		
No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		
No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	5.00	
No	Install High Efficiency Lighting		
No	On-site Renewable		

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

Water Mitigation Measures

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

Solid Waste Mitigation

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

Operation - Non-Residential - Orange County, Summary Report

**Operation - Non-Residential
Orange, Summary Report**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	34.03	1000sqft	4.33	34,031.00	0
Hospital	446.41	1000sqft	9.50	446,407.00	0
Other Non-Asphalt Surfaces	4.20	Acre	4.20	0.00	0
City Park	5.10	Acre	5.10	80,787.00	0
High Turnover (Sit Down Restaurant)	100.33	1000sqft	2.30	100,333.00	0
Motel	407.00	Room	4.42	210,072.00	0
Apartments Mid Rise	3,278.00	Dwelling Unit	35.62	3,278,000.00	9375
Strip Mall	1,087.53	1000sqft	60.29	1,087,531.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2035
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MW hr)	1430.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.007

1.3 User Entered Comments

Only CalEEMod defaults were used.

Project Characteristics - Anaheim, Public Utilities Department. 2013, February 12. Mandip Kaur Samra, Integrated Resources Planner.

Land Use - Based on new anticipated land uses.

Construction Phase - Operation run only.

Vehicle Trips - Based on VMT and ADT data provided by Fehr & Peers.

Woodstoves - Assumes no woodstoves. Assumes all gas fireplaces per SCAQMD Rule 445.

Water And Wastewater - Based on water use data provided by Fuscoe Engineering, Inc.

Solid Waste - Based on information provided by Fuscoe Engineering, Inc.

Energy Mitigation -

Water Mitigation -

2.0 Peak Daily Emissions

Peak Daily Operational Emissions

Peak Daily Operational Emissions

		Unmitigated						Mitigated					
		ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
Operational Activity		lb/day											
On-Site	Area	128.7312 S	57.4873 S	292.8390 S	0.3614 S	5.8969 S	5.8969 S	128.7312 S	57.4873 S	292.8390 S	0.3614 S	5.8969 S	5.8969 S
On-Site	Energy	3.2146 S	28.4818 S	19.1064 S	0.1753 S	2.2210 S	2.2210 S	3.1167 S	27.6138 S	18.5235 S	0.1700 S	2.1533 S	2.1533 S
Off-Site	Mobile	24.3473 S	37.4681 W	272.6939 S	1.1269 S	171.7374 W	45.9570 W	24.3473 S	37.4681 W	272.6939 S	1.1269 S	171.7374 W	45.9570 W
	Peak Daily Total	156.2931 S	123.4371 W	584.6393 S	1.6636 S	179.8552 W	54.0749 W	156.1952 S	122.5691 W	584.0565 S	1.6583 S	179.7876 W	54.0072 W
	Air District Threshold												
	Exceed Significance?												

3.0 Annual GHG Emissions

Annual GHG

Annual GHG

		Unmitigated				Mitigated			
		CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
GHG Activity	Year	MT/yr							
Operational	2035	55,640.8204	141.4979	0.4085	59,299.9997	54,776.1816	141.4340	0.3724	58,422.9958
	Total								
	Significance Threshold								
	Exceed Significance?								