

## Appendices

# Appendix F      Air Quality and GHG Modeling

## Appendices

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## Regional Operation Emissions Worksheet: Existing (2014)

### Criteria Air Pollutants

#### Summer (pounds/day)

Source	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	40,697	539	48,780	18	6,564	6,564
Energy	28	242	123	2	19	19
Mobile	1,709	2,428	30,793	44	3,500	947
<b>Total</b>	<b>42,434</b>	<b>3,209</b>	<b>79,696</b>	<b>64</b>	<b>10,083</b>	<b>7,530</b>

#### Winter (pounds/day)

Source	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	40,697	539	48,780	18	6,564	6,564
Energy	28	242	123	2	19	19
Mobile	1,556	2,584	25,134	39	3,500	947
<b>Total</b>	<b>42,281</b>	<b>3,366</b>	<b>74,037</b>	<b>58</b>	<b>10,083</b>	<b>7,530</b>

#### Max Daily (pounds/day)

Source	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	40,697	539	48,780	18	6,564	6,564
Energy	28	242	123	2	19	19
Mobile	1,709	2,584	30,793	44	3,500	947
<b>Total</b>	<b>42,434</b>	<b>3,366</b>	<b>79,696</b>	<b>64</b>	<b>10,083</b>	<b>7,530</b>

#### Annual (tons/year)

Source	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	2,063	23	2,105	1	270	270
Energy	5	44	22	0	4	4
Mobile	282	495	4,909	7	625	169
<b>Total</b>	<b>2,351</b>	<b>563</b>	<b>7,037</b>	<b>8</b>	<b>898</b>	<b>443</b>

## Regional Operational Emissions Worksheet: SCAQMD

### Existing - Year 2035 (pounds/day)

#### Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	40,689	538	48,721	18	6,564	6,564
Energy	28	242	123	2	19	19
Mobile	838	1,215	15,907	57	4,300	1,165
<b>Total</b>	<b>41,555</b>	<b>1,995</b>	<b>64,751</b>	<b>77</b>	<b>10,884</b>	<b>7,748</b>

#### Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	40,689	538	48,721	18	6,564	6,564
Energy	28	242	123	2	19	19
Mobile	776	1,285	12,798	50	4,300	1,165
<b>Total</b>	<b>41,493</b>	<b>2,065</b>	<b>61,641</b>	<b>70</b>	<b>10,884</b>	<b>7,748</b>

#### Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	40,689	538	48,721	18	6,564	6,564
Energy	28	242	123	2	19	19
Mobile	838	1,285	15,907	57	4,300	1,165
<b>Total</b>	<b>41,555</b>	<b>2,065</b>	<b>64,751</b>	<b>77</b>	<b>10,884</b>	<b>7,748</b>

### Buildout - Year 2035 (pounds/day)

#### Remaining Existing Buildings

#### Summer

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	40,689	538	48,721	18	6,564	6,564
Energy	28	242	123	2	19	19
Mobile	838	1,215	15,907	57	4,300	1,165
<b>Total</b>	<b>41,555</b>	<b>1,995</b>	<b>64,751</b>	<b>77</b>	<b>10,884</b>	<b>7,748</b>

#### Winter

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	40,689	538	48,721	18	6,564	6,564
Energy	28	242	123	2	19	19
Mobile	776	1,285	12,798	50	4,300	1,165
<b>Total</b>	<b>41,493</b>	<b>2,065</b>	<b>61,641</b>	<b>70</b>	<b>10,884</b>	<b>7,748</b>

#### Max Daily

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	40,689	538	48,721	18	6,564	6,564
Energy	28	242	123	2	19	19
Mobile	838	1,285	15,907	57	4,300	1,165
<b>Total</b>	<b>41,555</b>	<b>2,065</b>	<b>64,751</b>	<b>77</b>	<b>10,884</b>	<b>7,748</b>

**New Buildings****Summer**

	<b>ROG</b>	<b>NOx</b>	<b>CO</b>	<b>SO2</b>	<b>PM10 Total</b>	<b>PM2.5 Total</b>
Area	134,565	1,768	160,256	60	21,609	21,608
Energy	109	957	604	6	75	75
Mobile	1,716	2,488	32,560	116	8,802	2,384
<b>Total</b>	<b>136,390</b>	<b>5,213</b>	<b>193,420</b>	<b>182</b>	<b>30,486</b>	<b>24,067</b>

**Winter**

	<b>ROG</b>	<b>NOx</b>	<b>CO</b>	<b>SO2</b>	<b>PM10 Total</b>	<b>PM2.5 Total</b>
Area	134,565	1,768	160,256	60	21,609	21,608
Energy	109	957	604	6	75	75
Mobile	1,589	2,630	26,195	102	8,802	2,384
<b>Total</b>	<b>136,262</b>	<b>5,356</b>	<b>187,055</b>	<b>169</b>	<b>30,486</b>	<b>24,067</b>

**Max Daily**

	<b>ROG</b>	<b>NOx</b>	<b>CO</b>	<b>SO2</b>	<b>PM10 Total</b>	<b>PM2.5 Total</b>
Area	134,565	1,768	160,256	60	21,609	21,608
Energy	109	957	604	6	75	75
Mobile	1,716	2,630	32,560	116	8,802	2,384
<b>Total</b>	<b>136,390</b>	<b>5,356</b>	<b>193,420</b>	<b>182</b>	<b>30,486</b>	<b>24,067</b>

**Combined**

	<b>ROG</b>	<b>NOx</b>	<b>CO</b>	<b>SO2</b>	<b>PM10 Total</b>	<b>PM2.5 Total</b>
Area	175,254	2,306	208,977	79	28,173	28,172
Energy	137	1,200	726	7	94	94
Mobile	2,555	3,915	48,467	173	13,102	3,549
<b>Total</b>	<b>177,945</b>	<b>7,421</b>	<b>258,170</b>	<b>259</b>	<b>41,370</b>	<b>31,815</b>

**Net Difference (pounds/day)**

	<b>ROG</b>	<b>NOx</b>	<b>CO</b>	<b>SO2</b>	<b>PM10 Total</b>	<b>PM2.5 Total</b>
Area	134,565	1,768	160,256	60	21,609	21,608
Energy	109	957	604	6	75	75
Mobile	1,716	2,630	32,560	116	8,802	2,384
<b>Total</b>	<b>136,390</b>	<b>5,356</b>	<b>193,420</b>	<b>182</b>	<b>30,486</b>	<b>24,067</b>

## Regional Operational Emissions Worksheet: AVAQMD

### Existing - Year 2035 (tons/year)

Annual	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	2,062	23	2,100	1	270	270
Energy	5	44	22	0	4	4
Mobile	140	246	2,493	9	767	208
<b>Total</b>	<b>2,208</b>	<b>314</b>	<b>4,615</b>	<b>10</b>	<b>1,041</b>	<b>481</b>

### Buildout - Year 2035 (tons/year)

#### Remaining Existing Buildings

Annual	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	2,062	23	2,100	1	0	270
Energy	5	44	22	0	0	4
Mobile	140	246	2,493	9	761	208
<b>Total</b>	<b>2,208</b>	<b>314</b>	<b>4,615</b>	<b>10</b>	<b>761</b>	<b>481</b>

#### New Buildings

Annual	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	6,903	76	6,900	2	888	888
Energy	20	175	110	1	14	14
Mobile	287	504	5,103	19	1,571	426
<b>Total</b>	<b>7,210</b>	<b>755</b>	<b>12,112</b>	<b>23</b>	<b>2,472</b>	<b>1,328</b>

#### Combined

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	8,966	100	8,999	3	888	1,157
Energy	25	219	133	1	14	17
Mobile	427	750	7,595	29	2,332	634
<b>Total</b>	<b>9,418</b>	<b>1,069</b>	<b>16,727</b>	<b>33</b>	<b>3,233</b>	<b>1,809</b>

### Net Difference (tons/year)

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Area	6,903	76	6,900	2	888	888
Energy	20	175	110	1	14	14
Mobile	287	504	5,103	19	1,571	426
<b>Total</b>	<b>7,210</b>	<b>755</b>	<b>12,112</b>	<b>23</b>	<b>2,472</b>	<b>1,328</b>

## GHG Emissions Worksheet

### Existing (2014)

Source	Buildout MTons/Year	Percent of Project Total
Area	37,705	5%
Energy	149,682	18%
Mobile	582,391	70%
Waste	34,928	4%
Water	73	0%
Agriculture	28,221	3%
Total All Sectors	833,000	100%
Service Population (Residents+Employees)*	125,328	
Per Capita	6.65	N/A

\*Service population consists of 93,490 residents and 31,838 employees. See Table 3-2 of Chapter 3 of the DEIR.

### Proposed Project Buildout (2035)

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New Land Uses		
Source	Buildout MTons/Year	Percent of Project Total
Area	124,099	6%
Energy	772,065	36%
Mobile	1,105,266	52%
Waste	116,534	6%
Water	146	0%
Agriculture	0	0%
Total All Sectors	2,118,110	100%

Remaining Existing Land Uses		
Source	Buildout MTons/Year	Percent of Project Total
Area	37,705	5%
Energy	149,682	19%
Mobile	539,989	69%
Waste	34,928	4%
Water	73	0%
Agriculture	20,615	3%
Total All Sectors	782,991	100%

**Combined**

<b>Source</b>	<b>Buildout MTons/Year</b>	<b>Percent of Project Total</b>
Area	161,804	6%
Energy	921,747	32%
Mobile	1,645,255	57%
Waste	151,462	5%
Water	219	0%
Agriculture	20,615	1%
Total All Sectors	2,901,101	100%
Service Population (Residents+Employees)**	536,761	
Per Capita	5.40	N/A

\* Service population consists of 405,410 residents and 134,351 employees. See Table 3-2 of Chapter 3 of the DEIR.

**Net Difference**

<b>Source</b>	<b>Buildout MTons/Year</b>	<b>Percent Change</b>
Area	124,098	329%
Energy	772,065	516%
Mobile	1,062,864	183%
Waste	116,534	334%
Water	146	200%
Agriculture	-7,606	-27%
Total All Sectors	2,068,101	248%



## Agricultural Emissions Worksheet

Scenario	Total Unincorporated LA County Farmland (Acres) <sup>1</sup>	Total Antelope Valley Area Plan Farmland (Acres)	Percentage of LA County	Agricultural Emissions for Unincorporated LA County (MTCO <sub>2</sub> e) <sup>2</sup>	Agricultural Emissions for Antelope Valley Area Plan (MTCO <sub>2</sub> e)
CEQA Baseline (2010)	26,235	24,443	93%	30,290	28,221
Full Buildout 2035 (P-2035)	n/a	17,855	n/a	n/a	20,615

<sup>1</sup> Based on Section 5.2, Agricultural Resources. Horizon Year 2035 is an estimate of agricultural land based on agriculture loss at buildout.

<sup>2</sup> GHG emissions from Table ES-1 of the Public Draft Unincorporated Los Angeles County Community Climate Action Plan 2020. January 2014.

# CalEEMod Land Use Inputs: Existing Land Uses

Type		Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet	Population
Residential - Single Family	Single-Family	23,082	DU	98,284	77,503,209	88,867
Residential - MultiFamily	Multi-Family	1,657	DU	5,555	3,096,379	4,623
Commercial	General Office	3,420.870	1000bsf	2,070	3,420,870	
Industrial	General Light Industrial	2,963.408	1000bsf	24,786	2,963,408	
Commercial - Gov't	Government Office	4,086.283	1000bsf	570,046	4,086,283	
Open Space	City Park	15,493.585	acre	15,494	99,405	
Golf Course	Golf Course	398.958	acre	399	45,784	
Parking	Surface Lot	17.903	acre	18	0	
Parking - Other	Other Non-Asphalt	419,510	acre	419,510	0	
Preschool	Daycare	926	students	4	102,091	
Elementary School*	Elementary School	10,436	students	265	1,151,010	
	<i>Private Charter Elementary</i>	<i>714</i>	<i>students</i>	<i>60</i>	<i>78,678</i>	
	<i>Elementary School Elementary</i>	<i>9,722</i>	<i>students</i>	<i>204</i>	<i>1,072,332</i>	
Middle School	Middle	3,343	students	70	368,745	
High School	High School	2,614	students	108	288,284	
				1,136,609	93,125,469	

\*For purposes of modeling, the the inputs for the Elementary School and Private/Charter School land uses are combined and entered under the Elementary School land use in CalEEMod.

Project Location: Los Angeles County - Mojave Desert  
Climate Zone: 9  
Operation Year: 2014  
Land Use Setting: Rural  
Utility Company: SCE  
Source Receptor Area:

## CalEEMod Land Use Inputs: Existing Land Uses

### Trip Generation:\*

<b>Total Daily Vehicle Miles Traveled:</b>	4,565,158	miles
<b>Total Average Daily Trips:</b>	251,375	trip ends
<b>Average Trip Length:</b>	18.16	miles/trip end

\*VMT, ADT, and average trip length data provided by Fehr & Peers (2014)

Land Use Type	Building Square Feet	Proportioned	Trips
Residential - Single Family	77,503,209	83.22%	209,205
Residential - MultiFamily	3,096,379	3.32%	8,358
Commercial	3,420,870	3.67%	9,234
Industrial	2,963,408	3.18%	7,999
Commercial - Gov't	4,086,283	4.39%	11,030
Open Space	99,405	0.11%	268
Golf Course	45,784	0.05%	124
Parking		0.00%	0
Parking - Other		0.00%	0
Preschool	102,091	0.11%	276
Private/Charter/Elementary School	1,151,010	1.24%	3,107
Middle School	368,745	0.40%	995
High School	288,284	0.31%	778
<b>TOTAL</b>	<b>93,125,469</b>	<b>100%</b>	<b>251,375</b>

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## CalEEMod Land Use Inputs: Existing Land Uses

<b>Residential - Single Family</b>	23,082 dwelling units (DU)			<b>Parking Lot</b>	18 acres		
	9.06 trips/DU	<i>Daily VMT</i>	<i>Annual VMT</i>	0 trips/DU	0 trips/DU	<i>Daily VMT</i>	<i>Annual VMT</i>
	209,205 Average Daily Trips (ADT)*	3,799,330	1,382,956,156		0 Average Daily Trips (ADT)*	0	0
<b>Residential - Multi Family</b>	1,657 dwelling units (DU)			<b>Parking - Other Non-Asphalt Surfaces</b>	419,510 acres		
	5.04 trips/DU			0 trips/DU	0 trips/DU		
	8,358 Average Daily Trips (ADT)*	151,789	55,251,337		0 Average Daily Trips (ADT)*	0	0
<b>Commercial</b>	3,420.87 1000bsf			<b>Preschool</b>	926 students		
	2.70 trips/1000bsf			0.30 trips/1000bsf	0.30 trips/1000bsf		
	9,234 Average Daily Trips (ADT)*	167,696	61,041,506		276 Average Daily Trips (ADT)*	5,005	1,821,697
<b>Industrial</b>	2,963.41 1000bsf			<b>Private/Charter School/Elementary School</b>	10,436 students		
	2.70 trips/1000bsf			0.30 trips/1000bsf	0.30 trips/1000bsf		
	7,999 Average Daily Trips (ADT)*	145,271	52,878,628		3,107 Average Daily Trips (ADT)*	56,424	20,538,462
<b>Government</b>	4,086.28 1000bsf			<b>Middle School</b>	3,343 students		
	2.70 trips/1000bsf			0.30 trips/DU	0.30 trips/DU		
	11,030 Average Daily Trips (ADT)*	200,316	72,915,055		995 Average Daily Trips (ADT)*	18,076	6,579,830
<b>Open Space</b>	15,494 Acres			<b>High School</b>	2,614.00 acre		
	0.02 trips/DU			0.30 trips/acre	0.30 trips/acre		
	268 Average Daily Trips (ADT)*	4,873	1,773,775		778 Average Daily Trips (ADT)*	14,132	5,144,094
<b>Golf Course</b>	398.96 acre						
	0.31 trips/acre						
	124 Average Daily Trips (ADT)*	2,244	816,968				
		<b>Total Weekday ADTs:</b>	251,375	<b>Total Weekday VMT:</b>	4,565,158		1,661,717,506

## CalEEMod Land Use Inputs: Existing Land Uses

### Water Use

Total Wastewater: 7,105,240 gallons per day  
 Total Outdoor: 8,414,100 gallons per day  
 Total Water Demand: 15,519,340 gallons per day

Indoor Use: 46%  
 Outdoor Use: 54%

Land Uses	CalEEMod Default Indoor Water Use	CalEEMod Default Outdoor Water Use	Total (gals/day)	Indoor Water Use Distribution (%)	Adjusted Indoor Distribution (%)	Outdoor Water Use Distribution (%)	Outdoor Water Use Distribution (%)	Indoor Water Use	Outdoor Water Use	Total Water Use
Residential - Single Family	1,503,885,219.39	948,101,551.36	2,451,986,771	39.95%	18.29%	4.53%	2.45%	2,838,799	380,970	3,219,769
Residential - MultiFamily	107,960,220.45	68,061,878.11	176,022,099	2.87%	1.31%	0.33%	0.18%	203,790	27,349	231,139
Commercial	608,004,046.50	372,647,641.40	980,651,688	16.15%	7.40%	1.78%	0.96%	1,147,695	149,739	1,297,434
Industrial	685,288,562.50	0	685,288,563	18.21%	8.34%	0.00%	0.00%	1,293,580	0	1,293,580
Commercial - Gov't	811,779,101.15	497,542,029.74	1,309,321,131	21.57%	9.87%	2.38%	1.29%	1,532,349	199,925	1,732,274
Open Space	0	18,460,335,439.10	18,460,335,439	0.00%	0.00%	88.16%	47.80%	0	7,417,813	7,417,813
Golf Course	0	471,778,955.21	471,778,955	0.00%	0.00%	2.25%	1.22%	0	189,572	189,572
Parking	0	0	0	0.00%	0.00%	0.00%	0.00%	0	0	0
Parking - Other	0	0	0	0.00%	0.00%	0.00%	0.00%	0	0	0
Preschool	2,244,846.24	5,772,461.76	8,017,308	0.06%	0.03%	0.03%	0.01%	4,237	2,320	6,557
Private/Charter/Elementary School	25,299,368.64	65,055,519.36	90,354,888	0.67%	0.31%	0.31%	0.17%	47,756	26,141	73,897
Middle School	8,104,234.32	20,839,459.68	28,943,694	0.22%	0.10%	0.10%	0.05%	15,298	8,374	23,672
High School	11,514,565.44	29,608,882.56	41,123,448	0.31%	0.14%	0.14%	0.08%	21,735	11,898	33,633
<b>TOTALS</b>	<b>3,764,080,165</b>	<b>20,939,743,818</b>	<b>24,703,823,983</b>	<b>100%</b>	<b>46%</b>	<b>1.0000</b>	<b>54.22%</b>	<b>7,105,239</b>	<b>8,414,101</b>	<b>15,519,340</b>
	15%	85%	100%							

\*For purposes of modeling, 40 percent of residential uses are assumed to be connected to sewer and the remaining 60 percent are connected to a septic system.

## CalEEMod Land Use Inputs: Existing Land Uses

### Solid Waste\*

*Total Solid Waste Generation:*

420,705	pounds per day
210.35	tons per day
76,778.66	tons per year

Land Uses	CalEEMod Default Solid Waste (tons/year)	Solid Waste Distribution (%)	Adjusted Solid Waste (tons/year)
Residential - Single Family	36,435.47	69.12%	53,067.36
Residential - MultiFamily	762.22	1.45%	1,110.15
Commercial	3,181.41	6.04%	4,633.65
Industrial	3,674.63	6.97%	5,352.01
Commercial - Gov't	3,800.24	7.21%	5,534.96
Open Space	1,332.45	2.53%	1,940.68
Golf Course	368.24	0.70%	536.33
Parking	0.00	0.00%	0.00
Parking - Other	0.00	0.00%	0.00
Preschool	169.00	0.32%	246.14
Private/Charter/Elementary School	1,904.57	3.61%	2,773.96
Middle School	610.10	1.16%	888.60
High School	477.06	0.90%	694.83
<b>TOTALs</b>	<b>52,715</b>	<b>100.00%</b>	<b>76,779</b>

\*Waste generation rates provided in Section 5.15.4 of Chapter 5.15, Utilities and Service Systmes, of the DEIR.

### Energy Use

**Historical Data Enabled:** All existing buildings are assumed to meet the 2005 Building Energy Efficiency Standards.

CalEEMod Land Use Inputs: Buildout: Remaining Existing Land Uses

Type		Land Use Unit Amount	Land Use Size Metric	Lot Acreage	Land Use Square Feet	Population
Residential - Single Family	Single-Family	23,082	DU	98,284	77,503,209	88,867
Residential MultiFamily	Multi-Family	1,657	DU	5,555	3,096,379	4,623
Commercial	Strip Mall	3,420.870	1000bsf	2,070	3,420,870	
Industrial	Office Park	2,963.408	1000bsf	24,786	2,963,408	
Government	General Light Industrial	4,086.283	1000bsf	570,046	4,086,283	
Open Space	City Park	15,493.585	acre	15,494	99,405	
Golf Course	Golf Course	398.958	acre	399	45,784	
Parking	Surface Lot	17.903	acre	18	0	
Parking - Other	Other Non-Asphalt	419,510	acre	419,510	0	
Preschool	Daycare	926	students	4	102,091	
Elementary School*	Elementary	10,436	students	265	1,151,010	
	Private Charter Elementary	714	students	60	78,678	
	Elementary School Elementary	9,722	students	204	1,072,332	
	Middle	3,343	students	70	368,745	
Middle School	Middle	3,343	students	70	368,745	
High School	High School	2,614	students	108	288,284	
				1,136,609	93,125,469	

\*For purposes of modeling, the the inputs for the Elementary School and Private/Charter School land uses are combined and entered under the Elementary School land use in CalEEMod.

Project Location: Los Angeles County  
Climate Zone: 9  
Operation Year: 2035  
Land Use Setting: Rural  
Utility Company: SCE  
Source Receptor Area:

**CalEEMod Land Use Inputs: Buildout: Remaining Existing Land Uses**

**Trip Generation:\***

<b>Total Daily Vehicle Miles Traveled:</b>	5,602,133	miles
<b>Total Average Daily Trips:</b>	251,375	trip ends
<b>Average Trip Length:</b>	22.29	miles/trip end

*\*VMT, ADT, and average trip length data provided by Fehr & Peers (2014)*

<b>Land Use Type</b>	<b>Building Square Feet</b>	<b>Proportioned</b>	<b>Trips</b>
Residential - Single Family	77,503,209	83.22%	209,205
Residential MultiFamily	3,096,379	3.32%	8,358
Commercial	3,420,870	3.67%	9,234
Industrial	2,963,408	3.18%	7,999
Government	4,086,283	4.39%	11,030
Open Space	99,405	0.11%	268
Golf Course	45,784	0.05%	124
Parking		0.00%	0
Parking - Other		0.00%	0
Preschool	102,091	0.11%	276
Private/Charter/Elementary School	1,151,010	1.24%	3,107
Middle School	368,745	0.40%	995
High School	288,284	0.31%	778
<b>TOTAL</b>	<b>93,125,469</b>	<b>100%</b>	<b>251,375</b>



CalEEMod Land Use Inputs: Buildout: Remaining Existing Land Uses

Residential - Single Family

23,082 dwelling units (DU)  
9.06 trips/DU  
209,205 Average Daily Trips (ADT)\*

Residential - Multi Family

1,657 dwelling units (DU)  
5.04 trips/DU  
8,358 Average Daily Trips (ADT)\*

Commercial

3,420.87 1000bsf  
2.70 trips/1000bsf  
9,234 Average Daily Trips (ADT)\*

Industrial

2,963.41 1000bsf  
2.70 trips/1000bsf  
7,999 Average Daily Trips (ADT)\*

Government

4,086.28 1000bsf  
2.70 trips/1000bsf  
11,030 Average Daily Trips (ADT)\*

Open Space

15,494 Acres  
0.02 trips/DU  
268 Average Daily Trips (ADT)\*

Golf Course

398.96 acre  
0.31 trips/acre  
124 Average Daily Trips (ADT)\*

Parking Lot

18 acres  
0 trips/DU  
0 Average Daily Trips (ADT)\*

Parking - Other Non-Asphalt Surfaces

419,510 acres  
0 trips/DU  
0 Average Daily Trips (ADT)\*

Preschool

926 students  
0.30 trips/1000bsf  
276 Average Daily Trips (ADT)\*

Private/Charter School/Elementary School

10,436 students  
0.30 trips/1000bsf  
3,107 Average Daily Trips (ADT)\*

Middle School

3,343 students  
0.30 trips/DU  
995 Average Daily Trips (ADT)\*

High School

2,614.00 acre  
0.30 trips/acre  
778 Average Daily Trips (ADT)\*

Total Weekday ADTs: 251,375 2,039,176,465

# CalEEMod Land Use Inputs: Buildout: Remaining Existing Land Uses

## Water Use

Total Wastewater: 7,105,240 gallons per day  
 Total Outdoor: 8,414,100 gallons per day  
 Total Water Demand: 15,519,340 gallons per day

Indoor Use: 46%  
 Outdoor Use: 54%

Land Uses	CalEEMod Default Indoor Water Use	CalEEMod Default Outdoor Water Use	Total (gals/day)	Indoor Water Use Distribution (%)	Adjusted Indoor Distribution (%)	Outdoor Water Use Distribution (%)	Outdoor Water Use Distribution (%)	Indoor Water Use	Outdoor Water Use	Total Water Use
Residential - Single Family	1,503,885,219.39	948,101,551.36	2,451,986,771	39.95%	18.292005828252500%	4.53%	2.45%	2,838,799	380,970	3,219,769
Residential MultiFamily	107,960,220.45	68,061,878.11	176,022,099	2.87%	1.31%	0.33%	0.18%	203,790	27,349	231,139
Commercial	608,004,046.50	372,647,641.40	980,651,688	16.15%	7.40%	1.78%	0.96%	1,147,695	149,739	1,297,434
Industrial	685,288,562.50	0	685,288,563	18.21%	8.34%	0.00%	0.00%	1,293,580	0	1,293,580
Government	811,779,101.15	497,542,029.74	1,309,321,131	21.57%	9.87%	2.38%	1.29%	1,532,349	199,925	1,732,274
Open Space	0	18,460,335,439.10	18,460,335,439	0.00%	0.00%	88.16%	47.80%	0	7,417,813	7,417,813
Golf Course	0	471,778,955.21	471,778,955	0.00%	0.00%	2.25%	1.22%	0	189,572	189,572
Parking	0	0	0	0.00%	0.00%	0.00%	0.00%	0	0	0
Parking - Other	0	0	0	0.00%	0.00%	0.00%	0.00%	0	0	0
Preschool	2,244,846.24	5,772,461.76	8,017,308	0.06%	0.03%	0.03%	0.01%	4,237	2,320	6,557
Elementary School*	25,299,368.64	65,055,519.36	90,354,888	0.67%	0.31%	0.31%	0.17%	47,756	26,141	73,897
Middle School	8,104,234.32	20,839,459.68	28,943,694	0.22%	0.10%	0.10%	0.05%	15,298	8,374	23,672
High School	11,514,565.44	29,608,882.56	41,123,448	0.31%	0.14%	0.14%	0.08%	21,735	11,898	33,633
<b>TOTALS</b>	<b>3,764,080,165</b>	<b>20,939,743,818</b>	<b>24,703,823,983</b>	<b>100%</b>	<b>46%</b>	<b>1.0000</b>	<b>54.22%</b>	<b>7,105,240</b>	<b>8,414,100</b>	<b>15,519,340</b>

\*For purposes of modeling, 40 percent of residential uses are assumed to be connected to sewer and the remaining 60 percent are connected to a septic system.

CalEEMod Land Use Inputs: Buildout: Remaining Existing Land Uses

Solid Waste\*

Total Solid Waste Generation:			
	420,705	pounds per day	
	210.35	tons per day	
	76,779	tons per year	
			Adjusted Solid Waste
Land Uses	CalEEMod Default Solid Waste (tons/year)	Solid Waste Distribution (%)	(tons/year)
Residential - Single Family	36,435.47	69.12%	53,067.36
Residential MultiFamily	762.22	1.45%	1,110.15
Commercial	3,181.41	6.04%	4,633.65
Industrial	3,674.63	6.97%	5,352.01
Government	3,800.24	7.21%	5,534.96
Open Space	1,332.45	2.53%	1,940.68
Golf Course	368.24	0.70%	536.33
Parking	0.00	0.00%	0.00
Parking - Other	0.00	0.00%	0.00
Preschool	169.00	0.32%	246.14
Elementary School*	1,904.57	3.61%	2,773.96
Middle School	610.10	1.16%	888.60
High School	477.06	0.90%	694.83
TOTALs	52,715	100.00%	76,778.66

\*Waste generation rates provided in Section 5.15.4 of Chapter 5.15, Utilities and Service Systmes, of the DEIR.

Energy Use

Historical Data Enabled: All existing buildings are assumed to meet the 2005 Building Energy Efficiency Standards.

CalEEMod Land Use Inputs: Proposed Buildout - New Land Uses

Type	Land Use Unit Amount	Land Use Size Metric	Lot Acreage**	Land Use Square Feet	Population
Residential - Single Family	79,348	DU	0	266,423,552	304,675
Residential - Multi Family	2,093	DU	0	3,911,117	7,245
Commercial (Office)	15,629.584	1000BSF	0	15,629,584	
Industrial	103,981.036	1000BSF	0	103,981,036	
Open Space(parking non-asphalt	30,708.000	Acre	0	0	
Parks	3,821.415	Acre	0	0	
Preschool	3,047	Student	0	335,876	
Elementary School	34,352	Student	0	3,788,708	
<i>Private Charter</i>	<i>2,347</i>	<i>Student</i>	<i>0</i>	<i>258,678</i>	
<i>Elementary School</i>	<i>32,004</i>	<i>Student</i>	<i>0</i>	<i>3,530,030</i>	
Middle School	11,005	Student	0	1,213,936	
High School	8,604	Student	0	948,839	
			0	396,232,647	

\*For purposes of modeling, the the inputs for the Elementary School and Private/Charter School land uses are combined and entered under the Elementary School land use in CalEEMod.

\*\*Assumes new development would occur on existing area.

Project Location: Los Angeles County  
Climate Zone: 9  
Operation Year: 2035  
Land Use Setting: Rural  
Utility Company: SCE  
Source Receptor Area:

## CalEEMod Land Use Inputs: Proposed Buildout - New Land Uses

### Trip Generation:\*

<b>Total Daily Vehicle Miles Traveled:</b>	11,463,588	miles
<b>Total Average Daily Trips:</b>	514,386	trip ends
<b>Average Trip Length:</b>	22.29	miles/trip end

\*VMT, ADT, and average trip length data provided by Fehr & Peers (2014)

Land Use Type	BSF	Proportioned	Trips
Residential - Single Family	266,423,552	67.24%	345,869
Residential - Multi Family	3,911,117	0.99%	5,077
Commercial (Office)	15,629,584	3.94%	20,290
Industrial	103,981,036	26.24%	134,987
Open Space(parking non-asphalt)	0	0.00%	0
Parks	0	0.00%	0
Preschool	335,876	0.08%	436
Private/Charter/Elementary	3,788,708	0.96%	4,918
Middle School	1,213,936	0.31%	1,576
High School	948,839	0.24%	1,232
<b>TOTAL</b>	<b>396,232,647</b>	<b>100%</b>	<b>514,386</b>

#### Residential - Single Family

79,348 dwelling units (DU)  
4.36 trips/DU  
345,869 Average Daily Trips (ADT)\*

Daily VMT  
7,708,022

Annual VMT  
2,805,719,856

#### Preschool

3,047 students  
0.14 trips/student  
436 Average Daily Trips (ADT)\*

Daily VMT  
9,717

Annual VMT  
3,537,132

#### Residential - Multi Family

2,093 dwelling units (DU)  
2.43 trips/DU  
5,077 Average Daily Trips (ADT)\*

113,154

41,188,168

#### Private/Charter School

34,352 students  
0.14 trips/student  
4,918 Average Daily Trips (ADT)\*

109,613

39,899,077

#### Commercial

15,629.58 1000bsf  
1.30 trips/1000bsf  
20,290 Average Daily Trips (ADT)\*

452,187

164,595,932

#### Middle School

11,005.41 students  
0.14 trips/student  
1,576 Average Daily Trips (ADT)\*

35,121

12,784,022

#### Industrial

103,981.04 1000bsf  
1.30 trips/1000bsf  
134,987 Average Daily Trips (ADT)\*

3,008,323

1,095,029,532

#### High School

8,604 students  
0.14 trips/student  
1,232 Average Daily Trips (ADT)\*

27,451

9,992,268

#### Open Space

30,708 acre  
0 trips/acre  
0 Average Daily Trips (ADT)\*

0

0

#### Parks

3,821.41 acre  
0 trips/acre  
0 Average Daily Trips (ADT)\*

0

0

**Total Weekday ADTs:**

514,386

**Total Weekday VMT:**

11,463,588

## CalEEMod Land Use Inputs: Proposed Buildout - New Land Uses

### Water Use

*Total Wastewater:* 23,705,920 gallons per day  
*Total Outdoor:* 18,342,960 gallons per day  
*Total Water Demand:* 42,048,880 gallons per day

*Indoor Use:* 56%  
*Outdoor Use:* 44%

Land Uses	CalEEMod Default Indoor Water Use	CalEEMod Default Outdoor Water Use	Total (gals/day)	Indoor Water Use Distribution (%)	Adjusted Indoor Distribution (%)	Outdoor Water Use Distribution (%)	Outdoor Water Use Distribution (%)	Indoor Water Use	Outdoor Water Use	Total Water Use
Residential - Single Family	5,169,841,625.01	3,259,247,980.98	8,429,089,606	16.01%	9.03%	32.59%	14.22%	3,796,066	5,978,333	9,774,399
Residential - Multi Family	136,367,375.63	85,970,736.81	222,338,112	0.42%	0.24%	0.86%	0.38%	100,131	157,693	257,824
Commercial (Office)	2,777,907,387.64	1,702,588,398.88	4,480,495,787	8.60%	4.85%	17.03%	7.43%	2,039,737	3,123,003	5,162,740
Industrial	24,045,606,250	0	24,045,606,250	74.48%	41.99%	0.00%	0.00%	17,655,996	0	17,655,996
Open Space(parking non-asphalt)	0.00	0.00	0	0.00%	0.00%	0.00%	0.00%	0	0	0
Parks	0	4,553,150,659.22	4,553,150,659	0.00%	0.00%	45.53%	19.86%	0	8,351,697	8,351,697
Preschool	7,386,659.28	18,994,266.72	26,380,926	0.02%	0.01%	0.19%	0.08%	5,424	34,841	40,264
Elementary School	83,277,492.48	214,142,123.52	297,419,616	0.26%	0.15%	2.14%	0.93%	61,148	392,794	453,942
Middle School	26,678,761.20	68,602,528.80	95,281,290	0.08%	0.05%	0.69%	0.30%	19,589	125,835	145,425
High School	37,900,275.84	97,457,852.16	135,358,128	0.12%	0.07%	0.97%	0.43%	27,829	178,764	206,593
<b>TOTALs</b>	<b>32,284,965,827</b>	<b>10,000,154,547</b>	<b>42,285,120,374</b>	<b>100%</b>	<b>56%</b>	<b>1.0000</b>	<b>43.62%</b>	<b>23,705,920</b>	<b>18,342,960</b>	<b>42,048,880</b>

\*For purposes of modeling, 60 percent of residential uses are assumed to be connected to sewer and the remaining 40 percent are connected to a septic system.

## CalEEMod Land Use Inputs: Proposed Buildout - New Land Uses

### Solid Waste\*

<i>Total Solid Waste Generation:</i>			
	1,403,640	lbs/day	
	702	tons/day	
	256,164	tons/year	
Land Uses	CalEEMod Default Solid Waste (tons/year)	Solid Waste Distribution (%)	Adjusted Solid Waste (tons/year)
Residential - Single Family	124,916.75	44.60%	114,249
Residential - Multi Family	962.78	0.34%	881
Commercial (Office)	14,535.53	5.19%	13,294
Industrial	128,936.44	46.03%	117,925
Open Space(parking non-asphalt)	0	0.00%	0
Parks	328.64212	0.12%	301
Preschool	556.08	0.20%	509
Elementary School	6,269.24	2.24%	5,734
Middle School	2,008.41	0.72%	1,837
High School	1,570.23	0.56%	1,436
<b>TOTALs</b>	<b>280,084</b>	<b>100.00%</b>	<b>256,164</b>

\*Waste generation rates provided in Section 5.15.4 of Chapter 5.15, Utilities and Service Systmes, of the DEIR.

### Energy Use

*Existing Buildings:* All existing buildings are assumed to meet the 2005 Building Energy Efficiency Standards.

*New Buildings:* New buildings would would meet the 2013 Building Energy Efficiency Standards. For modeling purposes, a 25 percent energy efficiency reduction is assumed for all buildings.

**CalEEMod Land Use Inputs: Proposed Buildout - Total (Existing + New Land Uses)**

<b>Type</b>	<b>Land Use Unit Amount</b>	<b>Land Use Size Metric</b>	<b>Lot Acreage</b>	<b>Land Use Square Feet</b>	<b>Population</b>
Residential - Single Family	102,430	DU	501,899	343,926,761	393,542
Residential - Multi Family	3,750	DU	205	7,007,495	11,868
Commercial (Office)	23,281.926	1000BSF	570,344	23,281,926	
Industrial	106,944.444	1000BSF	6,153	106,944,444	
Open Space(parking non-asphalt	30,708	Acre	30,708	0	
Parks	19,315	Acre	19,315	0	
Preschool	3,973	Student	19	437,968	
Private Charter	3,061	Student	259	337,356	
Elementary School	41,726	Student	877	4,602,362	
Middle School	14,348	Student	302	1,582,681	
High School	11,218	Student	462	1,237,123	
			1,130,545	489,358,116	

Project Location: Los Angeles County  
 Climate Zone: 9  
 Operation Year: 2035  
 Land Use Setting: Rural  
 Utility Company: SCE  
 Source Receptor Area:



**Trip Generation:\***

<b>Total Daily Vehicle Miles Traveled:</b>	17,065,721	miles	17,065,721
<b>Total Average Daily Trips:</b>	765,760	trip ends	765,760
<b>Average Trip Length:</b>	22.3	miles/trip end	

\*VMT, ADT, and average trip length data provided by Fehr & Peers (2014)

Land Use Type	BSF	Proportioned	Trips
Residential - Single Family	343,926,761	70.28%	538,186
Residential - Multi Family	7,007,495	1.43%	10,966
Commercial (Office)	23,281,926	4.76%	36,432
Industrial	106,944,444	21.85%	167,349
Open Space(parking non-asphalt)	0	0.00%	0
Parks	0	0.00%	0
Preschool	437,968	0.09%	685
Private Charter	337,356	0.07%	528
Elementary School	4,602,362	0.94%	7,202
Middle School	1,582,681	0.32%	2,477
High School	1,237,123	0.25%	1,936
<b>TOTAL</b>	<b>489,358,116</b>	<b>100%</b>	<b>765,760</b>

**Residential - Single Family**

102,430 dwelling units (DU)  
5.2542 trips/DU  
538,186 Average Daily Trips (ADT)\*

Daily VMT  
11,993,994

Annual VMT  
4,365,813,706

**Preschool**

3,973 students  
0.1725 trips/student  
685 Average Daily Trips (ADT)\*

Daily VMT  
15,274

**Residential - Multi Family**

3,750 dwelling units (DU)  
2.9241 trips/DU  
10,966 Average Daily Trips (ADT)\*

244,377

88,953,298

**Private/Charter School**

3,061 students  
0.1724 trips/student  
528 Average Daily Trips (ADT)\*

11,765

**Commercial**

23,281.93 1000bsf  
1.56483 trips/1000bsf  
36,432 Average Daily Trips (ADT)\*

811,927

295,541,270

**Elementary School**

41,726.04 students  
0.17260 trips/student  
7,202 Average Daily Trips (ADT)\*

160,501

**Industrial**

106,944.44 1000bsf  
1.56483 trips/1000bsf  
167,349 Average Daily Trips (ADT)\*

3,729,547

1,357,555,073

**Middle School**

14,348.41 students  
0.17261 trips/student  
2,477 Average Daily Trips (ADT)\*

55,194

**Open Space**

30,708 acre  
0 trips/acre  
0 Average Daily Trips (ADT)\*

0

0

**High School**

11,218 students  
0.1726 trips/student  
1,936 Average Daily Trips (ADT)\*

43,143

**Parks**

19,315.00 acre  
0 trips/acre  
0 Average Daily Trips (ADT)\*

0

0

**Total Weekday ADTs:** 765,760

16,779,844

6,107,863,347

285,877

**Water Use\***

<i>Total Wastewater:</i>	30,811,160	gallons per day
<i>Total Water Demand:</i>	57,568,220	gallons per day

*\*For purposes of modeling, 60 percent of residential uses are assumed to be connected to sewer and remaining 40 percent would utilize a septic system.*

**Solid Waste**

<i>Waste Generation Rate:</i>	4.50	pounds/resident/day
<i>Total Residents:</i>	405,410.00	residents
<i>Total Solid Waste Generation:</i>	1,824,345.00	lbs/day
	912.17	tons/day

**Energy Use**

*Existing Buildings:* All existing buildings are assumed to meet the 2005 Building Energy Efficiency Standards.

New buildings would meet the 2013 Building Energy Efficiency Standards. For modeling purposes, a 25 percent energy efficiency reduction is assumed for all

*New Buildings:* buildings.

Changes to the CalEEMod Defaults - Fleet Mix: Existing

Existing

Default	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix	0.490902	0.071303	0.171168	0.163251	0.061663	0.009724	0.004715	0.01155	0.00114	0.001047	0.007599	0.000714	0.005225	100%
Trips	123,400	17,924	43,027	41,037	15,501	2,444	1,185	2,903	287	263	1,910	179	1,313	251,375
Percent	0.740972			0.163251				0.095778						100%
Proportion	0.662511	0.096229	0.231005	1.000000	0.643812	0.101526	0.049228	0.120591	0.011903	0.010932	0.010255	0.007455	0.054553	
Assumed Mix adjusted with	98.80%			0.41%				0.79%						1
Assumed	0.654590	0.095079	0.228243	0.004087	0.005066	0.000799	0.000387	0.000949	0.000094	0.000086	0.010133	0.000059	0.000429	1
Trips	164,547	23,900	57,374	1,027	1,273	201	97	239	24	22	2,547	15	108	251,375
	0.654590	0.095079	0.228243	0.004087	0.005066	0.000799	0.000387	0.000949	0.000094	0.000086	0.010133	0.000059	0.000429	100.0%
<b>Modified</b>	<b>0.654590</b>	<b>0.095079</b>	<b>0.228243</b>	<b>0.004087</b>	<b>0.005066</b>	<b>0.000799</b>	<b>0.000387</b>	<b>0.000949</b>	<b>0.000094</b>	<b>0.000086</b>	<b>0.010133</b>	<b>0.000059</b>	<b>0.000429</b>	<b>100.0%</b>
Trips	164,547	23,900	57,374	1,027	1,273	201	97	239	24	22	2,547	15	108	251,375

\*Based on fleet mix data provided by Fehr & Peers.

Changes to the CalEEMod Defaults - Fleet Mix: Buildout

Existing

Default	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix	0.445749	0.072536	0.182873	0.171458	0.077281	0.012178	0.005402	0.011929	0.001177	0.001207	0.008225	0.000613	0.009373	100%
Trips	341,337	55,545	140,037	131,296	59,179	9,325	4,137	9,135	901	924	6,298	469	7,177	765,761
Percent	0.709383			0.171458				0.11916						100%
Proportion	0.628362	0.102252	0.257792	1.000000	0.648548	0.102199	0.045334	0.100109	0.009877	0.010129	0.011595	0.005144	0.078659	
Assumed Mix	97.26%			0.74%				2.00%						100.00%
adjusted with														
Assumed	0.611152	0.099452	0.250731	0.007405	0.012959	0.002042	0.000906	0.002000	0.000197	0.000202	0.011277	0.000103	0.001572	1
Trips	467,996	76,156	192,000	5,671	9,924	1,564	694	1,532	151	155	8,636	79	1,204	765,760
Calibrated for														
zero school														
buses	0.611152	0.099452	0.250731	0.007405	0.012959	0.002042	0.000906	0.002000	0.000197	0.000202	0.011277	0.000103	0.001572	100.0%
<b>Modified</b>	<b>0.611152</b>	<b>0.099452</b>	<b>0.250731</b>	<b>0.007405</b>	<b>0.012959</b>	<b>0.002042</b>	<b>0.000906</b>	<b>0.002000</b>	<b>0.000197</b>	<b>0.000202</b>	<b>0.011277</b>	<b>0.000103</b>	<b>0.001572</b>	<b>100.0%</b>
Trips	467,996	76,156	192,000	5,671	9,924	1,564	694	1,532	151	155	8,636	79	1,204	765,760

\*Based on fleet mix data provided by Fehr & Peers.

## Traffic Data

\*Provided by Fehr & Peers

**AVP VMT Summary - 2012 Existing DRAFT**

<b>Trip Analysis</b>	<b>Internal Trips</b>	<b>External Trips</b>	<b>All Trips</b>
Vehicle Miles Travelled (VMT)	194,328	4,370,830	4,565,158
Vehicle Trips (VT)	28,258	223,117	251,375
Average Trip Length (VMT/VT)	6.9	19.6	18.2

**AVP VMT Summary - 2035 Baseline + Project DRAFT**

<b>Trip Analysis</b>	<b>Internal Trips</b>	<b>External Trips</b>	<b>All Trips</b>
Vehicle Miles Travelled (VMT)	1,952,474	15,113,247	17,065,721
Vehicle Trips (VT)	202,093	563,668	765,760
Average Trip Length (VMT/VT)	9.7	26.8	22.3

## Fleet Mix Data\*

\*Data provided by Fehr & Peers

AVP Vehicle Trips - 2012 Existing DRAFT

Mode	SOV	HOV 2	HOV 3+	Light Trucks	Medium Trucks	Heavy Trucks	All Vehicles
External Trips	155,249	29,383	34,343	1,286	917	1,938	223,117
Internal Trips	36,551	8,026	6,242	431	308	95	51,652
<b>Subtotal</b>	<b>191,800</b>	<b>37,409</b>	<b>40,585</b>	<b>1,717</b>	<b>1,225</b>	<b>2,033</b>	<b>274,769</b>
<i>Internalization*</i>	44%	50%	46%	62%	64%	58%	45%
Reduced Internal Trips	20,515	4,045	3,382	166	110	40	28,258
<b>Total Trips</b>	<b>175,764</b>	<b>33,428</b>	<b>37,725</b>	<b>1,452</b>	<b>1,027</b>	<b>1,978</b>	<b>251,375</b>

Fleet Mix: Existing		
LDT	MT	HHT
248,369	1,027	1,978
<b>98.80%</b>	<b>0.41%</b>	<b>0.79%</b>

AVP Vehicle Trips - 2035 Baseline + Project DRAFT

Mode	SOV	HOV 2	HOV 3+	Light Trucks	Medium Trucks	Heavy Trucks	All Vehicles
External Trips	359,744	73,636	107,528	5,695	3,524	13,540	563,668
Internal Trips	288,078	54,944	44,338	5,921	6,211	4,028	403,519
<b>Subtotal</b>	<b>647,822</b>	<b>128,580</b>	<b>151,867</b>	<b>11,616</b>	<b>9,735</b>	<b>17,567</b>	<b>967,187</b>
<i>Internalization*</i>	47%	58%	55%	65%	65%	56%	50%
Reduced Internal Trips	152,979	23,088	20,068	2,049	2,147	1,762	202,093
<b>Total Trips</b>	<b>512,723</b>	<b>96,724</b>	<b>127,597</b>	<b>7,744</b>	<b>5,671</b>	<b>15,302</b>	<b>765,761</b>

Fleet Mix: Future + Project		
LDT	MT	HHT
744,788	5,671	15,302
<b>97.26%</b>	<b>0.74%</b>	<b>2.00%</b>

\*Internalized vehicle trips are not assigned to the model network. These trips are relatively short and remain on local streets, which are not detailed in the traffic model. The beginning and end of these trips occur within a single Traffic Analysis Zone (TAZ). Since they do not travel on study roadways, they are not included in VMT estimates and are removed from the final vehicle trip generation estimates.

**Existing**  
**Los Angeles-Mojave Desert County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	3,420.87	1000sqft	2,070.00	3,420,870.00	0
Government Office Building	4,086.28	1000sqft	570,046.00	4,086,283.00	0
Day-Care Center	926.00	Student	4.00	102,091.00	0
Elementary School	10,436.00	Student	265.00	1,151,010.00	0
High School	2,614.00	Student	108.00	288,284.00	0
Junior High School	3,343.00	Student	70.00	368,745.00	0
General Light Industry	2,963.41	1000sqft	24,786.00	2,963,408.00	0
Other Non-Asphalt Surfaces	419,510.00	Acre	419,510.00	0.00	0
Parking Lot	17.90	Acre	17.90	0.00	0
City Park	15,493.58	Acre	15,493.58	99,405.00	0
Golf Course	395.96	Acre	399.00	45,784.00	0
Apartments Low Rise	1,657.00	Dwelling Unit	5,555.00	3,096,379.00	4623
Single Family Housing	23,082.00	Dwelling Unit	98,284.00	77,503,209.00	88867

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9	<b>Operational Year</b>	2014		
<b>Utility Company</b>	Southern California Edison				

CO2 Intensity  
(lb/MW hr) 630.89

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 information provided by the County. For modeling purposes, private/charter schools and elementary school land use information combined as one.

Construction Phase - No construction component for modeling.

Off-road Equipment - No construction component.

Off-road Equipment -

Vehicle Trips - Trip generation rate and average trip distance based on information provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Energy Use -

Water And Wastewater - See Sections 5.17.1 and 5.17.2 of the Draft EIR. Otherwise noted, modeling assumes 60% of existing land uses use septic systems.

Solid Waste - See Section 5.17.4 of the Draft EIR.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	18788819	18788816
tblConstructionPhase	NumDays	10,000.00	10.00
tblLandUse	LandUseSquareFeet	4,086,280.00	4,086,283.00
tblLandUse	LandUseSquareFeet	52,340.15	102,091.00
tblLandUse	LandUseSquareFeet	872,484.77	1,151,010.00
tblLandUse	LandUseSquareFeet	346,775.80	288,284.00
tblLandUse	LandUseSquareFeet	393,008.71	368,745.00
tblLandUse	LandUseSquareFeet	2,963,410.00	2,963,408.00
tblLandUse	LandUseSquareFeet	18,273,855,600.00	0.00
tblLandUse	LandUseSquareFeet	779,724.00	0.00



tblLandUse	LandUseSquareFeet	674,901,216.00	99,405.00
tblLandUse	LandUseSquareFeet	17,248,017.60	45,784.00
tblLandUse	LandUseSquareFeet	1,657,000.00	3,096,379.00
tblLandUse	LandUseSquareFeet	41,547,600.00	77,503,209.00
tblLandUse	LotAcreage	78.53	2,070.00
tblLandUse	LotAcreage	93.81	570,046.00
tblLandUse	LotAcreage	1.20	4.00
tblLandUse	LotAcreage	20.03	265.00
tblLandUse	LotAcreage	7.96	108.00
tblLandUse	LotAcreage	9.02	70.00
tblLandUse	LotAcreage	68.03	24,786.00
tblLandUse	LotAcreage	15,493.60	15,493.58
tblLandUse	LotAcreage	395.96	399.00
tblLandUse	LotAcreage	103.56	5,555.00
tblLandUse	LotAcreage	7,494.16	98,284.00
tblLandUse	Population	4,739.00	4,623.00
tblLandUse	Population	66,015.00	88,867.00
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblSolidWaste	SolidWasteGenerationRate	762.22	1,110.15
tblSolidWaste	SolidWasteGenerationRate	1,332.45	1,940.68
tblSolidWaste	SolidWasteGenerationRate	169.00	246.14
tblSolidWaste	SolidWasteGenerationRate	1,904.57	2,773.96
tblSolidWaste	SolidWasteGenerationRate	3,674.63	5,352.01
tblSolidWaste	SolidWasteGenerationRate	3,181.41	4,633.65
tblSolidWaste	SolidWasteGenerationRate	368.24	536.33
tblSolidWaste	SolidWasteGenerationRate	3,800.24	5,534.96
tblSolidWaste	SolidWasteGenerationRate	477.06	694.83

tblSolidWaste	SolidWasteGenerationRate	610.10	888.60
tblSolidWaste	SolidWasteGenerationRate	36,435.47	53,067.36
tblVehicleEF	HHD	0.01	9.4900e-004
tblVehicleEF	HHD	0.01	9.4900e-004
tblVehicleEF	HHD	0.01	9.4900e-004
tblVehicleEF	LDA	0.49	0.65
tblVehicleEF	LDA	0.49	0.65
tblVehicleEF	LDA	0.49	0.65
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT2	0.17	0.23
tblVehicleEF	LDT2	0.17	0.23
tblVehicleEF	LDT2	0.17	0.23
tblVehicleEF	LHD1	0.06	5.0660e-003
tblVehicleEF	LHD1	0.06	5.0660e-003
tblVehicleEF	LHD1	0.06	5.0660e-003
tblVehicleEF	LHD2	9.7240e-003	7.9900e-004
tblVehicleEF	LHD2	9.7240e-003	7.9900e-004
tblVehicleEF	LHD2	9.7240e-003	7.9900e-004
tblVehicleEF	MCY	7.5990e-003	0.01
tblVehicleEF	MCY	7.5990e-003	0.01
tblVehicleEF	MCY	7.5990e-003	0.01
tblVehicleEF	MDV	0.16	4.0870e-003
tblVehicleEF	MDV	0.16	4.0870e-003
tblVehicleEF	MDV	0.16	4.0870e-003
tblVehicleEF	MH	5.2250e-003	4.2900e-004

tblVehicleEF	MH	5.2250e-003	4.2900e-004
tblVehicleEF	MH	5.2250e-003	4.2900e-004
tblVehicleEF	MHD	4.7150e-003	3.8700e-004
tblVehicleEF	MHD	4.7150e-003	3.8700e-004
tblVehicleEF	MHD	4.7150e-003	3.8700e-004
tblVehicleEF	OBUS	1.1400e-003	9.4000e-005
tblVehicleEF	OBUS	1.1400e-003	9.4000e-005
tblVehicleEF	OBUS	1.1400e-003	9.4000e-005
tblVehicleEF	SBUS	7.1400e-004	5.9000e-005
tblVehicleEF	SBUS	7.1400e-004	5.9000e-005
tblVehicleEF	SBUS	7.1400e-004	5.9000e-005
tblVehicleEF	UBUS	1.0470e-003	8.6000e-005
tblVehicleEF	UBUS	1.0470e-003	8.6000e-005
tblVehicleEF	UBUS	1.0470e-003	8.6000e-005
tblVehicleTrips	CC_TL	7.30	18.16
tblVehicleTrips	CC_TL	7.30	18.16
tblVehicleTrips	CC_TL	7.30	18.16
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tblVehicleTrips	CC_TL	7.30	18.16
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tblVehicleTrips	CC_TL	7.30	18.16
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tblVehicleTrips	CC_TL	7.30	18.16
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	82.30	100.00
tblVehicleTrips	CC_TTP	30.00	100.00
tblVehicleTrips	CC_TTP	28.00	100.00

tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	62.00	100.00
tblVehicleTrips	CC_TTP	17.20	100.00
tblVehicleTrips	CC_TTP	22.20	100.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
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tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00

tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
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tblVehicleTrips	HO_TL	7.50	0.00

tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TL	7.30	0.00
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tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	10.80	18.16
tblVehicleTrips	HW_TL	10.80	18.16
tblVehicleTrips	HW_TTP	40.20	100.00
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tblVehicleTrips	PR_TP	66.00	100.00
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tblVehicleTrips	ST_TR	0.00	0.30
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tblVehicleTrips	ST_TR	5.82	0.31
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tblVehicleTrips	ST_TR	0.00	0.30
tblVehicleTrips	ST_TR	10.08	9.06
tblVehicleTrips	SU_TR	6.07	5.04
tblVehicleTrips	SU_TR	1.59	0.02
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tblVehicleTrips	SU_TR	0.00	0.30
tblVehicleTrips	SU_TR	8.77	9.06

tblVehicleTrips	WD_TR	6.59	5.04
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tblVehicleTrips	WD_TR	4.48	0.30
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tblVehicleTrips	WD_TR	6.97	2.70
tblVehicleTrips	WD_TR	11.01	2.70
tblVehicleTrips	WD_TR	5.04	0.31
tblVehicleTrips	WD_TR	68.93	2.70
tblVehicleTrips	WD_TR	1.71	0.30
tblVehicleTrips	WD_TR	1.62	0.30
tblVehicleTrips	WD_TR	9.57	9.06
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
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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	IndoorWaterUseRate	107,960,220.45	203,790.00
tblWater	IndoorWaterUseRate	2,244,846.24	4,237.00
tblWater	IndoorWaterUseRate	25,299,368.64	47,756.00
tblWater	IndoorWaterUseRate	685,288,562.50	1,293,580.00
tblWater	IndoorWaterUseRate	608,004,046.50	1,147,695.00
tblWater	IndoorWaterUseRate	811,779,101.15	1,532,349.00
tblWater	IndoorWaterUseRate	11,514,565.44	21,735.00
tblWater	IndoorWaterUseRate	8,104,234.32	15,298.00
tblWater	IndoorWaterUseRate	1,503,885,219.39	2,838,799.00
tblWater	OutdoorWaterUseRate	68,061,878.11	27,349.00
tblWater	OutdoorWaterUseRate	18,460,335,439.10	7,417,813.00
tblWater	OutdoorWaterUseRate	5,772,461.76	2,320.00
tblWater	OutdoorWaterUseRate	65,055,519.36	26,141.00
tblWater	OutdoorWaterUseRate	372,647,641.40	149,739.00
tblWater	OutdoorWaterUseRate	471,778,955.21	189,572.00
tblWater	OutdoorWaterUseRate	497,542,029.74	199,925.00
tblWater	OutdoorWaterUseRate	29,608,882.56	11,898.00
tblWater	OutdoorWaterUseRate	20,839,459.68	8,374.00
tblWater	OutdoorWaterUseRate	948,101,551.36	380,970.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	0.00

tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00

## 2.0 Emissions Summary

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### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	0.4293	4.8829	3.6249	5.5800e-003	0.0246	0.2404	0.2650	6.5400e-003	0.2211	0.2277	0.0000	580.3245	580.3245	0.1676	0.0000	583.8444
<b>Total</b>	<b>0.4293</b>	<b>4.8829</b>	<b>3.6249</b>	<b>5.5800e-003</b>	<b>0.0246</b>	<b>0.2404</b>	<b>0.2650</b>	<b>6.5400e-003</b>	<b>0.2211</b>	<b>0.2277</b>	<b>0.0000</b>	<b>580.3245</b>	<b>580.3245</b>	<b>0.1676</b>	<b>0.0000</b>	<b>583.8444</b>

## Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	0.4293	4.8829	3.6249	5.5800e-003	0.0246	0.2404	0.2650	6.5400e-003	0.2211	0.2277	0.0000	580.3245	580.3245	0.1676	0.0000	583.8444
Total	0.4293	4.8829	3.6249	5.5800e-003	0.0246	0.2404	0.2650	6.5400e-003	0.2211	0.2277	0.0000	580.3245	580.3245	0.1676	0.0000	583.8444

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

## 2.2 Overall Operational

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	40,696.9021	538.9300	48,780.2980	18.3289		6,563.9193	6,563.9193		6,563.7272	6,563.7272	687,044.8466	291,912.9976	978,957.8442	638.2500	54.0413	1,009,113.8856
Energy	28.0359	242.3934	122.5820	1.5292		19.3703	19.3703		19.3703	19.3703		305,846.4875	305,846.4875	5.8621	5.6072	307,707.8182
Mobile	1,556.2395	2,584.4257	25,133.6641	38.5268	3,470.5171	29.2175	3,499.7346	920.3873	26.6143	947.0016		3,421,681.2202	3,421,681.2202	223.4027		3,426,372.6769
Total	42,281.1775	3,365.7491	74,036.5440	58.3849	3,470.5171	6,612.5071	10,083.0242	920.3873	6,609.7118	7,530.0991	687,044.8466	4,019,440.7053	4,706,485.5519	867.5148	59.6485	4,743,194.3807

### 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	40,696.9021	538.9300	48,780.2980	18.3289		6,563.9193	6,563.9193		6,563.7272	6,563.7272	687,044.8466	291,912.9976	978,957.8442	638.2500	54.0413	1,009,113.8856
Energy	28.0359	242.3934	122.5820	1.5292		19.3703	19.3703		19.3703	19.3703		305,846.4875	305,846.4875	5.8621	5.6072	307,707.8182
Mobile	1,556.2395	2,584.4257	25,133.6641	38.5268	3,470.5171	29.2175	3,499.7346	920.3873	26.6143	947.0016		3,421,681.2202	3,421,681.2202	223.4027		3,426,372.6769
Total	42,281.1775	3,365.7491	74,036.5440	58.3849	3,470.5171	6,612.5071	10,083.0242	920.3873	6,609.7118	7,530.0991	687,044.8466	4,019,440.7053	4,706,485.5519	867.5148	59.6485	4,743,194.3807

[illegible]

## 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	1,556.2395	2,584.4257	25,133.6641	38.5268	3,470.5171	29.2175	3,499.7346	920.3873	26.6143	947.0016		3,421,681.2202	3,421,681.2202	223.4027		3,426,372.6769
Unmitigated	1,556.2395	2,584.4257	25,133.6641	38.5268	3,470.5171	29.2175	3,499.7346	920.3873	26.6143	947.0016		3,421,681.2202	3,421,681.2202	223.4027		3,426,372.6769

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	8,351.28	8,351.28	8351.28	55,203,965	55,203,965
City Park	309.87	309.87	309.87	2,048,326	2,048,326
Day-Care Center	277.80	277.80	277.80	1,836,325	1,836,325
Elementary School	3,106.90	3,106.90	3106.90	20,537,365	20,537,365
General Light Industry	8,001.21	8,001.21	8001.21	52,889,899	52,889,899
General Office Building	9,236.35	9,236.35	9236.35	61,054,484	61,054,484
Golf Course	122.75	122.75	122.75	811,391	811,391
Government Office Building	11,032.96	11,032.96	11032.96	72,930,487	72,930,487
High School	784.20	784.20	784.20	5,183,750	5,183,750
Junior High School	1,002.90	1,002.90	1002.90	6,629,410	6,629,410
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	209,122.92	209,122.92	209122.92	1,382,352,691	1,382,352,691
Total	251,349.13	251,349.13	251,349.13	1,661,478,091	1,661,478,091

### 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	18.16	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Day-Care Center	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Elementary School	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
General Light Industry	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Golf Course	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Government Office Building	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
High School	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Junior High School	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	18.16	0.00	0.00	100.00	0.00	0.00	100	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.654590	0.095079	0.228243	0.004087	0.005066	0.000799	0.000387	0.000949	0.000094	0.000086	0.010133	0.000059	0.000429

5.0 Energy Detail

4.4 Fleet Mix

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	28.0359	242.3934	122.5820	1.5292		19.3703	19.3703		19.3703	19.3703		305,846.4875	305,846.4875	5.8621	5.6072	307,707.8182
NaturalGas Unmitigated	28.0359	242.3934	122.5820	1.5292		19.3703	19.3703		19.3703	19.3703		305,846.4875	305,846.4875	5.8621	5.6072	307,707.8182

## 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					
Day-Care Center	3297.68	0.0356	0.3233	0.2716	1.9400e-003		0.0246	0.0246		0.0246	0.0246		387.9623	387.9623	7.4400e-003	7.1100e-003	390.3233
Elementary School	37179.2	0.4010	3.6450	3.0618	0.0219		0.2770	0.2770		0.2770	0.2770		4,374.0235	4,374.0235	0.0838	0.0802	4,400.6431
General Light Industry	160755	1.7336	15.7603	13.2386	0.0946		1.1978	1.1978		1.1978	1.1978		18,912.3218	18,912.3218	0.3625	0.3467	19,027.4190
General Office Building	116591	1.2574	11.4305	9.6016	0.0686		0.8687	0.8687		0.8687	0.8687		13,716.5585	13,716.5585	0.2629	0.2515	13,800.0352
Golf Course	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
Government Office Building	139269	1.5019	13.6539	11.4693	0.0819		1.0377	1.0377		1.0377	1.0377		16,384.6448	16,384.6448	0.3140	0.3004	16,484.3590
High School	9311.97	0.1004	0.9129	0.7669	5.4800e-003		0.0694	0.0694		0.0694	0.0694		1,095.5257	1,095.5257	0.0210	0.0201	1,102.1929
Junior High School	11911	0.1285	1.1677	0.9809	7.0100e-003		0.0888	0.0888		0.0888	0.0888		1,401.2904	1,401.2904	0.0269	0.0257	1,409.8185
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.0528e+006	22.1381	189.1801	80.5022	1.2075		15.2954	15.2954		15.2954	15.2954		241,506.4638	241,506.4638	4.6289	4.4276	242,976.2319
Apartments Low Rise	68575.4	0.7395	6.3197	2.6892	0.0403		0.5110	0.5110		0.5110	0.5110		8,067.6967	8,067.6967	0.1546	0.1479	8,116.7953
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
<b>Total</b>		<b>28.0359</b>	<b>242.3934</b>	<b>122.5820</b>	<b>1.5292</b>		<b>19.3703</b>	<b>19.3703</b>		<b>19.3703</b>	<b>19.3703</b>		<b>305,846.4875</b>	<b>305,846.4875</b>	<b>5.8621</b>	<b>5.6072</b>	<b>307,707.8182</b>



## 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					
Day-Care Center	3.29768	0.0356	0.3233	0.2716	1.9400e-003		0.0246	0.0246		0.0246	0.0246		387.9623	387.9623	7.4400e-003	7.1100e-003	390.3233
Elementary School	37.1792	0.4010	3.6450	3.0618	0.0219		0.2770	0.2770		0.2770	0.2770		4,374.0235	4,374.0235	0.0838	0.0802	4,400.6431
General Light Industry	160.755	1.7336	15.7603	13.2386	0.0946		1.1978	1.1978		1.1978	1.1978		18,912.3218	18,912.3218	0.3625	0.3467	19,027.4190
General Office Building	116.591	1.2574	11.4305	9.6016	0.0686		0.8687	0.8687		0.8687	0.8687		13,716.5585	13,716.5585	0.2629	0.2515	13,800.0352
Golf Course	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
Government Office Building	139.269	1.5019	13.6539	11.4693	0.0819		1.0377	1.0377		1.0377	1.0377		16,384.6448	16,384.6448	0.3140	0.3004	16,484.3590
High School	9.31197	0.1004	0.9129	0.7669	5.4800e-003		0.0694	0.0694		0.0694	0.0694		1,095.5257	1,095.5257	0.0210	0.0201	1,102.1929
Junior High School	11.911	0.1285	1.1677	0.9809	7.0100e-003		0.0888	0.0888		0.0888	0.0888		1,401.2904	1,401.2904	0.0269	0.0257	1,409.8185
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2052.8	22.1381	189.1801	80.5022	1.2075		15.2954	15.2954		15.2954	15.2954		241,506.4638	241,506.4638	4.6289	4.4276	242,976.2319
Apartments Low Rise	68.5754	0.7395	6.3197	2.6892	0.0403		0.5110	0.5110		0.5110	0.5110		8,067.6967	8,067.6967	0.1546	0.1479	8,116.7953
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
<b>Total</b>		<b>28.0359</b>	<b>242.3934</b>	<b>122.5820</b>	<b>1.5292</b>		<b>19.3703</b>	<b>19.3703</b>		<b>19.3703</b>	<b>19.3703</b>		<b>305,846.4875</b>	<b>305,846.4875</b>	<b>5.8621</b>	<b>5.6072</b>	<b>307,707.8182</b>

## 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	40,696.9021	538.9300	48,780.2980	18.3289		6,563.9193	6,563.9193		6,563.7272	6,563.7272	687,044.8466	291,912.9976	978,957.8442	638.2500	54.0413	1,009,113.8856
Unmitigated	40,696.9021	538.9300	48,780.2980	18.3289		6,563.9193	6,563.9193		6,563.7272	6,563.7272	687,044.8466	291,912.9976	978,957.8442	638.2500	54.0413	1,009,113.8856

### 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	770.3961					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,992.8850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	37,860.4410	513.6649	46,639.9972	18.2176		6,552.6368	6,552.6368		6,552.4447	6,552.4447	687,044.8466	288,136.5882	975,181.4348	634.0284	54.0413	1,005,248.8223
Landscaping	73.1799	25.2651	2,140.3007	0.1113		11.2826	11.2826		11.2826	11.2826		3,776.4094	3,776.4094	4.2216		3,865.0633
Total	40,696.9021	538.9300	48,780.2980	18.3289		6,563.9193	6,563.9193		6,563.7272	6,563.7272	687,044.8466	291,912.9976	978,957.8442	638.2500	54.0413	1,009,113.8856

**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	770.3961					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,992.8850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	37,860.4410	513.6649	46,639.9972	18.2176		6,552.6368	6,552.6368		6,552.4447	6,552.4447	687,044.8466	288,136.5882	975,181.4348	634.0284	54.0413	1,005,248.8223
Landscaping	73.1799	25.2651	2,140.3007	0.1113		11.2826	11.2826		11.2826	11.2826		3,776.4094	3,776.4094	4.2216		3,865.0633
Total	40,696.9021	538.9300	48,780.2980	18.3289		6,563.9193	6,563.9193		6,563.7272	6,563.7272	687,044.8466	291,912.9976	978,957.8442	638.2500	54.0413	1,009,113.8856

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**Existing**  
**Los Angeles-Mojave Desert County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	3,420.87	1000sqft	2,070.00	3,420,870.00	0
Government Office Building	4,086.28	1000sqft	570,046.00	4,086,283.00	0
Day-Care Center	926.00	Student	4.00	102,091.00	0
Elementary School	10,436.00	Student	265.00	1,151,010.00	0
High School	2,614.00	Student	108.00	288,284.00	0
Junior High School	3,343.00	Student	70.00	368,745.00	0
General Light Industry	2,963.41	1000sqft	24,786.00	2,963,408.00	0
Other Non-Asphalt Surfaces	419,510.00	Acre	419,510.00	0.00	0
Parking Lot	17.90	Acre	17.90	0.00	0
City Park	15,493.58	Acre	15,493.58	99,405.00	0
Golf Course	395.96	Acre	399.00	45,784.00	0
Apartments Low Rise	1,657.00	Dwelling Unit	5,555.00	3,096,379.00	4623
Single Family Housing	23,082.00	Dwelling Unit	98,284.00	77,503,209.00	88867

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9	<b>Operational Year</b>	2014		
<b>Utility Company</b>	Southern California Edison				

**CO2 Intensity**  
(lb/MW hr) 630.89

**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 information provided by the County. For modeling purposes, private/charter schools and elementary school land use information combined as one.

Construction Phase - No construction component for modeling.

Off-road Equipment - No construction component.

Off-road Equipment -

Vehicle Trips - Trip generation rate and average trip distance based on information provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Energy Use -

Water And Wastewater - See Sections 5.17.1 and 5.17.2 of the Draft EIR. Otherwise noted, modeling assumes 60% of existing land uses use septic systems.

Solid Waste - See Section 5.17.4 of the Draft EIR.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	18788819	18788816
tblConstructionPhase	NumDays	10,000.00	10.00
tblLandUse	LandUseSquareFeet	4,086,280.00	4,086,283.00
tblLandUse	LandUseSquareFeet	52,340.15	102,091.00
tblLandUse	LandUseSquareFeet	872,484.77	1,151,010.00
tblLandUse	LandUseSquareFeet	346,775.80	288,284.00
tblLandUse	LandUseSquareFeet	393,008.71	368,745.00
tblLandUse	LandUseSquareFeet	2,963,410.00	2,963,408.00
tblLandUse	LandUseSquareFeet	18,273,855,600.00	0.00
tblLandUse	LandUseSquareFeet	779,724.00	0.00

tblLandUse	LandUseSquareFeet	674,901,216.00	99,405.00
tblLandUse	LandUseSquareFeet	17,248,017.60	45,784.00
tblLandUse	LandUseSquareFeet	1,657,000.00	3,096,379.00
tblLandUse	LandUseSquareFeet	41,547,600.00	77,503,209.00
tblLandUse	LotAcreage	78.53	2,070.00
tblLandUse	LotAcreage	93.81	570,046.00
tblLandUse	LotAcreage	1.20	4.00
tblLandUse	LotAcreage	20.03	265.00
tblLandUse	LotAcreage	7.96	108.00
tblLandUse	LotAcreage	9.02	70.00
tblLandUse	LotAcreage	68.03	24,786.00
tblLandUse	LotAcreage	15,493.60	15,493.58
tblLandUse	LotAcreage	395.96	399.00
tblLandUse	LotAcreage	103.56	5,555.00
tblLandUse	LotAcreage	7,494.16	98,284.00
tblLandUse	Population	4,739.00	4,623.00
tblLandUse	Population	66,015.00	88,867.00
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblSolidWaste	SolidWasteGenerationRate	762.22	1,110.15
tblSolidWaste	SolidWasteGenerationRate	1,332.45	1,940.68
tblSolidWaste	SolidWasteGenerationRate	169.00	246.14
tblSolidWaste	SolidWasteGenerationRate	1,904.57	2,773.96
tblSolidWaste	SolidWasteGenerationRate	3,674.63	5,352.01
tblSolidWaste	SolidWasteGenerationRate	3,181.41	4,633.65
tblSolidWaste	SolidWasteGenerationRate	368.24	536.33
tblSolidWaste	SolidWasteGenerationRate	3,800.24	5,534.96
tblSolidWaste	SolidWasteGenerationRate	477.06	694.83

tblSolidWaste	SolidWasteGenerationRate	610.10	888.60
tblSolidWaste	SolidWasteGenerationRate	36,435.47	53,067.36
tblVehicleEF	HHD	0.01	9.4900e-004
tblVehicleEF	HHD	0.01	9.4900e-004
tblVehicleEF	HHD	0.01	9.4900e-004
tblVehicleEF	LDA	0.49	0.65
tblVehicleEF	LDA	0.49	0.65
tblVehicleEF	LDA	0.49	0.65
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT2	0.17	0.23
tblVehicleEF	LDT2	0.17	0.23
tblVehicleEF	LDT2	0.17	0.23
tblVehicleEF	LHD1	0.06	5.0660e-003
tblVehicleEF	LHD1	0.06	5.0660e-003
tblVehicleEF	LHD1	0.06	5.0660e-003
tblVehicleEF	LHD2	9.7240e-003	7.9900e-004
tblVehicleEF	LHD2	9.7240e-003	7.9900e-004
tblVehicleEF	LHD2	9.7240e-003	7.9900e-004
tblVehicleEF	MCY	7.5990e-003	0.01
tblVehicleEF	MCY	7.5990e-003	0.01
tblVehicleEF	MCY	7.5990e-003	0.01
tblVehicleEF	MDV	0.16	4.0870e-003
tblVehicleEF	MDV	0.16	4.0870e-003
tblVehicleEF	MDV	0.16	4.0870e-003
tblVehicleEF	MH	5.2250e-003	4.2900e-004

tblVehicleEF	MH	5.2250e-003	4.2900e-004
tblVehicleEF	MH	5.2250e-003	4.2900e-004
tblVehicleEF	MHD	4.7150e-003	3.8700e-004
tblVehicleEF	MHD	4.7150e-003	3.8700e-004
tblVehicleEF	MHD	4.7150e-003	3.8700e-004
tblVehicleEF	OBUS	1.1400e-003	9.4000e-005
tblVehicleEF	OBUS	1.1400e-003	9.4000e-005
tblVehicleEF	OBUS	1.1400e-003	9.4000e-005
tblVehicleEF	SBUS	7.1400e-004	5.9000e-005
tblVehicleEF	SBUS	7.1400e-004	5.9000e-005
tblVehicleEF	SBUS	7.1400e-004	5.9000e-005
tblVehicleEF	UBUS	1.0470e-003	8.6000e-005
tblVehicleEF	UBUS	1.0470e-003	8.6000e-005
tblVehicleEF	UBUS	1.0470e-003	8.6000e-005
tblVehicleTrips	CC_TL	7.30	18.16
tblVehicleTrips	CC_TL	7.30	18.16
tblVehicleTrips	CC_TL	7.30	18.16
tblVehicleTrips	CC_TL	7.30	18.16
tblVehicleTrips	CC_TL	7.30	18.16
tblVehicleTrips	CC_TL	7.30	18.16
tblVehicleTrips	CC_TL	7.30	18.16
tblVehicleTrips	CC_TL	7.30	18.16
tblVehicleTrips	CC_TL	7.30	18.16
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	82.30	100.00
tblVehicleTrips	CC_TTP	30.00	100.00
tblVehicleTrips	CC_TTP	28.00	100.00



tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	62.00	100.00
tblVehicleTrips	CC_TTP	17.20	100.00
tblVehicleTrips	CC_TTP	22.20	100.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	13.00	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	5.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00

tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	12.70	0.00
tblVehicleTrips	CW_TTP	65.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	77.80	0.00
tblVehicleTrips	CW_TTP	72.80	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	58.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	DV_TP	34.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TL	7.50	0.00

tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	10.80	18.16
tblVehicleTrips	HW_TL	10.80	18.16
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	14.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00
tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	28.00	100.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00

tblVehicleTrips	PR_TP	52.00	100.00
tblVehicleTrips	PR_TP	50.00	100.00
tblVehicleTrips	PR_TP	75.00	100.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	7.16	5.04
tblVehicleTrips	ST_TR	1.59	0.02
tblVehicleTrips	ST_TR	0.39	0.30
tblVehicleTrips	ST_TR	0.00	0.30
tblVehicleTrips	ST_TR	1.32	2.70
tblVehicleTrips	ST_TR	2.37	2.70
tblVehicleTrips	ST_TR	5.82	0.31
tblVehicleTrips	ST_TR	0.00	2.70
tblVehicleTrips	ST_TR	0.61	0.30
tblVehicleTrips	ST_TR	0.00	0.30
tblVehicleTrips	ST_TR	10.08	9.06
tblVehicleTrips	SU_TR	6.07	5.04
tblVehicleTrips	SU_TR	1.59	0.02
tblVehicleTrips	SU_TR	0.37	0.30
tblVehicleTrips	SU_TR	0.00	0.30
tblVehicleTrips	SU_TR	0.68	2.70
tblVehicleTrips	SU_TR	0.98	2.70
tblVehicleTrips	SU_TR	5.88	0.31
tblVehicleTrips	SU_TR	0.00	2.70
tblVehicleTrips	SU_TR	0.25	0.30
tblVehicleTrips	SU_TR	0.00	0.30
tblVehicleTrips	SU_TR	8.77	9.06

tblVehicleTrips	WD_TR	6.59	5.04
tblVehicleTrips	WD_TR	1.59	0.02
tblVehicleTrips	WD_TR	4.48	0.30
tblVehicleTrips	WD_TR	1.29	0.30
tblVehicleTrips	WD_TR	6.97	2.70
tblVehicleTrips	WD_TR	11.01	2.70
tblVehicleTrips	WD_TR	5.04	0.31
tblVehicleTrips	WD_TR	68.93	2.70
tblVehicleTrips	WD_TR	1.71	0.30
tblVehicleTrips	WD_TR	1.62	0.30
tblVehicleTrips	WD_TR	9.57	9.06
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
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	107,960,220.45	203,790.00
tblWater	IndoorWaterUseRate	2,244,846.24	4,237.00
tblWater	IndoorWaterUseRate	25,299,368.64	47,756.00
tblWater	IndoorWaterUseRate	685,288,562.50	1,293,580.00
tblWater	IndoorWaterUseRate	608,004,046.50	1,147,695.00
tblWater	IndoorWaterUseRate	811,779,101.15	1,532,349.00
tblWater	IndoorWaterUseRate	11,514,565.44	21,735.00
tblWater	IndoorWaterUseRate	8,104,234.32	15,298.00
tblWater	IndoorWaterUseRate	1,503,885,219.39	2,838,799.00
tblWater	OutdoorWaterUseRate	68,061,878.11	27,349.00
tblWater	OutdoorWaterUseRate	18,460,335,439.10	7,417,813.00
tblWater	OutdoorWaterUseRate	5,772,461.76	2,320.00
tblWater	OutdoorWaterUseRate	65,055,519.36	26,141.00
tblWater	OutdoorWaterUseRate	372,647,641.40	149,739.00
tblWater	OutdoorWaterUseRate	471,778,955.21	189,572.00
tblWater	OutdoorWaterUseRate	497,542,029.74	199,925.00
tblWater	OutdoorWaterUseRate	29,608,882.56	11,898.00
tblWater	OutdoorWaterUseRate	20,839,459.68	8,374.00
tblWater	OutdoorWaterUseRate	948,101,551.36	380,970.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	0.00

tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00

## 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	40,696.9021	538.9300	48,780.2980	18.3289		6,563.9193	6,563.9193		6,563.7272	6,563.7272	687,044.8466	291,912.9976	978,957.8442	638.2500	54.0413	1,009,113.8856
Energy	28.0359	242.3934	122.5820	1.5292		19.3703	19.3703		19.3703	19.3703		305,846.4875	305,846.4875	5.8621	5.6072	307,707.8182
Mobile	1,709.1763	2,427.8643	30,793.4095	43.7400	3,470.5171	29.2084	3,499.7254	920.3873	26.6059	946.9931		3,877,158.9984	3,877,158.9984	223.4006		3,881,850.4102
Total	42,434.1144	3,209.1877	79,696.2894	63.5981	3,470.5171	6,612.4980	10,083.0150	920.3873	6,609.7034	7,530.0906	687,044.8466	4,474,918.4835	5,161,963.3301	867.5126	59.6485	5,198,672.1140

## 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	40,696.9021	538.9300	48,780.2980	18.3289		6,563.9193	6,563.9193		6,563.7272	6,563.7272	687,044.8466	291,912.9976	978,957.8442	638.2500	54.0413	1,009,113.8856
Energy	28.0359	242.3934	122.5820	1.5292		19.3703	19.3703		19.3703	19.3703		305,846.4875	305,846.4875	5.8621	5.6072	307,707.8182
Mobile	1,709.1763	2,427.8643	30,793.4095	43.7400	3,470.5171	29.2084	3,499.7254	920.3873	26.6059	946.9931		3,877,158.9984	3,877,158.9984	223.4006		3,881,850.4102
<b>Total</b>	<b>42,434.1144</b>	<b>3,209.1877</b>	<b>79,696.2894</b>	<b>63.5981</b>	<b>3,470.5171</b>	<b>6,612.4980</b>	<b>10,083.0150</b>	<b>920.3873</b>	<b>6,609.7034</b>	<b>7,530.0906</b>	<b>687,044.8466</b>	<b>4,474,918.4835</b>	<b>5,161,963.3301</b>	<b>867.5126</b>	<b>59.6485</b>	<b>5,198,672.1140</b>

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

## 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	1,709.1763	2,427.8643	30,793.4095	43.7400	3,470.5171	29.2084	3,499.7254	920.3873	26.6059	946.9931		3,877,158.9984	3,877,158.9984	223.4006		3,881,850.4102
Unmitigated	1,709.1763	2,427.8643	30,793.4095	43.7400	3,470.5171	29.2084	3,499.7254	920.3873	26.6059	946.9931		3,877,158.9984	3,877,158.9984	223.4006		3,881,850.4102



## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	8,351.28	8,351.28	8,351.28	55,203,965	55,203,965
City Park	309.87	309.87	309.87	2,048,326	2,048,326
Day-Care Center	277.80	277.80	277.80	1,836,325	1,836,325
Elementary School	3,106.90	3,106.90	3,106.90	20,537,365	20,537,365
General Light Industry	8,001.21	8,001.21	8,001.21	52,889,899	52,889,899
General Office Building	9,236.35	9,236.35	9,236.35	61,054,484	61,054,484
Golf Course	122.75	122.75	122.75	811,391	811,391
Government Office Building	11,032.96	11,032.96	11,032.96	72,930,487	72,930,487
High School	784.20	784.20	784.20	5,183,750	5,183,750
Junior High School	1,002.90	1,002.90	1,002.90	6,629,410	6,629,410
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	209,122.92	209,122.92	209,122.92	1,382,352,691	1,382,352,691
Total	251,349.13	251,349.13	251,349.13	1,661,478,091	1,661,478,091

## 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	18.16	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Day-Care Center	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Elementary School	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
General Light Industry	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Golf Course	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Government Office Building	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
High School	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Junior High School	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	18.16	0.00	0.00	100.00	0.00	0.00	100	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.654590	0.095079	0.228243	0.004087	0.005066	0.000799	0.000387	0.000949	0.000094	0.000086	0.010133	0.000059	0.000429

5.0 Energy Detail

4.4 Fleet Mix

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	28.0359	242.3934	122.5820	1.5292		19.3703	19.3703		19.3703	19.3703		305,846.4875	305,846.4875	5.8621	5.6072	307,707.8182
NaturalGas Unmitigated	28.0359	242.3934	122.5820	1.5292		19.3703	19.3703		19.3703	19.3703		305,846.4875	305,846.4875	5.8621	5.6072	307,707.8182

## 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					
Day-Care Center	3297.68	0.0356	0.3233	0.2716	1.9400e-003		0.0246	0.0246		0.0246	0.0246		387.9623	387.9623	7.4400e-003	7.1100e-003	390.3233
Elementary School	37179.2	0.4010	3.6450	3.0618	0.0219		0.2770	0.2770		0.2770	0.2770		4,374.0235	4,374.0235	0.0838	0.0802	4,400.6431
General Light Industry	160755	1.7336	15.7603	13.2386	0.0946		1.1978	1.1978		1.1978	1.1978		18,912.3218	18,912.3218	0.3625	0.3467	19,027.4190
General Office Building	116591	1.2574	11.4305	9.6016	0.0686		0.8687	0.8687		0.8687	0.8687		13,716.5585	13,716.5585	0.2629	0.2515	13,800.0352
Golf Course	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
Government Office Building	139269	1.5019	13.6539	11.4693	0.0819		1.0377	1.0377		1.0377	1.0377		16,384.6448	16,384.6448	0.3140	0.3004	16,484.3590
High School	9311.97	0.1004	0.9129	0.7669	5.4800e-003		0.0694	0.0694		0.0694	0.0694		1,095.5257	1,095.5257	0.0210	0.0201	1,102.1929
Junior High School	11911	0.1285	1.1677	0.9809	7.0100e-003		0.0888	0.0888		0.0888	0.0888		1,401.2904	1,401.2904	0.0269	0.0257	1,409.8185
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.0528e+006	22.1381	189.1801	80.5022	1.2075		15.2954	15.2954		15.2954	15.2954		241,506.4638	241,506.4638	4.6289	4.4276	242,976.2319
Apartments Low Rise	68575.4	0.7395	6.3197	2.6892	0.0403		0.5110	0.5110		0.5110	0.5110		8,067.6967	8,067.6967	0.1546	0.1479	8,116.7953
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
<b>Total</b>		<b>28.0359</b>	<b>242.3934</b>	<b>122.5820</b>	<b>1.5292</b>		<b>19.3703</b>	<b>19.3703</b>		<b>19.3703</b>	<b>19.3703</b>		<b>305,846.4875</b>	<b>305,846.4875</b>	<b>5.8621</b>	<b>5.6072</b>	<b>307,707.8182</b>

## Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Day-Care Center	3.29768	0.0356	0.3233	0.2716	1.9400e-003		0.0246	0.0246		0.0246	0.0246		387.9623	387.9623	7.4400e-003	7.1100e-003	390.3233
Elementary School	37.1792	0.4010	3.6450	3.0618	0.0219		0.2770	0.2770		0.2770	0.2770		4,374.0235	4,374.0235	0.0838	0.0802	4,400.6431
General Light Industry	160.755	1.7336	15.7603	13.2386	0.0946		1.1978	1.1978		1.1978	1.1978		18,912.3218	18,912.3218	0.3625	0.3467	19,027.4190
General Office Building	116.591	1.2574	11.4305	9.6016	0.0686		0.8687	0.8687		0.8687	0.8687		13,716.5585	13,716.5585	0.2629	0.2515	13,800.0352
Golf Course	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
Government Office Building	139.269	1.5019	13.6539	11.4693	0.0819		1.0377	1.0377		1.0377	1.0377		16,384.6448	16,384.6448	0.3140	0.3004	16,484.3590
High School	9.31197	0.1004	0.9129	0.7669	5.4800e-003		0.0694	0.0694		0.0694	0.0694		1,095.5257	1,095.5257	0.0210	0.0201	1,102.1929
Junior High School	11.911	0.1285	1.1677	0.9809	7.0100e-003		0.0888	0.0888		0.0888	0.0888		1,401.2904	1,401.2904	0.0269	0.0257	1,409.8185
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2052.8	22.1381	189.1801	80.5022	1.2075		15.2954	15.2954		15.2954	15.2954		241,506.4638	241,506.4638	4.6289	4.4276	242,976.2319
Apartments Low Rise	68.5754	0.7395	6.3197	2.6892	0.0403		0.5110	0.5110		0.5110	0.5110		8,067.6967	8,067.6967	0.1546	0.1479	8,116.7953
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
<b>Total</b>		<b>28.0359</b>	<b>242.3934</b>	<b>122.5820</b>	<b>1.5292</b>		<b>19.3703</b>	<b>19.3703</b>		<b>19.3703</b>	<b>19.3703</b>		<b>305,846.4875</b>	<b>305,846.4875</b>	<b>5.8621</b>	<b>5.6072</b>	<b>307,707.8182</b>

## 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	40,696.9021	538.9300	48,780.2980	18.3289		6,563.9193	6,563.9193		6,563.7272	6,563.7272	687,044.8466	291,912.9976	978,957.8442	638.2500	54.0413	1,009,113.8856
Unmitigated	40,696.9021	538.9300	48,780.2980	18.3289		6,563.9193	6,563.9193		6,563.7272	6,563.7272	687,044.8466	291,912.9976	978,957.8442	638.2500	54.0413	1,009,113.8856

### 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	770.3961					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,992.8850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	37,860.4410	513.6649	46,639.9972	18.2176		6,552.6368	6,552.6368		6,552.4447	6,552.4447	687,044.8466	288,136.5882	975,181.4348	634.0284	54.0413	1,005,248.8223
Landscaping	73.1799	25.2651	2,140.3007	0.1113		11.2826	11.2826		11.2826	11.2826		3,776.4094	3,776.4094	4.2216		3,865.0633
Total	40,696.9021	538.9300	48,780.2980	18.3289		6,563.9193	6,563.9193		6,563.7272	6,563.7272	687,044.8466	291,912.9976	978,957.8442	638.2500	54.0413	1,009,113.8856

**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	770.3961					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,992.8850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	37,860.4410	513.6649	46,639.9972	18.2176		6,552.6368	6,552.6368		6,552.4447	6,552.4447	687,044.8466	288,136.5882	975,181.4348	634.0284	54.0413	1,005,248.8223
Landscaping	73.1799	25.2651	2,140.3007	0.1113		11.2826	11.2826		11.2826	11.2826		3,776.4094	3,776.4094	4.2216		3,865.0633
Total	40,696.9021	538.9300	48,780.2980	18.3289		6,563.9193	6,563.9193		6,563.7272	6,563.7272	687,044.8466	291,912.9976	978,957.8442	638.2500	54.0413	1,009,113.8856

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**Existing**  
**Los Angeles-Mojave Desert County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	3,420.87	1000sqft	2,070.00	3,420,870.00	0
Government Office Building	4,086.28	1000sqft	570,046.00	4,086,283.00	0
Day-Care Center	926.00	Student	4.00	102,091.00	0
Elementary School	10,436.00	Student	265.00	1,151,010.00	0
High School	2,614.00	Student	108.00	288,284.00	0
Junior High School	3,343.00	Student	70.00	368,745.00	0
General Light Industry	2,963.41	1000sqft	24,786.00	2,963,408.00	0
Other Non-Asphalt Surfaces	419,510.00	Acre	419,510.00	0.00	0
Parking Lot	17.90	Acre	17.90	0.00	0
City Park	15,493.58	Acre	15,493.58	99,405.00	0
Golf Course	395.96	Acre	399.00	45,784.00	0
Apartments Low Rise	1,657.00	Dwelling Unit	5,555.00	3,096,379.00	4623
Single Family Housing	23,082.00	Dwelling Unit	98,284.00	77,503,209.00	88867

### 1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2014
Utility Company	Southern California Edison				

CO2 Intensity  
(lb/MW hr) 630.89

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 information provided by the County. For modeling purposes, private/charter schools and elementary school land use information combined as one.

Construction Phase - No construction component for modeling.

Off-road Equipment - No construction component.

Off-road Equipment -

Vehicle Trips - Trip generation rate and average trip distance based on information provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Energy Use -

Water And Wastewater - See Sections 5.17.1 and 5.17.2 of the Draft EIR. Otherwise noted, modeling assumes 60% of existing land uses use septic systems.

Solid Waste - See Section 5.17.4 of the Draft EIR.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	18788819	18788816
tblConstructionPhase	NumDays	10,000.00	10.00
tblLandUse	LandUseSquareFeet	4,086,280.00	4,086,283.00
tblLandUse	LandUseSquareFeet	52,340.15	102,091.00
tblLandUse	LandUseSquareFeet	872,484.77	1,151,010.00
tblLandUse	LandUseSquareFeet	346,775.80	288,284.00
tblLandUse	LandUseSquareFeet	393,008.71	368,745.00
tblLandUse	LandUseSquareFeet	2,963,410.00	2,963,408.00
tblLandUse	LandUseSquareFeet	18,273,855,600.00	0.00
tblLandUse	LandUseSquareFeet	779,724.00	0.00



tblLandUse	LandUseSquareFeet	674,901,216.00	99,405.00
tblLandUse	LandUseSquareFeet	17,248,017.60	45,784.00
tblLandUse	LandUseSquareFeet	1,657,000.00	3,096,379.00
tblLandUse	LandUseSquareFeet	41,547,600.00	77,503,209.00
tblLandUse	LotAcreage	78.53	2,070.00
tblLandUse	LotAcreage	93.81	570,046.00
tblLandUse	LotAcreage	1.20	4.00
tblLandUse	LotAcreage	20.03	265.00
tblLandUse	LotAcreage	7.96	108.00
tblLandUse	LotAcreage	9.02	70.00
tblLandUse	LotAcreage	68.03	24,786.00
tblLandUse	LotAcreage	15,493.60	15,493.58
tblLandUse	LotAcreage	395.96	399.00
tblLandUse	LotAcreage	103.56	5,555.00
tblLandUse	LotAcreage	7,494.16	98,284.00
tblLandUse	Population	4,739.00	4,623.00
tblLandUse	Population	66,015.00	88,867.00
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblSolidWaste	SolidWasteGenerationRate	762.22	1,110.15
tblSolidWaste	SolidWasteGenerationRate	1,332.45	1,940.68
tblSolidWaste	SolidWasteGenerationRate	169.00	246.14
tblSolidWaste	SolidWasteGenerationRate	1,904.57	2,773.96
tblSolidWaste	SolidWasteGenerationRate	3,674.63	5,352.01
tblSolidWaste	SolidWasteGenerationRate	3,181.41	4,633.65
tblSolidWaste	SolidWasteGenerationRate	368.24	536.33
tblSolidWaste	SolidWasteGenerationRate	3,800.24	5,534.96
tblSolidWaste	SolidWasteGenerationRate	477.06	694.83

tblSolidWaste	SolidWasteGenerationRate	610.10	888.60
tblSolidWaste	SolidWasteGenerationRate	36,435.47	53,067.36
tblVehicleEF	HHD	0.01	9.4900e-004
tblVehicleEF	HHD	0.01	9.4900e-004
tblVehicleEF	HHD	0.01	9.4900e-004
tblVehicleEF	LDA	0.49	0.65
tblVehicleEF	LDA	0.49	0.65
tblVehicleEF	LDA	0.49	0.65
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT2	0.17	0.23
tblVehicleEF	LDT2	0.17	0.23
tblVehicleEF	LDT2	0.17	0.23
tblVehicleEF	LHD1	0.06	5.0660e-003
tblVehicleEF	LHD1	0.06	5.0660e-003
tblVehicleEF	LHD1	0.06	5.0660e-003
tblVehicleEF	LHD2	9.7240e-003	7.9900e-004
tblVehicleEF	LHD2	9.7240e-003	7.9900e-004
tblVehicleEF	LHD2	9.7240e-003	7.9900e-004
tblVehicleEF	MCY	7.5990e-003	0.01
tblVehicleEF	MCY	7.5990e-003	0.01
tblVehicleEF	MCY	7.5990e-003	0.01
tblVehicleEF	MDV	0.16	4.0870e-003
tblVehicleEF	MDV	0.16	4.0870e-003
tblVehicleEF	MDV	0.16	4.0870e-003
tblVehicleEF	MH	5.2250e-003	4.2900e-004

tblVehicleEF	MH	5.2250e-003	4.2900e-004
tblVehicleEF	MH	5.2250e-003	4.2900e-004
tblVehicleEF	MHD	4.7150e-003	3.8700e-004
tblVehicleEF	MHD	4.7150e-003	3.8700e-004
tblVehicleEF	MHD	4.7150e-003	3.8700e-004
tblVehicleEF	OBUS	1.1400e-003	9.4000e-005
tblVehicleEF	OBUS	1.1400e-003	9.4000e-005
tblVehicleEF	OBUS	1.1400e-003	9.4000e-005
tblVehicleEF	SBUS	7.1400e-004	5.9000e-005
tblVehicleEF	SBUS	7.1400e-004	5.9000e-005
tblVehicleEF	SBUS	7.1400e-004	5.9000e-005
tblVehicleEF	UBUS	1.0470e-003	8.6000e-005
tblVehicleEF	UBUS	1.0470e-003	8.6000e-005
tblVehicleEF	UBUS	1.0470e-003	8.6000e-005
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tblVehicleTrips	CC_TL	7.30	18.16
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tblVehicleTrips	CC_TL	7.30	18.16
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	82.30	100.00
tblVehicleTrips	CC_TTP	30.00	100.00
tblVehicleTrips	CC_TTP	28.00	100.00

tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	62.00	100.00
tblVehicleTrips	CC_TTP	17.20	100.00
tblVehicleTrips	CC_TTP	22.20	100.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
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tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
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tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00

tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	12.70	0.00
tblVehicleTrips	CW_TTP	65.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
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tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	77.80	0.00
tblVehicleTrips	CW_TTP	72.80	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	58.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	DV_TP	34.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TL	7.50	0.00

tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	10.80	18.16
tblVehicleTrips	HW_TL	10.80	18.16
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	14.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00
tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	28.00	100.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00

tblVehicleTrips	PR_TP	52.00	100.00
tblVehicleTrips	PR_TP	50.00	100.00
tblVehicleTrips	PR_TP	75.00	100.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	7.16	5.04
tblVehicleTrips	ST_TR	1.59	0.02
tblVehicleTrips	ST_TR	0.39	0.30
tblVehicleTrips	ST_TR	0.00	0.30
tblVehicleTrips	ST_TR	1.32	2.70
tblVehicleTrips	ST_TR	2.37	2.70
tblVehicleTrips	ST_TR	5.82	0.31
tblVehicleTrips	ST_TR	0.00	2.70
tblVehicleTrips	ST_TR	0.61	0.30
tblVehicleTrips	ST_TR	0.00	0.30
tblVehicleTrips	ST_TR	10.08	9.06
tblVehicleTrips	SU_TR	6.07	5.04
tblVehicleTrips	SU_TR	1.59	0.02
tblVehicleTrips	SU_TR	0.37	0.30
tblVehicleTrips	SU_TR	0.00	0.30
tblVehicleTrips	SU_TR	0.68	2.70
tblVehicleTrips	SU_TR	0.98	2.70
tblVehicleTrips	SU_TR	5.88	0.31
tblVehicleTrips	SU_TR	0.00	2.70
tblVehicleTrips	SU_TR	0.25	0.30
tblVehicleTrips	SU_TR	0.00	0.30
tblVehicleTrips	SU_TR	8.77	9.06

tblVehicleTrips	WD_TR	6.59	5.04
tblVehicleTrips	WD_TR	1.59	0.02
tblVehicleTrips	WD_TR	4.48	0.30
tblVehicleTrips	WD_TR	1.29	0.30
tblVehicleTrips	WD_TR	6.97	2.70
tblVehicleTrips	WD_TR	11.01	2.70
tblVehicleTrips	WD_TR	5.04	0.31
tblVehicleTrips	WD_TR	68.93	2.70
tblVehicleTrips	WD_TR	1.71	0.30
tblVehicleTrips	WD_TR	1.62	0.30
tblVehicleTrips	WD_TR	9.57	9.06
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
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	AnaerobicandFacultativeLagoonsPerce	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce	2.21	0.00
tblWater	IndoorWaterUseRate	107,960,220.45	203,790.00
tblWater	IndoorWaterUseRate	2,244,846.24	4,237.00
tblWater	IndoorWaterUseRate	25,299,368.64	47,756.00
tblWater	IndoorWaterUseRate	685,288,562.50	1,293,580.00
tblWater	IndoorWaterUseRate	608,004,046.50	1,147,695.00
tblWater	IndoorWaterUseRate	811,779,101.15	1,532,349.00
tblWater	IndoorWaterUseRate	11,514,565.44	21,735.00
tblWater	IndoorWaterUseRate	8,104,234.32	15,298.00
tblWater	IndoorWaterUseRate	1,503,885,219.39	2,838,799.00
tblWater	OutdoorWaterUseRate	68,061,878.11	27,349.00
tblWater	OutdoorWaterUseRate	18,460,335,439.10	7,417,813.00
tblWater	OutdoorWaterUseRate	5,772,461.76	2,320.00
tblWater	OutdoorWaterUseRate	65,055,519.36	26,141.00
tblWater	OutdoorWaterUseRate	372,647,641.40	149,739.00
tblWater	OutdoorWaterUseRate	471,778,955.21	189,572.00
tblWater	OutdoorWaterUseRate	497,542,029.74	199,925.00
tblWater	OutdoorWaterUseRate	29,608,882.56	11,898.00
tblWater	OutdoorWaterUseRate	20,839,459.68	8,374.00
tblWater	OutdoorWaterUseRate	948,101,551.36	380,970.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	0.00

tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00

## 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	2,063.1631	23.3341	2,104.8670	0.7569		269.6735	269.6735		269.6657	269.6657	25,554.3406	11,025.4488	36,579.7895	23.9271	2.0100	37,705.3714
Energy	5.1166	44.2368	22.3712	0.2791		3.5351	3.5351		3.5351	3.5351	0.0000	148,988.5592	148,988.5592	5.4915	1.8637	149,681.6268
Mobile	282.4199	495.3369	4,908.8372	7.2228	619.2215	5.3103	624.5318	164.4638	4.8372	169.3009	0.0000	581,561.5691	581,561.5691	36.8414	0.0000	582,335.2386
Waste						0.0000	0.0000		0.0000	0.0000	15,585.3762	0.0000	15,585.3762	921.0693	0.0000	34,927.8324
Water						0.0000	0.0000		0.0000	0.0000	1.2801	53.2265	54.5066	0.7988	5.9700e-003	73.1338
Total	2,350.6995	562.9078	7,036.0754	8.2588	619.2215	278.5189	897.7404	164.4638	278.0379	442.5016	41,140.9969	741,628.8036	782,769.8005	988.1281	3.8797	804,723.2029

## 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	2,063.1631	23.3341	2,104.8670	0.7569		269.6735	269.6735		269.6657	269.6657	25,554.3406	11,025.4488	36,579.7895	23.9271	2.0100	37,705.3714
Energy	5.1166	44.2368	22.3712	0.2791		3.5351	3.5351		3.5351	3.5351	0.0000	148,988.5592	148,988.5592	5.4915	1.8637	149,681.6268
Mobile	282.4199	495.3369	4,908.8372	7.2228	619.2215	5.3103	624.5318	164.4638	4.8372	169.3009	0.0000	581,561.5691	581,561.5691	36.8414	0.0000	582,335.2386
Waste						0.0000	0.0000		0.0000	0.0000	15,585.3762	0.0000	15,585.3762	921.0693	0.0000	34,927.8324
Water						0.0000	0.0000		0.0000	0.0000	1.2801	53.2265	54.5066	0.7988	5.9700e-003	73.1317
<b>Total</b>	<b>2,350.6995</b>	<b>562.9078</b>	<b>7,036.0754</b>	<b>8.2588</b>	<b>619.2215</b>	<b>278.5189</b>	<b>897.7404</b>	<b>164.4638</b>	<b>278.0379</b>	<b>442.5016</b>	<b>41,140.9969</b>	<b>741,628.8036</b>	<b>782,769.8005</b>	<b>988.1281</b>	<b>3.8797</b>	<b>804,723.2009</b>

	ROG	NOx	CO	SO2	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	282.4199	495.3369	4,908.8372	7.2228	619.2215	5.3103	624.5318	164.4638	4.8372	169.3009	0.0000	581,561.5691	581,561.5691	36.8414	0.0000	582,335.2386
Unmitigated	282.4199	495.3369	4,908.8372	7.2228	619.2215	5.3103	624.5318	164.4638	4.8372	169.3009	0.0000	581,561.5691	581,561.5691	36.8414	0.0000	582,335.2386

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	8,351.28	8,351.28	8351.28	55,203,965	55,203,965
City Park	309.87	309.87	309.87	2,048,326	2,048,326
Day-Care Center	277.80	277.80	277.80	1,836,325	1,836,325
Elementary School	3,106.90	3,106.90	3106.90	20,537,365	20,537,365
General Light Industry	8,001.21	8,001.21	8001.21	52,889,899	52,889,899
General Office Building	9,236.35	9,236.35	9236.35	61,054,484	61,054,484
Golf Course	122.75	122.75	122.75	811,391	811,391
Government Office Building	11,032.96	11,032.96	11032.96	72,930,487	72,930,487
High School	784.20	784.20	784.20	5,183,750	5,183,750
Junior High School	1,002.90	1,002.90	1002.90	6,629,410	6,629,410
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	209,122.92	209,122.92	209122.92	1,382,352,691	1,382,352,691
Total	251,349.13	251,349.13	251,349.13	1,661,478,091	1,661,478,091

## 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	18.16	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Day-Care Center	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Elementary School	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
General Light Industry	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Golf Course	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Government Office Building	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
High School	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Junior High School	0.00	18.16	0.00	0.00	100.00	0.00	100	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	18.16	0.00	0.00	100.00	0.00	0.00	100	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.654590	0.095079	0.228243	0.004087	0.005066	0.000799	0.000387	0.000949	0.000094	0.000086	0.010133	0.000059	0.000429

#### 4.4 Fleet Mix

Historical Energy Use: Y

	ROG	NOx	CO	SO2	Fugitive 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	98,352.2431	98,352.2431	4.5209	0.9354	98,737.1465
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	98,352.2431	98,352.2431	4.5209	0.9354	98,737.1465
NaturalGas Mitigated	5.1166	44.2368	22.3712	0.2791		3.5351	3.5351		3.5351	3.5351	0.0000	50,636.3161	50,636.3161	0.9705	0.9283	50,944.4803
NaturalGas Unmitigated	5.1166	44.2368	22.3712	0.2791		3.5351	3.5351		3.5351	3.5351	0.0000	50,636.3161	50,636.3161	0.9705	0.9283	50,944.4803

### Unmitigated

[illegible]

Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	2.503e+007	0.1350	1.1533	0.4908	7.3600e-003		0.0933	0.0933		0.0933	0.0933	0.0000	1,335.6977	1,335.6977	0.0256	0.0245	1,343.8265
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
Single Family Housing	7.49274e+008	4.0402	34.5254	14.6916	0.2204		2.7914	2.7914		2.7914	2.7914	0.0000	39,984.1036	39,984.1036	0.7664	0.7330	40,227.4402
<b>Total</b>		<b>5.1166</b>	<b>44.2368</b>	<b>22.3712</b>	<b>0.2791</b>		<b>3.5351</b>	<b>3.5351</b>		<b>3.5351</b>	<b>3.5351</b>	<b>0.0000</b>	<b>50,636.3161</b>	<b>50,636.3161</b>	<b>0.9705</b>	<b>0.9283</b>	<b>50,944.4803</b>

### 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					
Day-Care Center	1.20365e+006	6.4900e-003	0.0590	0.0496	3.5000e-004		4.4800e-003	4.4800e-003		4.4800e-003	4.4800e-003	0.0000	64.2315	64.2315	1.2300e-003	1.1800e-003	64.6224
Elementary School	1.35704e+007	0.0732	0.6652	0.5588	3.9900e-003		0.0506	0.0506		0.0506	0.0506	0.0000	724.1686	724.1686	0.0139	0.0133	728.5758
General Light Industry	5.86755e+007	0.3164	2.8763	2.4161	0.0173		0.2186	0.2186		0.2186	0.2186	0.0000	3,131.1470	3,131.1470	0.0600	0.0574	3,150.2026
General Office Building	4.25556e+007	0.2295	2.0861	1.7523	0.0125		0.1585	0.1585		0.1585	0.1585	0.0000	2,270.9301	2,270.9301	0.0435	0.0416	2,284.7506
Golf Course	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
Government Office Building	5.08334e+007	0.2741	2.4918	2.0931	0.0150		0.1894	0.1894		0.1894	0.1894	0.0000	2,712.6617	2,712.6617	0.0520	0.0497	2,729.1705
High School	3.39887e+006	0.0183	0.1666	0.1400	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.3766	181.3766	3.4800e-003	3.3300e-003	182.4804
Junior High School	4.3475e+006	0.0234	0.2131	0.1790	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	231.9994	231.9994	4.4500e-003	4.2500e-003	233.4113
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	7.49274e+008	4.0402	34.5254	14.6916	0.2204		2.7914	2.7914		2.7914	2.7914	0.0000	39,984.1036	39,984.1036	0.7664	0.7330	40,227.4402
Apartments Low Rise	2.503e+007	0.1350	1.1533	0.4908	7.3600e-003		0.0933	0.0933		0.0933	0.0933	0.0000	1,335.6977	1,335.6977	0.0256	0.0245	1,343.8265
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
<b>Total</b>		<b>5.1166</b>	<b>44.2368</b>	<b>22.3712</b>	<b>0.2791</b>		<b>3.5351</b>	<b>3.5351</b>		<b>3.5351</b>	<b>3.5351</b>	<b>0.0000</b>	<b>50,636.3161</b>	<b>50,636.3161</b>	<b>0.9705</b>	<b>0.9283</b>	<b>50,944.4803</b>

## 5.3 Energy by Land Use - Electricity

### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	6.17662e+006	1,767.5432	0.0813	0.0168	1,774.4605
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	722804	206.8427	9.5100e-003	1.9700e-003	207.6521
Elementary School	8.14915e+006	2,332.0171	0.1072	0.0222	2,341.1435
General Light Industry	3.71611e+007	10,634.2868	0.4888	0.1011	10,675.9043
General Office Building	5.21341e+007	14,919.0415	0.6858	0.1419	14,977.4274
Golf Course	0	0.0000	0.0000	0.0000	0.0000
Government Office Building	6.2275e+007	17,821.0296	0.8192	0.1695	17,890.7726
High School	2.04105e+006	584.0811	0.0269	5.5500e-003	586.3670
Junior High School	2.61071e+006	747.1001	0.0343	7.1100e-003	750.0239
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.72418e+008	49,340.3010	2.2680	0.4692	49,533.3952
<b>Total</b>		<b>98,352.2431</b>	<b>4.5210</b>	<b>0.9354</b>	<b>98,737.1465</b>

## Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	6.17662e+ 006	1,767.5432	0.0813	0.0168	1,774.460 5
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	722804	206.8427	9.5100e- 003	1.9700e- 003	207.6521
Elementary School	8.14915e+ 006	2,332.0171	0.1072	0.0222	2,341.143 5
General Light Industry	3.71611e+ 007	10,634.286 8	0.4888	0.1011	10,675.90 43
General Office Building	5.21341e+ 007	14,919.041 5	0.6858	0.1419	14,977.42 74
Golf Course	0	0.0000	0.0000	0.0000	0.0000
Government Office Building	6.2275e+0 07	17,821.029 6	0.8192	0.1695	17,890.77 26
High School	2.04105e+ 006	584.0811	0.0269	5.5500e- 003	586.3670
Junior High School	2.61071e+ 006	747.1001	0.0343	7.1100e- 003	750.0239
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.72418e+ 008	49,340.301 0	2.2680	0.4692	49,533.39 52
<b>Total</b>		<b>98,352.243 1</b>	<b>4.5210</b>	<b>0.9354</b>	<b>98,737.14 65</b>



## 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	2,063.1631	23.3341	2,104.8670	0.7569		269.6735	269.6735		269.6657	269.6657	25,554.3406	11,025.4488	36,579.7895	23.9271	2.0100	37,705.3714
Unmitigated	2,063.1631	23.3341	2,104.8670	0.7569		269.6735	269.6735		269.6657	269.6657	25,554.3406	11,025.4488	36,579.7895	23.9271	2.0100	37,705.3714

### 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	140.5973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	363.7015					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1,552.2781	21.0603	1,912.2399	0.7469		268.6581	268.6581		268.6502	268.6502	25,554.3406	10,717.1178	36,271.4584	23.5824	2.0100	37,389.8021
Landscaping	6.5862	2.2739	192.6271	0.0100		1.0154	1.0154		1.0154	1.0154	0.0000	308.3311	308.3311	0.3447	0.0000	315.5694
Total	2,063.1631	23.3341	2,104.8670	0.7569		269.6735	269.6735		269.6657	269.6657	25,554.3406	11,025.4488	36,579.7895	23.9271	2.0100	37,705.3714

## 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	140.5973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	363.7015					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1,552.2781	21.0603	1,912.2399	0.7469		268.6581	268.6581		268.6502	268.6502	25,554.3406	10,717.1178	36,271.4584	23.5824	2.0100	37,389.8021
Landscaping	6.5862	2.2739	192.6271	0.0100		1.0154	1.0154		1.0154	1.0154	0.0000	308.3311	308.3311	0.3447	0.0000	315.5694
<b>Total</b>	<b>2,063.1631</b>	<b>23.3341</b>	<b>2,104.8670</b>	<b>0.7569</b>		<b>269.6735</b>	<b>269.6735</b>		<b>269.6657</b>	<b>269.6657</b>	<b>25,554.3406</b>	<b>11,025.4488</b>	<b>36,579.7895</b>	<b>23.9271</b>	<b>2.0100</b>	<b>37,705.3714</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	54.5066	0.7988	5.9700e-003	73.1317
Unmitigated	54.5066	0.7988	5.9700e-003	73.1338

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0.20379 / 0.027349	0.8752	0.0279	1.6000e-004	1.5124
City Park	0 / 7.41781	23.5836	1.0800e-003	2.2000e-004	23.6759
Day-Care Center	0.004237 / 0.00232	0.0238	5.8000e-004	0.0000	0.0370
Elementary School	0.047756 / 0.026141	0.2678	6.5400e-003	4.0000e-005	0.4174
General Light Industry	1.29358 / 0	5.2778	1.8000e-003	1.0400e-003	5.6383
General Office Building	1.14769 / 0.149739	4.9150	0.1572	9.3000e-004	8.5035
Golf Course	0 / 0.189572	0.6027	3.0000e-005	1.0000e-005	0.6051
Government Office Building	1.53235 / 0.199925	6.5623	0.2099	1.2400e-003	11.3535
High School	0.021735 / 0.011898	0.1219	2.9800e-003	2.0000e-005	0.1900
Junior High School	0.015298 / 0.008374	0.0858	2.1000e-003	1.0000e-005	0.1337
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.8388 / 0.38097	12.1909	0.3888	2.3000e-003	21.0671
<b>Total</b>		<b>54.5066</b>	<b>0.7988</b>	<b>5.9700e-003</b>	<b>73.1337</b>

## Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0.20379 / 0.027349	0.8752	0.0279	1.6000e-004	1.5123
City Park	0 / 7.41781	23.5836	1.0800e-003	2.2000e-004	23.6759
Day-Care Center	0.004237 / 0.00232	0.0238	5.8000e-004	0.0000	0.0370
Elementary School	0.047756 / 0.026141	0.2678	6.5400e-003	4.0000e-005	0.4174
General Light Industry	1.29358 / 0	5.2778	1.7900e-003	1.0400e-003	5.6375
General Office Building	1.14769 / 0.149739	4.9150	0.1572	9.3000e-004	8.5033
Golf Course	0 / 0.189572	0.6027	3.0000e-005	1.0000e-005	0.6051
Government Office Building	1.53235 / 0.199925	6.5623	0.2099	1.2400e-003	11.3532
High School	0.021735 / 0.011898	0.1219	2.9800e-003	2.0000e-005	0.1900
Junior High School	0.015298 / 0.008374	0.0858	2.1000e-003	1.0000e-005	0.1337
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.8388 / 0.38097	12.1909	0.3888	2.2900e-003	21.0665
<b>Total</b>		<b>54.5066</b>	<b>0.7988</b>	<b>5.9600e-003</b>	<b>73.1317</b>

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

#### Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Unmitigated	15,585.376 2	921.0693	0.0000	34,927.83 24
Mitigated	15,585.376 2	921.0693	0.0000	34,927.83 24

### 8.2 Waste by Land Use

#### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1110.15	225.3504	13.3178	0.0000	505.0248
City Park	1940.68	393.9405	23.2812	0.0000	882.8461
Day-Care Center	246.14	49.9642	2.9528	0.0000	111.9730
Elementary School	2773.96	563.0888	33.2776	0.0000	1,261.918 3
General Light Industry	5352.01	1,086.4097	64.2050	0.0000	2,434.714 1
General Office Building	4633.65	940.5891	55.5872	0.0000	2,107.920 7
Golf Course	536.33	108.8701	6.4340	0.0000	243.9850
Government Office Building	5534.96	1,123.5469	66.3997	0.0000	2,517.940 9
High School	694.83	141.0442	8.3355	0.0000	316.0892
Junior High School	888.6	180.3778	10.6600	0.0000	404.2382
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	53067.4	10,772.194 5	636.6185	0.0000	24,141.18 21
<b>Total</b>		<b>15,585.376 1</b>	<b>921.0694</b>	<b>0.0000</b>	<b>34,927.83 24</b>

## Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1110.15	225.3504	13.3178	0.0000	505.0248
City Park	1940.68	393.9405	23.2812	0.0000	882.8461
Day-Care Center	246.14	49.9642	2.9528	0.0000	111.9730
Elementary School	2773.96	563.0888	33.2776	0.0000	1,261.918 3
General Light Industry	5352.01	1,086.4097	64.2050	0.0000	2,434.714 1
General Office Building	4633.65	940.5891	55.5872	0.0000	2,107.920 7
Golf Course	536.33	108.8701	6.4340	0.0000	243.9850
Government Office Building	5534.96	1,123.5469	66.3997	0.0000	2,517.940 9
High School	694.83	141.0442	8.3355	0.0000	316.0892
Junior High School	888.6	180.3778	10.6600	0.0000	404.2382
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	53067.4	10,772.194 5	636.6185	0.0000	24,141.18 21
<b>Total</b>		<b>15,585.376 1</b>	<b>921.0694</b>	<b>0.0000</b>	<b>34,927.83 24</b>

## 9.0 Operational Offroad

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

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**Existing****Los Angeles-Mojave Desert 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	0.17	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	0.13	0.37		
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)	250.00
No	Use Low VOC Paint (Residential Exterior)	250.00
No	Use Low VOC Paint (Non-residential Interior)	250.00
No	Use Low VOC Paint (Non-residential Exterior)	250.00
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	

**Buildout\_Existing Uses**  
**Los Angeles-Mojave Desert County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	3,420.87	1000sqft	2,070.00	3,420,870.00	0
Government Office Building	4,086.28	1000sqft	570,046.00	4,086,283.00	0
Day-Care Center	926.00	Student	4.00	102,091.00	0
Elementary School	10,436.00	Student	265.00	1,151,010.00	0
High School	2,614.00	Student	108.00	288,284.00	0
Junior High School	3,343.00	Student	70.00	368,745.00	0
General Light Industry	2,963.41	1000sqft	24,786.00	2,963,408.00	0
Other Non-Asphalt Surfaces	419,510.00	Acre	419,510.00	0.00	0
Parking Lot	17.90	Acre	17.90	0.00	0
City Park	15,493.58	Acre	15,493.58	99,405.00	0
Golf Course	395.96	Acre	399.00	45,784.00	0
Apartments Low Rise	1,657.00	Dwelling Unit	5,555.00	3,096,379.00	4623
Single Family Housing	23,082.00	Dwelling Unit	98,284.00	77,503,209.00	88867

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9	<b>Operational Year</b>	2035		
<b>Utility Company</b>	Southern California Edison				

**CO2 Intensity**  
(lb/MW hr) 630.89

**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 information provided by the County. For modeling purposes, private/charter schools and elementary school land use information combined as one.

Construction Phase - No construction component for modeling.

Off-road Equipment - No construction component.

Off-road Equipment -

Vehicle Trips - Trip generation rate and average trip distance based on information provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Energy Use -

Water And Wastewater - See Sections 5.17.1 and 5.17.2 of the Draft EIR. Otherwise noted, modeling assumes 60% of existing land uses use septic systems.

Solid Waste - See Section 5.17.4 of the Draft EIR.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	18788819	18788816
tblConstructionPhase	NumDays	10,000.00	10.00
tblLandUse	LandUseSquareFeet	4,086,280.00	4,086,283.00
tblLandUse	LandUseSquareFeet	52,340.15	102,091.00
tblLandUse	LandUseSquareFeet	872,484.77	1,151,010.00
tblLandUse	LandUseSquareFeet	346,775.80	288,284.00
tblLandUse	LandUseSquareFeet	393,008.71	368,745.00
tblLandUse	LandUseSquareFeet	2,963,410.00	2,963,408.00
tblLandUse	LandUseSquareFeet	18,273,855,600.00	0.00
tblLandUse	LandUseSquareFeet	779,724.00	0.00

tblLandUse	LandUseSquareFeet	674,901,216.00	99,405.00
tblLandUse	LandUseSquareFeet	17,248,017.60	45,784.00
tblLandUse	LandUseSquareFeet	1,657,000.00	3,096,379.00
tblLandUse	LandUseSquareFeet	41,547,600.00	77,503,209.00
tblLandUse	LotAcreage	78.53	2,070.00
tblLandUse	LotAcreage	93.81	570,046.00
tblLandUse	LotAcreage	1.20	4.00
tblLandUse	LotAcreage	20.03	265.00
tblLandUse	LotAcreage	7.96	108.00
tblLandUse	LotAcreage	9.02	70.00
tblLandUse	LotAcreage	68.03	24,786.00
tblLandUse	LotAcreage	15,493.60	15,493.58
tblLandUse	LotAcreage	395.96	399.00
tblLandUse	LotAcreage	103.56	5,555.00
tblLandUse	LotAcreage	7,494.16	98,284.00
tblLandUse	Population	4,739.00	4,623.00
tblLandUse	Population	66,015.00	88,867.00
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblProjectCharacteristics	OperationalYear	2014	2035
tblSolidWaste	SolidWasteGenerationRate	762.22	1,110.15
tblSolidWaste	SolidWasteGenerationRate	1,332.45	1,940.68
tblSolidWaste	SolidWasteGenerationRate	169.00	246.14
tblSolidWaste	SolidWasteGenerationRate	1,904.57	2,773.96
tblSolidWaste	SolidWasteGenerationRate	3,674.63	5,352.01
tblSolidWaste	SolidWasteGenerationRate	3,181.41	4,633.65
tblSolidWaste	SolidWasteGenerationRate	368.24	536.33
tblSolidWaste	SolidWasteGenerationRate	3,800.24	5,534.96

tblSolidWaste	SolidWasteGenerationRate	477.06	694.83
tblSolidWaste	SolidWasteGenerationRate	610.10	888.60
tblSolidWaste	SolidWasteGenerationRate	36,435.47	53,067.36
tblVehicleEF	HHD	0.01	2.0000e-003
tblVehicleEF	HHD	0.01	2.0000e-003
tblVehicleEF	HHD	0.01	2.0000e-003
tblVehicleEF	LDA	0.45	0.61
tblVehicleEF	LDA	0.45	0.61
tblVehicleEF	LDA	0.45	0.61
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT2	0.18	0.25
tblVehicleEF	LDT2	0.18	0.25
tblVehicleEF	LDT2	0.18	0.25
tblVehicleEF	LHD1	0.08	0.01
tblVehicleEF	LHD1	0.08	0.01
tblVehicleEF	LHD1	0.08	0.01
tblVehicleEF	LHD2	0.01	2.0420e-003
tblVehicleEF	LHD2	0.01	2.0420e-003
tblVehicleEF	LHD2	0.01	2.0420e-003
tblVehicleEF	MCY	8.2250e-003	0.01
tblVehicleEF	MCY	8.2250e-003	0.01
tblVehicleEF	MCY	8.2250e-003	0.01
tblVehicleEF	MDV	0.17	7.4050e-003
tblVehicleEF	MDV	0.17	7.4050e-003
tblVehicleEF	MDV	0.17	7.4050e-003

tblVehicleEF	MH	9.3730e-003	1.5720e-003
tblVehicleEF	MH	9.3730e-003	1.5720e-003
tblVehicleEF	MH	9.3730e-003	1.5720e-003
tblVehicleEF	MHD	5.4020e-003	9.0600e-004
tblVehicleEF	MHD	5.4020e-003	9.0600e-004
tblVehicleEF	MHD	5.4020e-003	9.0600e-004
tblVehicleEF	OBUS	1.1770e-003	1.9700e-004
tblVehicleEF	OBUS	1.1770e-003	1.9700e-004
tblVehicleEF	OBUS	1.1770e-003	1.9700e-004
tblVehicleEF	SBUS	6.1300e-004	1.0300e-004
tblVehicleEF	SBUS	6.1300e-004	1.0300e-004
tblVehicleEF	SBUS	6.1300e-004	1.0300e-004
tblVehicleEF	UBUS	1.2070e-003	2.0200e-004
tblVehicleEF	UBUS	1.2070e-003	2.0200e-004
tblVehicleEF	UBUS	1.2070e-003	2.0200e-004
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	82.30	100.00
tblVehicleTrips	CC_TTP	30.00	100.00



tblVehicleTrips	CC_TTP	28.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	62.00	100.00
tblVehicleTrips	CC_TTP	17.20	100.00
tblVehicleTrips	CC_TTP	22.20	100.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	13.00	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	5.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00

tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	12.70	0.00
tblVehicleTrips	CW_TTP	65.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	77.80	0.00
tblVehicleTrips	CW_TTP	72.80	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	58.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	39.00	0.00
tblVehicleTrips	DV_TP	34.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	7.50	0.00

tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	10.80	22.29
tblVehicleTrips	HW_TL	10.80	22.29
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	14.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	9.00	0.00
tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	28.00	100.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00

tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	52.00	100.00
tblVehicleTrips	PR_TP	50.00	100.00
tblVehicleTrips	PR_TP	75.00	100.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	7.16	5.04
tblVehicleTrips	ST_TR	1.59	0.02
tblVehicleTrips	ST_TR	0.39	0.30
tblVehicleTrips	ST_TR	0.00	0.30
tblVehicleTrips	ST_TR	1.32	2.70
tblVehicleTrips	ST_TR	2.37	2.70
tblVehicleTrips	ST_TR	5.82	0.31
tblVehicleTrips	ST_TR	0.00	2.70
tblVehicleTrips	ST_TR	0.61	0.30
tblVehicleTrips	ST_TR	0.00	0.30
tblVehicleTrips	ST_TR	10.08	9.06
tblVehicleTrips	SU_TR	6.07	5.04
tblVehicleTrips	SU_TR	1.59	0.02
tblVehicleTrips	SU_TR	0.37	0.30
tblVehicleTrips	SU_TR	0.00	0.30
tblVehicleTrips	SU_TR	0.68	2.70
tblVehicleTrips	SU_TR	0.98	2.70
tblVehicleTrips	SU_TR	5.88	0.31
tblVehicleTrips	SU_TR	0.00	2.70
tblVehicleTrips	SU_TR	0.25	0.30
tblVehicleTrips	SU_TR	0.00	0.30

tblVehicleTrips	SU_TR	8.77	9.06
tblVehicleTrips	WD_TR	6.59	5.04
tblVehicleTrips	WD_TR	1.59	0.02
tblVehicleTrips	WD_TR	4.48	0.30
tblVehicleTrips	WD_TR	1.29	0.30
tblVehicleTrips	WD_TR	6.97	2.70
tblVehicleTrips	WD_TR	11.01	2.70
tblVehicleTrips	WD_TR	5.04	0.31
tblVehicleTrips	WD_TR	68.93	2.70
tblVehicleTrips	WD_TR	1.71	0.30
tblVehicleTrips	WD_TR	1.62	0.30
tblVehicleTrips	WD_TR	9.57	9.06
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
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	107,960,220.45	203,790.00
tblWater	IndoorWaterUseRate	2,244,846.24	4,237.00
tblWater	IndoorWaterUseRate	25,299,368.64	47,756.00
tblWater	IndoorWaterUseRate	685,288,562.50	1,293,580.00
tblWater	IndoorWaterUseRate	608,004,046.50	1,147,695.00
tblWater	IndoorWaterUseRate	811,779,101.15	1,532,349.00
tblWater	IndoorWaterUseRate	11,514,565.44	21,735.00
tblWater	IndoorWaterUseRate	8,104,234.32	15,298.00
tblWater	IndoorWaterUseRate	1,503,885,219.39	2,838,799.00
tblWater	OutdoorWaterUseRate	68,061,878.11	27,349.00
tblWater	OutdoorWaterUseRate	18,460,335,439.10	7,417,813.00
tblWater	OutdoorWaterUseRate	5,772,461.76	2,320.00
tblWater	OutdoorWaterUseRate	65,055,519.36	26,141.00
tblWater	OutdoorWaterUseRate	372,647,641.40	149,739.00
tblWater	OutdoorWaterUseRate	471,778,955.21	189,572.00
tblWater	OutdoorWaterUseRate	497,542,029.74	199,925.00
tblWater	OutdoorWaterUseRate	29,608,882.56	11,898.00
tblWater	OutdoorWaterUseRate	20,839,459.68	8,374.00
tblWater	OutdoorWaterUseRate	948,101,551.36	380,970.00
tblWater	SepticTankPercent	10.33	60.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00

## 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	40,688.8338	537.5519	48,720.8461	18.3289		6,564.1219	6,564.1219		6,563.9298	6,563.9298	687,044.8466	291,912.9976	978,957.8442	637.7880	54.0413	1,009,104.1830
Energy	28.0359	242.3934	122.5820	1.5292		19.3703	19.3703		19.3703	19.3703		305,846.4875	305,846.4875	5.8621	5.6072	307,707.8182
Mobile	776.1835	1,284.9955	12,798.0196	49.9979	4,264.6218	35.6680	4,300.2898	1,131.6074	33.0543	1,164.6617		3,176,049.4352	3,176,049.4352	143.2989		3,179,058.7113
<b>Total</b>	<b>41,493.0532</b>	<b>2,064.9408</b>	<b>61,641.4478</b>	<b>69.8560</b>	<b>4,264.6218</b>	<b>6,619.1602</b>	<b>10,883.7820</b>	<b>1,131.6074</b>	<b>6,616.3544</b>	<b>7,747.9618</b>	<b>687,044.8466</b>	<b>3,773,808.9202</b>	<b>4,460,853.7668</b>	<b>786.9489</b>	<b>59.6485</b>	<b>4,495,870.7125</b>

## 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	40,688.833 8	537.5519	48,720.84 61	18.3289		6,564.121 9	6,564.121 9		6,563.929 8	6,563.9298	687,044.8 466	291,912.9 976	978,957.84 42	637.7880	54.0413	1,009,104. 1830
Energy	28.0359	242.3934	122.5820	1.5292		19.3703	19.3703		19.3703	19.3703		305,846.4 875	305,846.48 75	5.8621	5.6072	307,707.8 182
Mobile	776.1835	1,284.9955	12,798.01 96	49.9979	4,264.621 8	35.6680	4,300.289 8	1,131.607 4	33.0543	1,164.6617		3,176,049. 4352	3,176,049. 4352	143.2989		3,179,058. 7113
<b>Total</b>	<b>41,493.053 2</b>	<b>2,064.9408</b>	<b>61,641.44 78</b>	<b>69.8560</b>	<b>4,264.621 8</b>	<b>6,619.160 2</b>	<b>10,883.78 20</b>	<b>1,131.607 4</b>	<b>6,616.354 4</b>	<b>7,747.9618</b>	<b>687,044.8 466</b>	<b>3,773,808. 9202</b>	<b>4,460,853. 7668</b>	<b>786.9489</b>	<b>59.6485</b>	<b>4,495,870. 7125</b>

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

## 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	776.1835	1,284.9955	12,798.01 96	49.9979	4,264.621 8	35.6680	4,300.289 8	1,131.607 4	33.0543	1,164.6617		3,176,049. 4352	3,176,049. 4352	143.2989		3,179,058. 7113
Unmitigated	776.1835	1,284.9955	12,798.01 96	49.9979	4,264.621 8	35.6680	4,300.289 8	1,131.607 4	33.0543	1,164.6617		3,176,049. 4352	3,176,049. 4352	143.2989		3,179,058. 7113



## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	8,351.28	8,351.28	8351.28	67,758,611	67,758,611
City Park	309.87	309.87	309.87	2,514,162	2,514,162
Day-Care Center	277.80	277.80	277.80	2,253,947	2,253,947
Elementary School	3,130.80	3,130.80	3130.80	25,401,934	25,401,934
General Light Industry	8,001.21	8,001.21	8001.21	64,918,273	64,918,273
General Office Building	9,236.35	9,236.35	9236.35	74,939,672	74,939,672
Golf Course	122.75	122.75	122.75	995,920	995,920
Government Office Building	11,032.96	11,032.96	11032.96	89,516,550	89,516,550
High School	784.20	784.20	784.20	6,362,654	6,362,654
Junior High School	1,002.90	1,002.90	1002.90	8,137,089	8,137,089
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	209,122.92	209,122.92	209122.92	1,696,731,359	1,696,731,359
Total	251,373.03	251,373.03	251,373.03	2,039,530,171	2,039,530,171

## 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	22.29	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Day-Care Center	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Elementary School	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
General Light Industry	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Golf Course	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Government Office Building	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
High School	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Junior High School	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	22.29	0.00	0.00	100.00	0.00	0.00	100	0	0

  

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.611152	0.099452	0.250731	0.007405	0.012959	0.002042	0.000906	0.002000	0.000197	0.000202	0.011277	0.000103	0.001572

5.0 Energy Detail

4.4 Fleet Mix

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	28.0359	242.3934	122.5820	1.5292		19.3703	19.3703		19.3703	19.3703		305,846.4875	305,846.4875	5.8621	5.6072	307,707.8182
NaturalGas Unmitigated	28.0359	242.3934	122.5820	1.5292		19.3703	19.3703		19.3703	19.3703		305,846.4875	305,846.4875	5.8621	5.6072	307,707.8182

## 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					
Day-Care Center	3297.68	0.0356	0.3233	0.2716	1.9400e-003		0.0246	0.0246		0.0246	0.0246		387.9623	387.9623	7.4400e-003	7.1100e-003	390.3233
Elementary School	37179.2	0.4010	3.6450	3.0618	0.0219		0.2770	0.2770		0.2770	0.2770		4,374.0235	4,374.0235	0.0838	0.0802	4,400.6431
General Light Industry	160755	1.7336	15.7603	13.2386	0.0946		1.1978	1.1978		1.1978	1.1978		18,912.3218	18,912.3218	0.3625	0.3467	19,027.4190
General Office Building	116591	1.2574	11.4305	9.6016	0.0686		0.8687	0.8687		0.8687	0.8687		13,716.5585	13,716.5585	0.2629	0.2515	13,800.0352
Golf Course	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
Government Office Building	139269	1.5019	13.6539	11.4693	0.0819		1.0377	1.0377		1.0377	1.0377		16,384.6448	16,384.6448	0.3140	0.3004	16,484.3590
High School	9311.97	0.1004	0.9129	0.7669	5.4800e-003		0.0694	0.0694		0.0694	0.0694		1,095.5257	1,095.5257	0.0210	0.0201	1,102.1929
Junior High School	11911	0.1285	1.1677	0.9809	7.0100e-003		0.0888	0.0888		0.0888	0.0888		1,401.2904	1,401.2904	0.0269	0.0257	1,409.8185
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.0528e+006	22.1381	189.1801	80.5022	1.2075		15.2954	15.2954		15.2954	15.2954		241,506.4638	241,506.4638	4.6289	4.4276	242,976.2319
Apartments Low Rise	68575.4	0.7395	6.3197	2.6892	0.0403		0.5110	0.5110		0.5110	0.5110		8,067.6967	8,067.6967	0.1546	0.1479	8,116.7953
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
<b>Total</b>		<b>28.0359</b>	<b>242.3934</b>	<b>122.5820</b>	<b>1.5292</b>		<b>19.3703</b>	<b>19.3703</b>		<b>19.3703</b>	<b>19.3703</b>		<b>305,846.4875</b>	<b>305,846.4875</b>	<b>5.8621</b>	<b>5.6072</b>	<b>307,707.8182</b>

## 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					
Day-Care Center	3.29768	0.0356	0.3233	0.2716	1.9400e-003		0.0246	0.0246		0.0246	0.0246		387.9623	387.9623	7.4400e-003	7.1100e-003	390.3233
Elementary School	37.1792	0.4010	3.6450	3.0618	0.0219		0.2770	0.2770		0.2770	0.2770		4,374.0235	4,374.0235	0.0838	0.0802	4,400.6431
General Light Industry	160.755	1.7336	15.7603	13.2386	0.0946		1.1978	1.1978		1.1978	1.1978		18,912.3218	18,912.3218	0.3625	0.3467	19,027.4190
General Office Building	116.591	1.2574	11.4305	9.6016	0.0686		0.8687	0.8687		0.8687	0.8687		13,716.5585	13,716.5585	0.2629	0.2515	13,800.0352
Golf Course	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
Government Office Building	139.269	1.5019	13.6539	11.4693	0.0819		1.0377	1.0377		1.0377	1.0377		16,384.6448	16,384.6448	0.3140	0.3004	16,484.3590
High School	9.31197	0.1004	0.9129	0.7669	5.4800e-003		0.0694	0.0694		0.0694	0.0694		1,095.5257	1,095.5257	0.0210	0.0201	1,102.1929
Junior High School	11.911	0.1285	1.1677	0.9809	7.0100e-003		0.0888	0.0888		0.0888	0.0888		1,401.2904	1,401.2904	0.0269	0.0257	1,409.8185
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2052.8	22.1381	189.1801	80.5022	1.2075		15.2954	15.2954		15.2954	15.2954		241,506.4638	241,506.4638	4.6289	4.4276	242,976.2319
Apartments Low Rise	68.5754	0.7395	6.3197	2.6892	0.0403		0.5110	0.5110		0.5110	0.5110		8,067.6967	8,067.6967	0.1546	0.1479	8,116.7953
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
<b>Total</b>		<b>28.0359</b>	<b>242.3934</b>	<b>122.5820</b>	<b>1.5292</b>		<b>19.3703</b>	<b>19.3703</b>		<b>19.3703</b>	<b>19.3703</b>		<b>305,846.4875</b>	<b>305,846.4875</b>	<b>5.8621</b>	<b>5.6072</b>	<b>307,707.8182</b>

## 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	40,688.8338	537.5519	48,720.8461	18.3289		6,564.1219	6,564.1219		6,563.9298	6,563.9298	687,044.8466	291,912.9976	978,957.8442	637.7880	54.0413	1,009,104.1830
Unmitigated	40,688.8338	537.5519	48,720.8461	18.3289		6,564.1219	6,564.1219		6,563.9298	6,563.9298	687,044.8466	291,912.9976	978,957.8442	637.7880	54.0413	1,009,104.1830

### 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	770.3961					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,992.8850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	37,860.4410	513.6649	46,639.9972	18.2176		6,552.6368	6,552.6368		6,552.4447	6,552.4447	687,044.8466	288,136.5882	975,181.4348	634.0284	54.0413	1,005,248.8223
Landscaping	65.1117	23.8870	2,080.8489	0.1113		11.4851	11.4851		11.4851	11.4851		3,776.4094	3,776.4094	3.7596		3,855.3607
Total	40,688.8338	537.5519	48,720.8461	18.3289		6,564.1219	6,564.1219		6,563.9298	6,563.9298	687,044.8466	291,912.9976	978,957.8442	637.7880	54.0413	1,009,104.1830

**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	770.3961					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,992.8850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	37,860.4410	513.6649	46,639.9972	18.2176		6,552.6368	6,552.6368		6,552.4447	6,552.4447	687,044.8466	288,136.5882	975,181.4348	634.0284	54.0413	1,005,248.8223
Landscaping	65.1117	23.8870	2,080.8489	0.1113		11.4851	11.4851		11.4851	11.4851		3,776.4094	3,776.4094	3.7596		3,855.3607
Total	40,688.8338	537.5519	48,720.8461	18.3289		6,564.1219	6,564.1219		6,563.9298	6,563.9298	687,044.8466	291,912.9976	978,957.8442	637.7880	54.0413	1,009,104.1830

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**Buildout\_Existing Uses**  
**Los Angeles-Mojave Desert County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	3,420.87	1000sqft	2,070.00	3,420,870.00	0
Government Office Building	4,086.28	1000sqft	570,046.00	4,086,283.00	0
Day-Care Center	926.00	Student	4.00	102,091.00	0
Elementary School	10,436.00	Student	265.00	1,151,010.00	0
High School	2,614.00	Student	108.00	288,284.00	0
Junior High School	3,343.00	Student	70.00	368,745.00	0
General Light Industry	2,963.41	1000sqft	24,786.00	2,963,408.00	0
Other Non-Asphalt Surfaces	419,510.00	Acre	419,510.00	0.00	0
Parking Lot	17.90	Acre	17.90	0.00	0
City Park	15,493.58	Acre	15,493.58	99,405.00	0
Golf Course	395.96	Acre	399.00	45,784.00	0
Apartments Low Rise	1,657.00	Dwelling Unit	5,555.00	3,096,379.00	4623
Single Family Housing	23,082.00	Dwelling Unit	98,284.00	77,503,209.00	88867

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9	<b>Operational Year</b>	2035		
<b>Utility Company</b>	Southern California Edison				

**CO2 Intensity**  
(lb/MW hr) 630.89

**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 information provided by the County. For modeling purposes, private/charter schools and elementary school land use information combined as one.

Construction Phase - No construction component for modeling.

Off-road Equipment - No construction component.

Off-road Equipment -

Vehicle Trips - Trip generation rate and average trip distance based on information provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Energy Use -

Water And Wastewater - See Sections 5.17.1 and 5.17.2 of the Draft EIR. Otherwise noted, modeling assumes 60% of existing land uses use septic systems.

Solid Waste - See Section 5.17.4 of the Draft EIR.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	18788819	18788816
tblConstructionPhase	NumDays	10,000.00	10.00
tblLandUse	LandUseSquareFeet	4,086,280.00	4,086,283.00
tblLandUse	LandUseSquareFeet	52,340.15	102,091.00
tblLandUse	LandUseSquareFeet	872,484.77	1,151,010.00
tblLandUse	LandUseSquareFeet	346,775.80	288,284.00
tblLandUse	LandUseSquareFeet	393,008.71	368,745.00
tblLandUse	LandUseSquareFeet	2,963,410.00	2,963,408.00
tblLandUse	LandUseSquareFeet	18,273,855,600.00	0.00
tblLandUse	LandUseSquareFeet	779,724.00	0.00



tblLandUse	LandUseSquareFeet	674,901,216.00	99,405.00
tblLandUse	LandUseSquareFeet	17,248,017.60	45,784.00
tblLandUse	LandUseSquareFeet	1,657,000.00	3,096,379.00
tblLandUse	LandUseSquareFeet	41,547,600.00	77,503,209.00
tblLandUse	LotAcreage	78.53	2,070.00
tblLandUse	LotAcreage	93.81	570,046.00
tblLandUse	LotAcreage	1.20	4.00
tblLandUse	LotAcreage	20.03	265.00
tblLandUse	LotAcreage	7.96	108.00
tblLandUse	LotAcreage	9.02	70.00
tblLandUse	LotAcreage	68.03	24,786.00
tblLandUse	LotAcreage	15,493.60	15,493.58
tblLandUse	LotAcreage	395.96	399.00
tblLandUse	LotAcreage	103.56	5,555.00
tblLandUse	LotAcreage	7,494.16	98,284.00
tblLandUse	Population	4,739.00	4,623.00
tblLandUse	Population	66,015.00	88,867.00
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblProjectCharacteristics	OperationalYear	2014	2035
tblSolidWaste	SolidWasteGenerationRate	762.22	1,110.15
tblSolidWaste	SolidWasteGenerationRate	1,332.45	1,940.68
tblSolidWaste	SolidWasteGenerationRate	169.00	246.14
tblSolidWaste	SolidWasteGenerationRate	1,904.57	2,773.96
tblSolidWaste	SolidWasteGenerationRate	3,674.63	5,352.01
tblSolidWaste	SolidWasteGenerationRate	3,181.41	4,633.65
tblSolidWaste	SolidWasteGenerationRate	368.24	536.33
tblSolidWaste	SolidWasteGenerationRate	3,800.24	5,534.96

tblSolidWaste	SolidWasteGenerationRate	477.06	694.83
tblSolidWaste	SolidWasteGenerationRate	610.10	888.60
tblSolidWaste	SolidWasteGenerationRate	36,435.47	53,067.36
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tblVehicleEF	LDT2	0.18	0.25
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tblVehicleTrips	ST_TR	1.32	2.70
tblVehicleTrips	ST_TR	2.37	2.70
tblVehicleTrips	ST_TR	5.82	0.31
tblVehicleTrips	ST_TR	0.00	2.70
tblVehicleTrips	ST_TR	0.61	0.30
tblVehicleTrips	ST_TR	0.00	0.30
tblVehicleTrips	ST_TR	10.08	9.06
tblVehicleTrips	SU_TR	6.07	5.04
tblVehicleTrips	SU_TR	1.59	0.02
tblVehicleTrips	SU_TR	0.37	0.30
tblVehicleTrips	SU_TR	0.00	0.30
tblVehicleTrips	SU_TR	0.68	2.70
tblVehicleTrips	SU_TR	0.98	2.70
tblVehicleTrips	SU_TR	5.88	0.31
tblVehicleTrips	SU_TR	0.00	2.70
tblVehicleTrips	SU_TR	0.25	0.30
tblVehicleTrips	SU_TR	0.00	0.30

tblVehicleTrips	SU_TR	8.77	9.06
tblVehicleTrips	WD_TR	6.59	5.04
tblVehicleTrips	WD_TR	1.59	0.02
tblVehicleTrips	WD_TR	4.48	0.30
tblVehicleTrips	WD_TR	1.29	0.30
tblVehicleTrips	WD_TR	6.97	2.70
tblVehicleTrips	WD_TR	11.01	2.70
tblVehicleTrips	WD_TR	5.04	0.31
tblVehicleTrips	WD_TR	68.93	2.70
tblVehicleTrips	WD_TR	1.71	0.30
tblVehicleTrips	WD_TR	1.62	0.30
tblVehicleTrips	WD_TR	9.57	9.06
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
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	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce	2.21	0.00
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tblWater	AnaerobicandFacultativeLagoonsPerce	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce	2.21	0.00
tblWater	IndoorWaterUseRate	107,960,220.45	203,790.00
tblWater	IndoorWaterUseRate	2,244,846.24	4,237.00
tblWater	IndoorWaterUseRate	25,299,368.64	47,756.00
tblWater	IndoorWaterUseRate	685,288,562.50	1,293,580.00
tblWater	IndoorWaterUseRate	608,004,046.50	1,147,695.00
tblWater	IndoorWaterUseRate	811,779,101.15	1,532,349.00
tblWater	IndoorWaterUseRate	11,514,565.44	21,735.00
tblWater	IndoorWaterUseRate	8,104,234.32	15,298.00
tblWater	IndoorWaterUseRate	1,503,885,219.39	2,838,799.00
tblWater	OutdoorWaterUseRate	68,061,878.11	27,349.00
tblWater	OutdoorWaterUseRate	18,460,335,439.10	7,417,813.00
tblWater	OutdoorWaterUseRate	5,772,461.76	2,320.00
tblWater	OutdoorWaterUseRate	65,055,519.36	26,141.00
tblWater	OutdoorWaterUseRate	372,647,641.40	149,739.00
tblWater	OutdoorWaterUseRate	471,778,955.21	189,572.00
tblWater	OutdoorWaterUseRate	497,542,029.74	199,925.00
tblWater	OutdoorWaterUseRate	29,608,882.56	11,898.00
tblWater	OutdoorWaterUseRate	20,839,459.68	8,374.00
tblWater	OutdoorWaterUseRate	948,101,551.36	380,970.00
tblWater	SepticTankPercent	10.33	60.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00

## 2.0 Emissions Summary

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### 2.2 Overall Operational

#### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	40,688.8338	537.5519	48,720.8461	18.3289		6,564.1219	6,564.1219		6,563.9298	6,563.9298	687,044.8466	291,912.9976	978,957.8442	637.7880	54.0413	1,009,104.1830
Energy	28.0359	242.3934	122.5820	1.5292		19.3703	19.3703		19.3703	19.3703		305,846.4875	305,846.4875	5.8621	5.6072	307,707.8182
Mobile	838.4670	1,215.4091	15,907.3456	56.6657	4,264.6218	35.6623	4,300.2841	1,131.6074	33.0491	1,164.6565		3,590,005.1545	3,590,005.1545	143.2935		3,593,014.3178
Total	41,555.3367	1,995.3543	64,750.7738	76.5238	4,264.6218	6,619.1545	10,883.7763	1,131.6074	6,616.3492	7,747.9565	687,044.8466	4,187,764.6395	4,874,809.4861	786.9435	59.6485	4,909,826.3190

## 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	40,688.8338	537.5519	48,720.8461	18.3289		6,564.1219	6,564.1219		6,563.9298	6,563.9298	687,044.8466	291,912.9976	978,957.8442	637.7880	54.0413	1,009,104.1830
Energy	28.0359	242.3934	122.5820	1.5292		19.3703	19.3703		19.3703	19.3703		305,846.4875	305,846.4875	5.8621	5.6072	307,707.8182
Mobile	838.4670	1,215.4091	15,907.3456	56.6657	4,264.6218	35.6623	4,300.2841	1,131.6074	33.0491	1,164.6565		3,590,005.1545	3,590,005.1545	143.2935		3,593,014.3178
<b>Total</b>	<b>41,555.3367</b>	<b>1,995.3543</b>	<b>64,750.7738</b>	<b>76.5238</b>	<b>4,264.6218</b>	<b>6,619.1545</b>	<b>10,883.7763</b>	<b>1,131.6074</b>	<b>6,616.3492</b>	<b>7,747.9565</b>	<b>687,044.8466</b>	<b>4,187,764.6395</b>	<b>4,874,809.4861</b>	<b>786.9435</b>	<b>59.6485</b>	<b>4,909,826.3190</b>

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

## 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	838.4670	1,215.4091	15,907.3456	56.6657	4,264.6218	35.6623	4,300.2841	1,131.6074	33.0491	1,164.6565		3,590,005.1545	3,590,005.1545	143.2935		3,593,014.3178
Unmitigated	838.4670	1,215.4091	15,907.3456	56.6657	4,264.6218	35.6623	4,300.2841	1,131.6074	33.0491	1,164.6565		3,590,005.1545	3,590,005.1545	143.2935		3,593,014.3178

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	8,351.28	8,351.28	8,351.28	67,758,611	67,758,611
City Park	309.87	309.87	309.87	2,514,162	2,514,162
Day-Care Center	277.80	277.80	277.80	2,253,947	2,253,947
Elementary School	3,130.80	3,130.80	3,130.80	25,401,934	25,401,934
General Light Industry	8,001.21	8,001.21	8,001.21	64,918,273	64,918,273
General Office Building	9,236.35	9,236.35	9,236.35	74,939,672	74,939,672
Golf Course	122.75	122.75	122.75	995,920	995,920
Government Office Building	11,032.96	11,032.96	11,032.96	89,516,550	89,516,550
High School	784.20	784.20	784.20	6,362,654	6,362,654
Junior High School	1,002.90	1,002.90	1,002.90	8,137,089	8,137,089
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	209,122.92	209,122.92	209,122.92	1,696,731,359	1,696,731,359
Total	251,373.03	251,373.03	251,373.03	2,039,530,171	2,039,530,171

## 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	22.29	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Day-Care Center	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Elementary School	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
General Light Industry	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Golf Course	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Government Office Building	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
High School	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Junior High School	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	22.29	0.00	0.00	100.00	0.00	0.00	100	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.611152	0.099452	0.250731	0.007405	0.012959	0.002042	0.000906	0.002000	0.000197	0.000202	0.011277	0.000103	0.001572

5.0 Energy Detail

4.4 Fleet Mix

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	28.0359	242.3934	122.5820	1.5292		19.3703	19.3703		19.3703	19.3703		305,846.4875	305,846.4875	5.8621	5.6072	307,707.8182
NaturalGas Unmitigated	28.0359	242.3934	122.5820	1.5292		19.3703	19.3703		19.3703	19.3703		305,846.4875	305,846.4875	5.8621	5.6072	307,707.8182

## 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					
Day-Care Center	3297.68	0.0356	0.3233	0.2716	1.9400e-003		0.0246	0.0246		0.0246	0.0246		387.9623	387.9623	7.4400e-003	7.1100e-003	390.3233
Elementary School	37179.2	0.4010	3.6450	3.0618	0.0219		0.2770	0.2770		0.2770	0.2770		4,374.0235	4,374.0235	0.0838	0.0802	4,400.6431
General Light Industry	160755	1.7336	15.7603	13.2386	0.0946		1.1978	1.1978		1.1978	1.1978		18,912.3218	18,912.3218	0.3625	0.3467	19,027.4190
General Office Building	116591	1.2574	11.4305	9.6016	0.0686		0.8687	0.8687		0.8687	0.8687		13,716.5585	13,716.5585	0.2629	0.2515	13,800.0352
Golf Course	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
Government Office Building	139269	1.5019	13.6539	11.4693	0.0819		1.0377	1.0377		1.0377	1.0377		16,384.6448	16,384.6448	0.3140	0.3004	16,484.3590
High School	9311.97	0.1004	0.9129	0.7669	5.4800e-003		0.0694	0.0694		0.0694	0.0694		1,095.5257	1,095.5257	0.0210	0.0201	1,102.1929
Junior High School	11911	0.1285	1.1677	0.9809	7.0100e-003		0.0888	0.0888		0.0888	0.0888		1,401.2904	1,401.2904	0.0269	0.0257	1,409.8185
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.0528e+006	22.1381	189.1801	80.5022	1.2075		15.2954	15.2954		15.2954	15.2954		241,506.4638	241,506.4638	4.6289	4.4276	242,976.2319
Apartments Low Rise	68575.4	0.7395	6.3197	2.6892	0.0403		0.5110	0.5110		0.5110	0.5110		8,067.6967	8,067.6967	0.1546	0.1479	8,116.7953
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
<b>Total</b>		<b>28.0359</b>	<b>242.3934</b>	<b>122.5820</b>	<b>1.5292</b>		<b>19.3703</b>	<b>19.3703</b>		<b>19.3703</b>	<b>19.3703</b>		<b>305,846.4875</b>	<b>305,846.4875</b>	<b>5.8621</b>	<b>5.6072</b>	<b>307,707.8182</b>

## 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					
Day-Care Center	3.29768	0.0356	0.3233	0.2716	1.9400e-003		0.0246	0.0246		0.0246	0.0246		387.9623	387.9623	7.4400e-003	7.1100e-003	390.3233
Elementary School	37.1792	0.4010	3.6450	3.0618	0.0219		0.2770	0.2770		0.2770	0.2770		4,374.0235	4,374.0235	0.0838	0.0802	4,400.6431
General Light Industry	160.755	1.7336	15.7603	13.2386	0.0946		1.1978	1.1978		1.1978	1.1978		18,912.3218	18,912.3218	0.3625	0.3467	19,027.4190
General Office Building	116.591	1.2574	11.4305	9.6016	0.0686		0.8687	0.8687		0.8687	0.8687		13,716.5585	13,716.5585	0.2629	0.2515	13,800.0352
Golf Course	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
Government Office Building	139.269	1.5019	13.6539	11.4693	0.0819		1.0377	1.0377		1.0377	1.0377		16,384.6448	16,384.6448	0.3140	0.3004	16,484.3590
High School	9.31197	0.1004	0.9129	0.7669	5.4800e-003		0.0694	0.0694		0.0694	0.0694		1,095.5257	1,095.5257	0.0210	0.0201	1,102.1929
Junior High School	11.911	0.1285	1.1677	0.9809	7.0100e-003		0.0888	0.0888		0.0888	0.0888		1,401.2904	1,401.2904	0.0269	0.0257	1,409.8185
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2052.8	22.1381	189.1801	80.5022	1.2075		15.2954	15.2954		15.2954	15.2954		241,506.4638	241,506.4638	4.6289	4.4276	242,976.2319
Apartments Low Rise	68.5754	0.7395	6.3197	2.6892	0.0403		0.5110	0.5110		0.5110	0.5110		8,067.6967	8,067.6967	0.1546	0.1479	8,116.7953
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
<b>Total</b>		<b>28.0359</b>	<b>242.3934</b>	<b>122.5820</b>	<b>1.5292</b>		<b>19.3703</b>	<b>19.3703</b>		<b>19.3703</b>	<b>19.3703</b>		<b>305,846.4875</b>	<b>305,846.4875</b>	<b>5.8621</b>	<b>5.6072</b>	<b>307,707.8182</b>

## 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	40,688.8338	537.5519	48,720.8461	18.3289		6,564.1219	6,564.1219		6,563.9298	6,563.9298	687,044.8466	291,912.9976	978,957.8442	637.7880	54.0413	1,009,104.1830
Unmitigated	40,688.8338	537.5519	48,720.8461	18.3289		6,564.1219	6,564.1219		6,563.9298	6,563.9298	687,044.8466	291,912.9976	978,957.8442	637.7880	54.0413	1,009,104.1830

### 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	770.3961					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,992.8850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	37,860.4410	513.6649	46,639.9972	18.2176		6,552.6368	6,552.6368		6,552.4447	6,552.4447	687,044.8466	288,136.5882	975,181.4348	634.0284	54.0413	1,005,248.8223
Landscaping	65.1117	23.8870	2,080.8489	0.1113		11.4851	11.4851		11.4851	11.4851		3,776.4094	3,776.4094	3.7596		3,855.3607
Total	40,688.8338	537.5519	48,720.8461	18.3289		6,564.1219	6,564.1219		6,563.9298	6,563.9298	687,044.8466	291,912.9976	978,957.8442	637.7880	54.0413	1,009,104.1830



**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	770.3961					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,992.8850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	37,860.4410	513.6649	46,639.9972	18.2176		6,552.6368	6,552.6368		6,552.4447	6,552.4447	687,044.8466	288,136.5882	975,181.4348	634.0284	54.0413	1,005,248.8223
Landscaping	65.1117	23.8870	2,080.8489	0.1113		11.4851	11.4851		11.4851	11.4851		3,776.4094	3,776.4094	3.7596		3,855.3607
Total	40,688.8338	537.5519	48,720.8461	18.3289		6,564.1219	6,564.1219		6,563.9298	6,563.9298	687,044.8466	291,912.9976	978,957.8442	637.7880	54.0413	1,009,104.1830

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**Buildout\_Existing Uses**  
**Los Angeles-Mojave Desert County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	3,420.87	1000sqft	2,070.00	3,420,870.00	0
Government Office Building	4,086.28	1000sqft	570,046.00	4,086,283.00	0
Day-Care Center	926.00	Student	4.00	102,091.00	0
Elementary School	10,436.00	Student	265.00	1,151,010.00	0
High School	2,614.00	Student	108.00	288,284.00	0
Junior High School	3,343.00	Student	70.00	368,745.00	0
General Light Industry	2,963.41	1000sqft	24,786.00	2,963,408.00	0
Other Non-Asphalt Surfaces	419,510.00	Acre	419,510.00	0.00	0
Parking Lot	17.90	Acre	17.90	0.00	0
City Park	15,493.58	Acre	15,493.58	99,405.00	0
Golf Course	395.96	Acre	399.00	45,784.00	0
Apartments Low Rise	1,657.00	Dwelling Unit	5,555.00	3,096,379.00	4623
Single Family Housing	23,082.00	Dwelling Unit	98,284.00	77,503,209.00	88867

### 1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2035
Utility Company	Southern California Edison				

CO2 Intensity  
(lb/MW hr) 630.89

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 information provided by the County. For modeling purposes, private/charter schools and elementary school land use information combined as one.

Construction Phase - No construction component for modeling.

Off-road Equipment - No construction component.

Off-road Equipment -

Vehicle Trips - Trip generation rate and average trip distance based on information provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Energy Use -

Water And Wastewater - See Sections 5.17.1 and 5.17.2 of the Draft EIR. Otherwise noted, modeling assumes 60% of existing land uses use septic systems.

Solid Waste - See Section 5.17.4 of the Draft EIR.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	18788819	18788816
tblConstructionPhase	NumDays	10,000.00	10.00
tblLandUse	LandUseSquareFeet	4,086,280.00	4,086,283.00
tblLandUse	LandUseSquareFeet	52,340.15	102,091.00
tblLandUse	LandUseSquareFeet	872,484.77	1,151,010.00
tblLandUse	LandUseSquareFeet	346,775.80	288,284.00
tblLandUse	LandUseSquareFeet	393,008.71	368,745.00
tblLandUse	LandUseSquareFeet	2,963,410.00	2,963,408.00
tblLandUse	LandUseSquareFeet	18,273,855,600.00	0.00
tblLandUse	LandUseSquareFeet	779,724.00	0.00

tblLandUse	LandUseSquareFeet	674,901,216.00	99,405.00
tblLandUse	LandUseSquareFeet	17,248,017.60	45,784.00
tblLandUse	LandUseSquareFeet	1,657,000.00	3,096,379.00
tblLandUse	LandUseSquareFeet	41,547,600.00	77,503,209.00
tblLandUse	LotAcreage	78.53	2,070.00
tblLandUse	LotAcreage	93.81	570,046.00
tblLandUse	LotAcreage	1.20	4.00
tblLandUse	LotAcreage	20.03	265.00
tblLandUse	LotAcreage	7.96	108.00
tblLandUse	LotAcreage	9.02	70.00
tblLandUse	LotAcreage	68.03	24,786.00
tblLandUse	LotAcreage	15,493.60	15,493.58
tblLandUse	LotAcreage	395.96	399.00
tblLandUse	LotAcreage	103.56	5,555.00
tblLandUse	LotAcreage	7,494.16	98,284.00
tblLandUse	Population	4,739.00	4,623.00
tblLandUse	Population	66,015.00	88,867.00
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblProjectCharacteristics	OperationalYear	2014	2035
tblSolidWaste	SolidWasteGenerationRate	762.22	1,110.15
tblSolidWaste	SolidWasteGenerationRate	1,332.45	1,940.68
tblSolidWaste	SolidWasteGenerationRate	169.00	246.14
tblSolidWaste	SolidWasteGenerationRate	1,904.57	2,773.96
tblSolidWaste	SolidWasteGenerationRate	3,674.63	5,352.01
tblSolidWaste	SolidWasteGenerationRate	3,181.41	4,633.65
tblSolidWaste	SolidWasteGenerationRate	368.24	536.33
tblSolidWaste	SolidWasteGenerationRate	3,800.24	5,534.96

tblSolidWaste	SolidWasteGenerationRate	477.06	694.83
tblSolidWaste	SolidWasteGenerationRate	610.10	888.60
tblSolidWaste	SolidWasteGenerationRate	36,435.47	53,067.36
tblVehicleEF	HHD	0.01	2.0000e-003
tblVehicleEF	HHD	0.01	2.0000e-003
tblVehicleEF	HHD	0.01	2.0000e-003
tblVehicleEF	LDA	0.45	0.61
tblVehicleEF	LDA	0.45	0.61
tblVehicleEF	LDA	0.45	0.61
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT2	0.18	0.25
tblVehicleEF	LDT2	0.18	0.25
tblVehicleEF	LDT2	0.18	0.25
tblVehicleEF	LHD1	0.08	0.01
tblVehicleEF	LHD1	0.08	0.01
tblVehicleEF	LHD1	0.08	0.01
tblVehicleEF	LHD2	0.01	2.0420e-003
tblVehicleEF	LHD2	0.01	2.0420e-003
tblVehicleEF	LHD2	0.01	2.0420e-003
tblVehicleEF	MCY	8.2250e-003	0.01
tblVehicleEF	MCY	8.2250e-003	0.01
tblVehicleEF	MCY	8.2250e-003	0.01
tblVehicleEF	MDV	0.17	7.4050e-003
tblVehicleEF	MDV	0.17	7.4050e-003
tblVehicleEF	MDV	0.17	7.4050e-003

tblVehicleEF	MH	9.3730e-003	1.5720e-003
tblVehicleEF	MH	9.3730e-003	1.5720e-003
tblVehicleEF	MH	9.3730e-003	1.5720e-003
tblVehicleEF	MHD	5.4020e-003	9.0600e-004
tblVehicleEF	MHD	5.4020e-003	9.0600e-004
tblVehicleEF	MHD	5.4020e-003	9.0600e-004
tblVehicleEF	OBUS	1.1770e-003	1.9700e-004
tblVehicleEF	OBUS	1.1770e-003	1.9700e-004
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tblVehicleEF	SBUS	6.1300e-004	1.0300e-004
tblVehicleEF	SBUS	6.1300e-004	1.0300e-004
tblVehicleEF	SBUS	6.1300e-004	1.0300e-004
tblVehicleEF	UBUS	1.2070e-003	2.0200e-004
tblVehicleEF	UBUS	1.2070e-003	2.0200e-004
tblVehicleEF	UBUS	1.2070e-003	2.0200e-004
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tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TL	7.30	22.29
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tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	82.30	100.00
tblVehicleTrips	CC_TTP	30.00	100.00

tblVehicleTrips	CC_TTP	28.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	62.00	100.00
tblVehicleTrips	CC_TTP	17.20	100.00
tblVehicleTrips	CC_TTP	22.20	100.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
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tblVehicleTrips	CNW_TTP	5.00	0.00
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tblVehicleTrips	CW_TL	9.50	0.00

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tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
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tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	7.50	0.00



tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	10.80	22.29
tblVehicleTrips	HW_TL	10.80	22.29
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
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tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
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tblVehicleTrips	PR_TP	28.00	100.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00

tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	52.00	100.00
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tblVehicleTrips	ST_TR	7.16	5.04
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tblVehicleTrips	ST_TR	0.00	0.30
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tblVehicleTrips	ST_TR	2.37	2.70
tblVehicleTrips	ST_TR	5.82	0.31
tblVehicleTrips	ST_TR	0.00	2.70
tblVehicleTrips	ST_TR	0.61	0.30
tblVehicleTrips	ST_TR	0.00	0.30
tblVehicleTrips	ST_TR	10.08	9.06
tblVehicleTrips	SU_TR	6.07	5.04
tblVehicleTrips	SU_TR	1.59	0.02
tblVehicleTrips	SU_TR	0.37	0.30
tblVehicleTrips	SU_TR	0.00	0.30
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tblVehicleTrips	SU_TR	0.98	2.70
tblVehicleTrips	SU_TR	5.88	0.31
tblVehicleTrips	SU_TR	0.00	2.70
tblVehicleTrips	SU_TR	0.25	0.30
tblVehicleTrips	SU_TR	0.00	0.30

tblVehicleTrips	SU_TR	8.77	9.06
tblVehicleTrips	WD_TR	6.59	5.04
tblVehicleTrips	WD_TR	1.59	0.02
tblVehicleTrips	WD_TR	4.48	0.30
tblVehicleTrips	WD_TR	1.29	0.30
tblVehicleTrips	WD_TR	6.97	2.70
tblVehicleTrips	WD_TR	11.01	2.70
tblVehicleTrips	WD_TR	5.04	0.31
tblVehicleTrips	WD_TR	68.93	2.70
tblVehicleTrips	WD_TR	1.71	0.30
tblVehicleTrips	WD_TR	1.62	0.30
tblVehicleTrips	WD_TR	9.57	9.06
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
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tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
tblWater	AerobicPercent	87.46	40.00
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	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPerce	2.21	0.00
tblWater	IndoorWaterUseRate	107,960,220.45	203,790.00
tblWater	IndoorWaterUseRate	2,244,846.24	4,237.00
tblWater	IndoorWaterUseRate	25,299,368.64	47,756.00
tblWater	IndoorWaterUseRate	685,288,562.50	1,293,580.00
tblWater	IndoorWaterUseRate	608,004,046.50	1,147,695.00
tblWater	IndoorWaterUseRate	811,779,101.15	1,532,349.00
tblWater	IndoorWaterUseRate	11,514,565.44	21,735.00
tblWater	IndoorWaterUseRate	8,104,234.32	15,298.00
tblWater	IndoorWaterUseRate	1,503,885,219.39	2,838,799.00
tblWater	OutdoorWaterUseRate	68,061,878.11	27,349.00
tblWater	OutdoorWaterUseRate	18,460,335,439.10	7,417,813.00
tblWater	OutdoorWaterUseRate	5,772,461.76	2,320.00
tblWater	OutdoorWaterUseRate	65,055,519.36	26,141.00
tblWater	OutdoorWaterUseRate	372,647,641.40	149,739.00
tblWater	OutdoorWaterUseRate	471,778,955.21	189,572.00
tblWater	OutdoorWaterUseRate	497,542,029.74	199,925.00
tblWater	OutdoorWaterUseRate	29,608,882.56	11,898.00
tblWater	OutdoorWaterUseRate	20,839,459.68	8,374.00
tblWater	OutdoorWaterUseRate	948,101,551.36	380,970.00
tblWater	SepticTankPercent	10.33	60.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00
tblWater	SepticTankPercent	10.33	60.00

## 2.0 Emissions Summary

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### 2.2 Overall Operational

#### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2,062.4369	23.2101	2,099.5163	0.7569		269.6918	269.6918		269.6839	269.6839	25,554.3406	11,025.4488	36,579.7895	23.8894	2.0100	37,704.5793
Energy	5.1166	44.2368	22.3712	0.2791		3.5351	3.5351		3.5351	3.5351	0.0000	148,988.5592	148,988.5592	5.4915	1.8637	149,681.6268
Mobile	140.0947	246.1815	2,492.8909	9.3693	760.9242	6.4833	767.4074	202.2126	6.0082	208.2207	0.0000	539,492.4524	539,492.4524	23.6311	0.0000	539,988.7050
Waste						0.0000	0.0000		0.0000	0.0000	15,585.3762	0.0000	15,585.3762	921.0693	0.0000	34,927.8324
Water						0.0000	0.0000		0.0000	0.0000	1.2801	53.2265	54.5066	0.7988	5.9700e-003	73.1338
<b>Total</b>	<b>2,207.6482</b>	<b>313.6284</b>	<b>4,614.7784</b>	<b>10.4053</b>	<b>760.9242</b>	<b>279.7101</b>	<b>1,040.6343</b>	<b>202.2126</b>	<b>279.2271</b>	<b>481.4397</b>	<b>41,140.9969</b>	<b>699,559.6870</b>	<b>740,700.6839</b>	<b>974.8801</b>	<b>3.8797</b>	<b>762,375.8772</b>

## 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	2,062.4369	23.2101	2,099.5163	0.7569		269.6918	269.6918		269.6839	269.6839	25,554.3406	11,025.4488	36,579.7895	23.8894	2.0100	37,704.5793
Energy	5.1166	44.2368	22.3712	0.2791		3.5351	3.5351		3.5351	3.5351	0.0000	148,988.5592	148,988.5592	5.4915	1.8637	149,681.6268
Mobile	140.0947	246.1815	2,492.8909	9.3693	760.9242	6.4833	767.4074	202.2126	6.0082	208.2207	0.0000	539,492.4524	539,492.4524	23.6311	0.0000	539,988.7050
Waste						0.0000	0.0000		0.0000	0.0000	15,585.3762	0.0000	15,585.3762	921.0693	0.0000	34,927.8324
Water						0.0000	0.0000		0.0000	0.0000	1.2801	53.2265	54.5066	0.7988	5.9700e-003	73.1317
<b>Total</b>	<b>2,207.6482</b>	<b>313.6284</b>	<b>4,614.7784</b>	<b>10.4053</b>	<b>760.9242</b>	<b>279.7101</b>	<b>1,040.6343</b>	<b>202.2126</b>	<b>279.2271</b>	<b>481.4397</b>	<b>41,140.9969</b>	<b>699,559.6870</b>	<b>740,700.6839</b>	<b>974.8801</b>	<b>3.8797</b>	<b>762,375.8751</b>

	ROG	NOx	CO	SO2	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	140.0947	246.1815	2,492.8909	9.3693	760.9242	6.4833	767.4074	202.2126	6.0082	208.2207	0.0000	539,492.4524	539,492.4524	23.6311	0.0000	539,988.7050
Unmitigated	140.0947	246.1815	2,492.8909	9.3693	760.9242	6.4833	767.4074	202.2126	6.0082	208.2207	0.0000	539,492.4524	539,492.4524	23.6311	0.0000	539,988.7050

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	8,351.28	8,351.28	8351.28	67,758,611	67,758,611
City Park	309.87	309.87	309.87	2,514,162	2,514,162
Day-Care Center	277.80	277.80	277.80	2,253,947	2,253,947
Elementary School	3,130.80	3,130.80	3130.80	25,401,934	25,401,934
General Light Industry	8,001.21	8,001.21	8001.21	64,918,273	64,918,273
General Office Building	9,236.35	9,236.35	9236.35	74,939,672	74,939,672
Golf Course	122.75	122.75	122.75	995,920	995,920
Government Office Building	11,032.96	11,032.96	11032.96	89,516,550	89,516,550
High School	784.20	784.20	784.20	6,362,654	6,362,654
Junior High School	1,002.90	1,002.90	1002.90	8,137,089	8,137,089
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	209,122.92	209,122.92	209122.92	1,696,731,359	1,696,731,359
Total	251,373.03	251,373.03	251,373.03	2,039,530,171	2,039,530,171

## 4.3 Trip Type Information

			Miles			Trip %			Trip Purpose %			
Land Use			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			22.29	0.00	0.00	100.00	0.00	0.00	100	0	0	
City Park			0.00	22.29	0.00	0.00	100.00	0.00	100	0	0	
Day-Care Center			0.00	22.29	0.00	0.00	100.00	0.00	100	0	0	
Elementary School			0.00	22.29	0.00	0.00	100.00	0.00	100	0	0	
General Light Industry			0.00	22.29	0.00	0.00	100.00	0.00	100	0	0	
General Office Building			0.00	22.29	0.00	0.00	100.00	0.00	100	0	0	
Golf Course			0.00	22.29	0.00	0.00	100.00	0.00	100	0	0	
Government Office Building			0.00	22.29	0.00	0.00	100.00	0.00	100	0	0	
High School			0.00	22.29	0.00	0.00	100.00	0.00	100	0	0	
Junior High School			0.00	22.29	0.00	0.00	100.00	0.00	100	0	0	
Other Non-Asphalt Surfaces			9.50	7.30	7.30	0.00	0.00	0.00	0	0	0	
Parking Lot			9.50	7.30	7.30	0.00	0.00	0.00	0	0	0	
Single Family Housing			22.29	0.00	0.00	100.00	0.00	0.00	100	0	0	
LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.611152	0.099452	0.250731	0.007405	0.012959	0.002042	0.000906	0.002000	0.000197	0.000202	0.011277	0.000103	0.001572

## 5.0 Energy Detail

### 4.4 Fleet Mix

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	98,352.2431	98,352.2431	4.5209	0.9354	98,737.1465
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	98,352.2431	98,352.2431	4.5209	0.9354	98,737.1465
NaturalGas Mitigated	5.1166	44.2368	22.3712	0.2791		3.5351	3.5351		3.5351	3.5351	0.0000	50,636.3161	50,636.3161	0.9705	0.9283	50,944.4803
NaturalGas Unmitigated	5.1166	44.2368	22.3712	0.2791		3.5351	3.5351		3.5351	3.5351	0.0000	50,636.3161	50,636.3161	0.9705	0.9283	50,944.4803



## 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					
Day-Care Center	1.20365e+006	6.4900e-003	0.0590	0.0496	3.5000e-004		4.4800e-003	4.4800e-003		4.4800e-003	4.4800e-003	0.0000	64.2315	64.2315	1.2300e-003	1.1800e-003	64.6224
Elementary School	1.35704e+007	0.0732	0.6652	0.5588	3.9900e-003		0.0506	0.0506		0.0506	0.0506	0.0000	724.1686	724.1686	0.0139	0.0133	728.5758
General Light Industry	5.86755e+007	0.3164	2.8763	2.4161	0.0173		0.2186	0.2186		0.2186	0.2186	0.0000	3,131.1470	3,131.1470	0.0600	0.0574	3,150.2026
General Office Building	4.25556e+007	0.2295	2.0861	1.7523	0.0125		0.1585	0.1585		0.1585	0.1585	0.0000	2,270.9301	2,270.9301	0.0435	0.0416	2,284.7506
Golf Course	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
Government Office Building	5.08334e+007	0.2741	2.4918	2.0931	0.0150		0.1894	0.1894		0.1894	0.1894	0.0000	2,712.6617	2,712.6617	0.0520	0.0497	2,729.1705
High School	3.39887e+006	0.0183	0.1666	0.1400	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.3766	181.3766	3.4800e-003	3.3300e-003	182.4804
Junior High School	4.3475e+006	0.0234	0.2131	0.1790	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	231.9994	231.9994	4.4500e-003	4.2500e-003	233.4113
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Low Rise	2.503e+007	0.1350	1.1533	0.4908	7.3600e-003		0.0933	0.0933		0.0933	0.0933	0.0000	1,335.6977	1,335.6977	0.0256	0.0245	1,343.8265
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
Single Family Housing	7.49274e+008	4.0402	34.5254	14.6916	0.2204		2.7914	2.7914		2.7914	2.7914	0.0000	39,984.1036	39,984.1036	0.7664	0.7330	40,227.4402
<b>Total</b>		<b>5.1166</b>	<b>44.2368</b>	<b>22.3712</b>	<b>0.2791</b>		<b>3.5351</b>	<b>3.5351</b>		<b>3.5351</b>	<b>3.5351</b>	<b>0.0000</b>	<b>50,636.3161</b>	<b>50,636.3161</b>	<b>0.9705</b>	<b>0.9283</b>	<b>50,944.4803</b>

## 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					
Day-Care Center	1.20365e+006	6.4900e-003	0.0590	0.0496	3.5000e-004		4.4800e-003	4.4800e-003		4.4800e-003	4.4800e-003	0.0000	64.2315	64.2315	1.2300e-003	1.1800e-003	64.6224
Elementary School	1.35704e+007	0.0732	0.6652	0.5588	3.9900e-003		0.0506	0.0506		0.0506	0.0506	0.0000	724.1686	724.1686	0.0139	0.0133	728.5758
General Light Industry	5.86755e+007	0.3164	2.8763	2.4161	0.0173		0.2186	0.2186		0.2186	0.2186	0.0000	3,131.1470	3,131.1470	0.0600	0.0574	3,150.2026
General Office Building	4.25556e+007	0.2295	2.0861	1.7523	0.0125		0.1585	0.1585		0.1585	0.1585	0.0000	2,270.9301	2,270.9301	0.0435	0.0416	2,284.7506
Golf Course	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
Government Office Building	5.08334e+007	0.2741	2.4918	2.0931	0.0150		0.1894	0.1894		0.1894	0.1894	0.0000	2,712.6617	2,712.6617	0.0520	0.0497	2,729.1705
High School	3.39887e+006	0.0183	0.1666	0.1400	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.3766	181.3766	3.4800e-003	3.3300e-003	182.4804
Junior High School	4.3475e+006	0.0234	0.2131	0.1790	1.2800e-003		0.0162	0.0162		0.0162	0.0162	0.0000	231.9994	231.9994	4.4500e-003	4.2500e-003	233.4113
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	7.49274e+008	4.0402	34.5254	14.6916	0.2204		2.7914	2.7914		2.7914	2.7914	0.0000	39,984.1036	39,984.1036	0.7664	0.7330	40,227.4402
Apartments Low Rise	2.503e+007	0.1350	1.1533	0.4908	7.3600e-003		0.0933	0.0933		0.0933	0.0933	0.0000	1,335.6977	1,335.6977	0.0256	0.0245	1,343.8265
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
<b>Total</b>		<b>5.1166</b>	<b>44.2368</b>	<b>22.3712</b>	<b>0.2791</b>		<b>3.5351</b>	<b>3.5351</b>		<b>3.5351</b>	<b>3.5351</b>	<b>0.0000</b>	<b>50,636.3161</b>	<b>50,636.3161</b>	<b>0.9705</b>	<b>0.9283</b>	<b>50,944.4803</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	6.17662e+006	1,767.5432	0.0813	0.0168	1,774.4605
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	722804	206.8427	9.5100e-003	1.9700e-003	207.6521
Elementary School	8.14915e+006	2,332.0171	0.1072	0.0222	2,341.1435
General Light Industry	3.71611e+007	10,634.2868	0.4888	0.1011	10,675.9043
General Office Building	5.21341e+007	14,919.0415	0.6858	0.1419	14,977.4274
Golf Course	0	0.0000	0.0000	0.0000	0.0000
Government Office Building	6.2275e+007	17,821.0296	0.8192	0.1695	17,890.7726
High School	2.04105e+006	584.0811	0.0269	5.5500e-003	586.3670
Junior High School	2.61071e+006	747.1001	0.0343	7.1100e-003	750.0239
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.72418e+008	49,340.3010	2.2680	0.4692	49,533.3952
<b>Total</b>		<b>98,352.2431</b>	<b>4.5210</b>	<b>0.9354</b>	<b>98,737.1465</b>

## Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	6.17662e+006	1,767.5432	0.0813	0.0168	1,774.4605
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	722804	206.8427	9.5100e-003	1.9700e-003	207.6521
Elementary School	8.14915e+006	2,332.0171	0.1072	0.0222	2,341.1435
General Light Industry	3.71611e+007	10,634.2868	0.4888	0.1011	10,675.9043
General Office Building	5.21341e+007	14,919.0415	0.6858	0.1419	14,977.4274
Golf Course	0	0.0000	0.0000	0.0000	0.0000
Government Office Building	6.2275e+007	17,821.0296	0.8192	0.1695	17,890.7726
High School	2.04105e+006	584.0811	0.0269	5.5500e-003	586.3670
Junior High School	2.61071e+006	747.1001	0.0343	7.1100e-003	750.0239
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.72418e+008	49,340.3010	2.2680	0.4692	49,533.3952
<b>Total</b>		<b>98,352.2431</b>	<b>4.5210</b>	<b>0.9354</b>	<b>98,737.1465</b>

## 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	2,062.4369	23.2101	2,099.5163	0.7569		269.6918	269.6918		269.6839	269.6839	25,554.3406	11,025.4488	36,579.7895	23.8894	2.0100	37,704.5793
Unmitigated	2,062.4369	23.2101	2,099.5163	0.7569		269.6918	269.6918		269.6839	269.6839	25,554.3406	11,025.4488	36,579.7895	23.8894	2.0100	37,704.5793

### 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	140.5973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	363.7015					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1,552.2781	21.0603	1,912.2399	0.7469		268.6581	268.6581		268.6502	268.6502	25,554.3406	10,717.1178	36,271.4584	23.5824	2.0100	37,389.8021
Landscaping	5.8601	2.1498	187.2764	0.0100		1.0337	1.0337		1.0337	1.0337	0.0000	308.3311	308.3311	0.3070	0.0000	314.7772
Total	2,062.4369	23.2101	2,099.5163	0.7569		269.6918	269.6918		269.6839	269.6839	25,554.3406	11,025.4488	36,579.7895	23.8894	2.0100	37,704.5793

## 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	140.5973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	363.7015					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1,552.2781	21.0603	1,912.2399	0.7469		268.6581	268.6581		268.6502	268.6502	25,554.3406	10,717.1178	36,271.4584	23.5824	2.0100	37,389.8021
Landscaping	5.8601	2.1498	187.2764	0.0100		1.0337	1.0337		1.0337	1.0337	0.0000	308.3311	308.3311	0.3070	0.0000	314.7772
<b>Total</b>	<b>2,062.4369</b>	<b>23.2101</b>	<b>2,099.5163</b>	<b>0.7569</b>		<b>269.6918</b>	<b>269.6918</b>		<b>269.6839</b>	<b>269.6839</b>	<b>25,554.3406</b>	<b>11,025.4488</b>	<b>36,579.7895</b>	<b>23.8894</b>	<b>2.0100</b>	<b>37,704.5793</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	54.5066	0.7988	5.9700e-003	73.1317
Unmitigated	54.5066	0.7988	5.9700e-003	73.1338

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0.20379 / 0.027349	0.8752	0.0279	1.6000e-004	1.5124
City Park	0 / 7.41781	23.5836	1.0800e-003	2.2000e-004	23.6759
Day-Care Center	0.004237 / 0.00232	0.0238	5.8000e-004	0.0000	0.0370
Elementary School	0.047756 / 0.026141	0.2678	6.5400e-003	4.0000e-005	0.4174
General Light Industry	1.29358 / 0	5.2778	1.8000e-003	1.0400e-003	5.6383
General Office Building	1.14769 / 0.149739	4.9150	0.1572	9.3000e-004	8.5035
Golf Course	0 / 0.189572	0.6027	3.0000e-005	1.0000e-005	0.6051
Government Office Building	1.53235 / 0.199925	6.5623	0.2099	1.2400e-003	11.3535
High School	0.021735 / 0.011898	0.1219	2.9800e-003	2.0000e-005	0.1900
Junior High School	0.015298 / 0.008374	0.0858	2.1000e-003	1.0000e-005	0.1337
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.8388 / 0.38097	12.1909	0.3888	2.3000e-003	21.0671
<b>Total</b>		<b>54.5066</b>	<b>0.7988</b>	<b>5.9700e-003</b>	<b>73.1337</b>

## Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0.20379 / 0.027349	0.8752	0.0279	1.6000e-004	1.5123
City Park	0 / 7.41781	23.5836	1.0800e-003	2.2000e-004	23.6759
Day-Care Center	0.004237 / 0.00232	0.0238	5.8000e-004	0.0000	0.0370
Elementary School	0.047756 / 0.026141	0.2678	6.5400e-003	4.0000e-005	0.4174
General Light Industry	1.29358 / 0	5.2778	1.7900e-003	1.0400e-003	5.6375
General Office Building	1.14769 / 0.149739	4.9150	0.1572	9.3000e-004	8.5033
Golf Course	0 / 0.189572	0.6027	3.0000e-005	1.0000e-005	0.6051
Government Office Building	1.53235 / 0.199925	6.5623	0.2099	1.2400e-003	11.3532
High School	0.021735 / 0.011898	0.1219	2.9800e-003	2.0000e-005	0.1900
Junior High School	0.015298 / 0.008374	0.0858	2.1000e-003	1.0000e-005	0.1337
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.8388 / 0.38097	12.1909	0.3888	2.2900e-003	21.0665
<b>Total</b>		<b>54.5066</b>	<b>0.7988</b>	<b>5.9600e-003</b>	<b>73.1317</b>



## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

#### Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Unmitigated	15,585.376	921.0693	0.0000	34,927.83
	2			24
Mitigated	15,585.376	921.0693	0.0000	34,927.83
	2			24

### 8.2 Waste by Land Use

#### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1110.15	225.3504	13.3178	0.0000	505.0248
City Park	1940.68	393.9405	23.2812	0.0000	882.8461
Day-Care Center	246.14	49.9642	2.9528	0.0000	111.9730
Elementary School	2773.96	563.0888	33.2776	0.0000	1,261.9183
General Light Industry	5352.01	1,086.4097	64.2050	0.0000	2,434.7141
General Office Building	4633.65	940.5891	55.5872	0.0000	2,107.9207
Golf Course	536.33	108.8701	6.4340	0.0000	243.9850
Government Office Building	5534.96	1,123.5469	66.3997	0.0000	2,517.9409
High School	694.83	141.0442	8.3355	0.0000	316.0892
Junior High School	888.6	180.3778	10.6600	0.0000	404.2382
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	53067.4	10,772.194	636.6185	0.0000	24,141.1821
<b>Total</b>		<b>15,585.376</b>	<b>921.0694</b>	<b>0.0000</b>	<b>34,927.83</b>
		<b>1</b>			<b>24</b>

## Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	Mt/yr			
Apartments Low Rise	1110.15	225.3504	13.3178	0.0000	505.0248
City Park	1940.68	393.9405	23.2812	0.0000	882.8461
Day-Care Center	246.14	49.9642	2.9528	0.0000	111.9730
Elementary School	2773.96	563.0888	33.2776	0.0000	1,261.918 3
General Light Industry	5352.01	1,086.4097	64.2050	0.0000	2,434.714 1
General Office Building	4633.65	940.5891	55.5872	0.0000	2,107.920 7
Golf Course	536.33	108.8701	6.4340	0.0000	243.9850
Government Office Building	5534.96	1,123.5469	66.3997	0.0000	2,517.940 9
High School	694.83	141.0442	8.3355	0.0000	316.0892
Junior High School	888.6	180.3778	10.6600	0.0000	404.2382
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	53067.4	10,772.194 5	636.6185	0.0000	24,141.18 21
<b>Total</b>		<b>15,585.376 1</b>	<b>921.0694</b>	<b>0.0000</b>	<b>34,927.83 24</b>

## 9.0 Operational Offroad

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

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**Buildout\_Existing Uses**  
**Los Angeles-Mojave Desert 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	0.17	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	0.13	0.37		
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)	250.00
No	Use Low VOC Paint (Residential Exterior)	250.00
No	Use Low VOC Paint (Non-residential Interior)	250.00
No	Use Low VOC Paint (Non-residential Exterior)	250.00
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	

**Buildout\_New Uses**  
**Los Angeles-Mojave Desert County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	15,629.58	1000sqft	0.00	15,629,584.00	0
Day-Care Center	3,047.00	Student	0.00	335,876.00	0
Elementary School	34,352.00	Student	0.00	3,788,708.00	0
High School	8,604.00	Student	0.00	948,839.00	0
Junior High School	11,005.00	Student	0.00	1,213,936.00	0
General Light Industry	103,981.04	1000sqft	0.00	103,981,036.00	0
Other Non-Asphalt Surfaces	30,708.00	Acre	30,708.00	0.00	0
City Park	3,821.41	Acre	3,821.41	0.00	0
Apartments Low Rise	2,093.00	Dwelling Unit	0.00	3,911,117.00	7245
Single Family Housing	79,348.00	Dwelling Unit	0.00	266,423,552.00	304675

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2035
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	630.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided by the County. For modeling purposes, private/charter schools and elementary school land use information

Construction Phase - No construction component for modeling.

Off-road Equipment - No construction component.

Off-road Equipment -

Vehicle Trips - Trip generation rate and average trip distance based on information provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Energy Use -

Water And Wastewater - See Sections 5.17.1 and 5.17.2 of the Draft EIR. Otherwise noted, modeling assumes 40% of existing land uses use septic

Solid Waste - See Section 5.17.4 of the Draft EIR.

Area Mitigation - Per AVAQMD Rule 1113: Architectural Coatings

Energy Mitigation - Assumed that all buildings would be 25% more energy efficient under the 2013 Building Energy Efficiency Standards compared to the 2008 Standards

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	100
tblConstructionPhase	NumDays	10,000.00	10.00
tblLandUse	LandUseSquareFeet	15,629,600.00	15,629,584.00
tblLandUse	LandUseSquareFeet	172,225.08	335,876.00
tblLandUse	LandUseSquareFeet	2,871,942.97	3,788,708.00
tblLandUse	LandUseSquareFeet	1,141,415.05	948,839.00
tblLandUse	LandUseSquareFeet	1,293,766.33	1,213,936.00



tblLandUse	LandUseSquareFeet	103,981,000.00	103,981,036.00
tblLandUse	LandUseSquareFeet	1,337,640,480.00	0.00
tblLandUse	LandUseSquareFeet	166,460,619.60	0.00
tblLandUse	LandUseSquareFeet	2,093,000.00	3,911,117.00
tblLandUse	LandUseSquareFeet	142,826,400.00	266,423,552.00
tblLandUse	LotAcreage	358.81	0.00
tblLandUse	LotAcreage	3.95	0.00
tblLandUse	LotAcreage	65.93	0.00
tblLandUse	LotAcreage	26.20	0.00
tblLandUse	LotAcreage	29.70	0.00
tblLandUse	LotAcreage	2,387.08	0.00
tblLandUse	LotAcreage	130.81	0.00
tblLandUse	LotAcreage	25,762.34	0.00
tblLandUse	Population	5,986.00	7,245.00
tblLandUse	Population	226,935.00	304,675.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblSolidWaste	SolidWasteGenerationRate	962.78	881.00
tblSolidWaste	SolidWasteGenerationRate	328.64	301.00
tblSolidWaste	SolidWasteGenerationRate	556.08	509.00
tblSolidWaste	SolidWasteGenerationRate	6,269.24	5,734.00
tblSolidWaste	SolidWasteGenerationRate	128,936.44	117,925.00
tblSolidWaste	SolidWasteGenerationRate	14,535.53	13,294.00
tblSolidWaste	SolidWasteGenerationRate	1,570.23	1,436.00
tblSolidWaste	SolidWasteGenerationRate	2,008.41	1,837.00
tblSolidWaste	SolidWasteGenerationRate	124,916.75	114,249.00
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tblVehicleEF	HHD	0.01	2.0000e-003

tblVehicleEF	HHD	0.01	2.0000e-003
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tblVehicleEF	LDA	0.45	0.61
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tblVehicleEF	LDT1	0.07	0.10
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tblVehicleEF	LDT2	0.18	0.25
tblVehicleEF	LDT2	0.18	0.25
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tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00

tblVehicleTrips	CNW_TL	7.30	0.00
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tblVehicleTrips	CNW_TTP	5.00	0.00
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tblVehicleTrips	HW_TL	10.80	22.29
tblVehicleTrips	HW_TL	10.80	22.29
tblVehicleTrips	HW_TTP	40.20	100.00
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tblVehicleTrips	ST_TR	0.61	0.14
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tblWater	OutdoorWaterUseRate	85,970,736.81	157,693.00
tblWater	OutdoorWaterUseRate	4,553,138,744.41	8,351,697.00
tblWater	OutdoorWaterUseRate	18,994,266.72	34,841.00
tblWater	OutdoorWaterUseRate	214,142,123.52	392,794.00
tblWater	OutdoorWaterUseRate	1,702,588,398.88	3,123,003.00
tblWater	OutdoorWaterUseRate	97,457,852.16	178,764.00
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tblWater	OutdoorWaterUseRate	3,259,247,980.98	5,978,333.00
tblWater	SepticTankPercent	10.33	40.00
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tblWater	SepticTankPercent	10.33	40.00
tblWater	SepticTankPercent	10.33	40.00



## 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	136,434.98 81	1,768.4271	160,256.0 747	60.3288		21,608.67 27	21,608.67 27		21,608.04 03	21,608.040 3	2,261,757. 5225	960,692.5 758	3,222,450. 0983	2,098.862 7	177.9043	3,321,676. 5490
Energy	135.6051	1,194.1846	752.5455	7.3966		93.6908	93.6908		93.6908	93.6908		1,479,328. 0336	1,479,328. 0336	28.3538	27.1210	1,488,330. 9775
Mobile	1,588.7167	2,630.1691	26,195.38 76	102.3373	8,728.961 5	73.0064	8,801.967 9	2,316.209 4	67.6566	2,383.8660		6,500,837. 4923	6,500,837. 4923	293.3086		6,506,996. 9731
<b>Total</b>	<b>138,159.30 99</b>	<b>5,592.7808</b>	<b>187,204.0 078</b>	<b>170.0627</b>	<b>8,728.961 5</b>	<b>21,775.36 98</b>	<b>30,504.33 13</b>	<b>2,316.209 4</b>	<b>21,769.38 76</b>	<b>24,085.597 1</b>	<b>2,261,757. 5225</b>	<b>8,940,858. 1017</b>	<b>11,202,615 .6242</b>	<b>2,420.525 1</b>	<b>205.0253</b>	<b>11,317,00 4.4996</b>

#### 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	134,565.04 99	1,768.4271	160,256.0 747	60.3288		21,608.67 27	21,608.67 27		21,608.04 03	21,608.040 3	2,261,757. 5225	960,692.5 758	3,222,450. 0983	2,098.862 7	177.9043	3,321,676. 5490
Energy	108.6901	957.2554	603.8659	5.9286		75.0950	75.0950		75.0950	75.0950		1,185,709. 7227	1,185,709. 7227	22.7261	21.7380	1,192,925. 7545
Mobile	1,588.7167	2,630.1691	26,195.38 76	102.3373	8,728.961 5	73.0064	8,801.967 9	2,316.209 4	67.6566	2,383.8660		6,500,837. 4923	6,500,837. 4923	293.3086		6,506,996. 9731
<b>Total</b>	<b>136,262.45 66</b>	<b>5,355.8516</b>	<b>187,055.3 281</b>	<b>168.5946</b>	<b>8,728.961 5</b>	<b>21,756.77 40</b>	<b>30,485.73 55</b>	<b>2,316.209 4</b>	<b>21,750.79 18</b>	<b>24,067.001 2</b>	<b>2,261,757. 5225</b>	<b>8,647,239. 7908</b>	<b>10,908,997 .3133</b>	<b>2,414.897 5</b>	<b>199.6423</b>	<b>11,021,59 9.2765</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>1.37</b>	<b>4.24</b>	<b>0.08</b>	<b>0.86</b>	<b>0.00</b>	<b>0.09</b>	<b>0.06</b>	<b>0.00</b>	<b>0.09</b>	<b>0.08</b>	<b>0.00</b>	<b>3.28</b>	<b>2.62</b>	<b>0.23</b>	<b>2.63</b>	<b>2.61</b>

## 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	1,588.7167	2,630.1691	26,195.3876	102.3373	8,728.9615	73.0064	8,801.9679	2,316.2094	67.6566	2,383.8660		6,500,837.4923	6,500,837.4923	293.3086		6,506,996.9731
Unmitigated	1,588.7167	2,630.1691	26,195.3876	102.3373	8,728.9615	73.0064	8,801.9679	2,316.2094	67.6566	2,383.8660		6,500,837.4923	6,500,837.4923	293.3086		6,506,996.9731

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	5,085.99	5,085.99	5085.99	41,265,485	41,265,485
City Park	0.00	0.00	0.00		
Day-Care Center	426.58	426.58	426.58	3,461,082	3,461,082
Elementary School	4,809.28	4,809.28	4809.28	39,020,382	39,020,382
General Light Industry	135,175.35	135,175.35	135175.35	1,096,753,329	1,096,753,329
General Office Building	20,318.45	20,318.45	20318.45	164,854,996	164,854,996
High School	1,204.56	1,204.56	1204.56	9,773,270	9,773,270
Junior High School	1,540.70	1,540.70	1540.70	12,500,562	12,500,562
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	345,957.28	345,957.28	345957.28	2,806,945,149	2,806,945,149
Total	514,518.20	514,518.20	514,518.20	4,174,574,254	4,174,574,254

### 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	22.29	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Day-Care Center	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Elementary School	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
General Light Industry	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
High School	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Junior High School	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	22.29	0.00	0.00	100.00	0.00	0.00	100	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.611152	0.099452	0.250731	0.007405	0.012959	0.002042	0.000906	0.002000	0.000197	0.000202	0.011277	0.000103	0.001572

### 5.0 Energy Detail

#### 4.4 Fleet Mix

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	108.6901	957.2554	603.8659	5.9286		75.0950	75.0950		75.0950	75.0950		1,185,709.7227	1,185,709.7227	22.7261	21.7380	1,192,925.7545
NaturalGas Unmitigated	135.6051	1,194.1846	752.5455	7.3966		93.6908	93.6908		93.6908	93.6908		1,479,328.0336	1,479,328.0336	28.3538	27.1210	1,488,330.9775

## 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	81606.2	0.8801	7.5206	3.2002	0.0480		0.6081	0.6081		0.6081	0.6081		9,600.7276	9,600.7276	0.1840	0.1760	9,659.1560
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
Day-Care Center	10021.1	0.1081	0.9825	0.8253	5.8900e-003		0.0747	0.0747		0.0747	0.0747		1,178.9491	1,178.9491	0.0226	0.0216	1,186.1240
Elementary School	113038	1.2190	11.0822	9.3091	0.0665		0.8423	0.8423		0.8423	0.8423		13,298.6399	13,298.6399	0.2549	0.2438	13,379.5732
General Light Industry	5.35858e+006	57.7887	525.3514	441.2952	3.1521		39.9267	39.9267		39.9267	39.9267		630,421.6881	630,421.6881	12.0831	11.5577	634,258.3294
General Office Building	468031	5.0474	45.8854	38.5437	0.2753		3.4873	3.4873		3.4873	3.4873		55,062.4829	55,062.4829	1.0554	1.0095	55,397.5840
High School	28309.2	0.3053	2.7754	2.3314	0.0167		0.2109	0.2109		0.2109	0.2109		3,330.4937	3,330.4937	0.0638	0.0611	3,350.7625
Junior High School	36218.5	0.3906	3.5508	2.9827	0.0213		0.2699	0.2699		0.2699	0.2699		4,261.0034	4,261.0034	0.0817	0.0781	4,286.9352
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
Single Family Housing	6.47848e+006	69.8660	597.0363	254.0580	3.8109		48.2710	48.2710		48.2710	48.2710		762,174.0490	762,174.0490	14.6083	13.9732	766,812.5133
<b>Total</b>		<b>135.6051</b>	<b>1,194.1846</b>	<b>752.5455</b>	<b>7.3966</b>		<b>93.6908</b>	<b>93.6908</b>		<b>93.6908</b>	<b>93.6908</b>		<b>1,479,328.0336</b>	<b>1,479,328.0336</b>	<b>28.3538</b>	<b>27.1210</b>	<b>1,488,330.9775</b>

## 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					
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
Day-Care Center	7.76426	0.0837	0.7612	0.6394	4.5700e-003		0.0579	0.0579		0.0579	0.0579		913.4420	913.4420	0.0175	0.0168	919.0010
Elementary School	87.5814	0.9445	8.5864	7.2126	0.0515		0.6526	0.6526		0.6526	0.6526		10,303.6982	10,303.6982	0.1975	0.1889	10,366.4048
General Light Industry	4335.87	46.7594	425.0850	357.0714	2.5505		32.3065	32.3065		32.3065	32.3065		510,101.9719	510,101.9719	9.7770	9.3519	513,206.3675
General Office Building	355.198	3.8306	34.8234	29.2516	0.2089		2.6466	2.6466		2.6466	2.6466		41,788.0417	41,788.0417	0.8009	0.7661	42,042.3567
High School	21.9338	0.2365	2.1504	1.8063	0.0129		0.1634	0.1634		0.1634	0.1634		2,580.4445	2,580.4445	0.0495	0.0473	2,596.1487
Apartments Low Rise	64.9551	0.7005	5.9861	2.5473	0.0382		0.4840	0.4840		0.4840	0.4840		7,641.7707	7,641.7707	0.1465	0.1401	7,688.2772
Junior High School	28.0619	0.3026	2.7512	2.3110	0.0165		0.2091	0.2091		0.2091	0.2091		3,301.3973	3,301.3973	0.0633	0.0605	3,321.4890
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
Single Family Housing	5177.17	55.8322	477.1119	203.0263	3.0454		38.5750	38.5750		38.5750	38.5750		609,078.9565	609,078.9565	11.6740	11.1665	612,785.7095
<b>Total</b>		<b>108.6901</b>	<b>957.2554</b>	<b>603.8659</b>	<b>5.9286</b>		<b>75.0950</b>	<b>75.0950</b>		<b>75.0950</b>	<b>75.0950</b>		<b>1,185,709.7227</b>	<b>1,185,709.7227</b>	<b>22.7261</b>	<b>21.7380</b>	<b>1,192,925.7545</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	134,565.04 99	1,768.4271	160,256.0 747	60.3288		21,608.67 27	21,608.67 27		21,608.04 03	21,608.040 3	2,261,757. 5225	960,692.5 758	3,222,450. 0983	2,098.862 7	177.9043	3,321,676. 5490
Unmitigated	136,434.98 81	1,768.4271	160,256.0 747	60.3288		21,608.67 27	21,608.67 27		21,608.04 03	21,608.040 3	2,261,757. 5225	960,692.5 758	3,222,450. 0983	2,098.862 7	177.9043	3,321,676. 5490

### 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	3,116.5637					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8,479.3787					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	124,636.89 63	1,690.9893	153,539.2 705	59.9724		21,571.33 63	21,571.33 63		21,570.70 40	21,570.704 0	2,261,757. 5225	948,548.1 177	3,210,305. 6402	2,087.226 9	177.9043	3,309,287. 7373
Landscaping	202.1495	77.4378	6,716.804 2	0.3564		37.3363	37.3363		37.3363	37.3363		12,144.45 81	12,144.458 1	11.6359		12,388.81 17
Total	136,434.98 81	1,768.4271	160,256.0 747	60.3288		21,608.67 27	21,608.67 27		21,608.04 03	21,608.040 3	2,261,757. 5225	960,692.5 758	3,222,450. 0983	2,098.862 7	177.9043	3,321,676. 5490

**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	1,246.6255					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8,479.3787					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	124,636.8963	1,690.9893	153,539.2705	59.9724		21,571.3363	21,571.3363		21,570.7040	21,570.7040	2,261,757.5225	948,548.1177	3,210,305.6402	2,087.2269	177.9043	3,309,287.7373
Landscaping	202.1495	77.4378	6,716.8042	0.3564		37.3363	37.3363		37.3363	37.3363		12,144.4581	12,144.4581	11.6359		12,388.8117
Total	134,565.0499	1,768.4271	160,256.0747	60.3288		21,608.6727	21,608.6727		21,608.0403	21,608.0403	2,261,757.5225	960,692.5758	3,222,450.0983	2,098.8627	177.9043	3,321,676.5490

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

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

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**Buildout\_New Uses**  
**Los Angeles-Mojave Desert County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	15,629.58	1000sqft	0.00	15,629,584.00	0
Day-Care Center	3,047.00	Student	0.00	335,876.00	0
Elementary School	34,352.00	Student	0.00	3,788,708.00	0
High School	8,604.00	Student	0.00	948,839.00	0
Junior High School	11,005.00	Student	0.00	1,213,936.00	0
General Light Industry	103,981.04	1000sqft	0.00	103,981,036.00	0
Other Non-Asphalt Surfaces	30,708.00	Acre	30,708.00	0.00	0
City Park	3,821.41	Acre	3,821.41	0.00	0
Apartments Low Rise	2,093.00	Dwelling Unit	0.00	3,911,117.00	7245
Single Family Housing	79,348.00	Dwelling Unit	0.00	266,423,552.00	304675

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2035
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	630.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

### 1.3 User Entered Comments & Non-Default Data



Project Characteristics -

Land Use - Based on information provided by the County. For modeling purposes, private/charter schools and elementary school land use information

Construction Phase - No construction component for modeling.

Off-road Equipment - No construction component.

Off-road Equipment -

Vehicle Trips - Trip generation rate and average trip distance based on information provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Energy Use -

Water And Wastewater - See Sections 5.17.1 and 5.17.2 of the Draft EIR. Otherwise noted, modeling assumes 40% of existing land uses use septic

Solid Waste - See Section 5.17.4 of the Draft EIR.

Area Mitigation - Per AVAQMD Rule 1113: Architectural Coatings

Energy Mitigation - Assumed that all buildings would be 25% more energy efficient under the 2013 Building Energy Efficiency Standards compared to the 2008 Standards

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	100
tblConstructionPhase	NumDays	10,000.00	10.00
tblLandUse	LandUseSquareFeet	15,629,600.00	15,629,584.00
tblLandUse	LandUseSquareFeet	172,225.08	335,876.00
tblLandUse	LandUseSquareFeet	2,871,942.97	3,788,708.00
tblLandUse	LandUseSquareFeet	1,141,415.05	948,839.00
tblLandUse	LandUseSquareFeet	1,293,766.33	1,213,936.00

tblLandUse	LandUseSquareFeet	103,981,000.00	103,981,036.00
tblLandUse	LandUseSquareFeet	1,337,640,480.00	0.00
tblLandUse	LandUseSquareFeet	166,460,619.60	0.00
tblLandUse	LandUseSquareFeet	2,093,000.00	3,911,117.00
tblLandUse	LandUseSquareFeet	142,826,400.00	266,423,552.00
tblLandUse	LotAcreage	358.81	0.00
tblLandUse	LotAcreage	3.95	0.00
tblLandUse	LotAcreage	65.93	0.00
tblLandUse	LotAcreage	26.20	0.00
tblLandUse	LotAcreage	29.70	0.00
tblLandUse	LotAcreage	2,387.08	0.00
tblLandUse	LotAcreage	130.81	0.00
tblLandUse	LotAcreage	25,762.34	0.00
tblLandUse	Population	5,986.00	7,245.00
tblLandUse	Population	226,935.00	304,675.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblSolidWaste	SolidWasteGenerationRate	962.78	881.00
tblSolidWaste	SolidWasteGenerationRate	328.64	301.00
tblSolidWaste	SolidWasteGenerationRate	556.08	509.00
tblSolidWaste	SolidWasteGenerationRate	6,269.24	5,734.00
tblSolidWaste	SolidWasteGenerationRate	128,936.44	117,925.00
tblSolidWaste	SolidWasteGenerationRate	14,535.53	13,294.00
tblSolidWaste	SolidWasteGenerationRate	1,570.23	1,436.00
tblSolidWaste	SolidWasteGenerationRate	2,008.41	1,837.00
tblSolidWaste	SolidWasteGenerationRate	124,916.75	114,249.00
tblVehicleEF	HHD	0.01	2.0000e-003
tblVehicleEF	HHD	0.01	2.0000e-003

tblVehicleEF	HHD	0.01	2.0000e-003
tblVehicleEF	LDA	0.45	0.61
tblVehicleEF	LDA	0.45	0.61
tblVehicleEF	LDA	0.45	0.61
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT1	0.07	0.10
tblVehicleEF	LDT2	0.18	0.25
tblVehicleEF	LDT2	0.18	0.25
tblVehicleEF	LDT2	0.18	0.25
tblVehicleEF	LHD1	0.08	0.01
tblVehicleEF	LHD1	0.08	0.01
tblVehicleEF	LHD1	0.08	0.01
tblVehicleEF	LHD2	0.01	2.0420e-003
tblVehicleEF	LHD2	0.01	2.0420e-003
tblVehicleEF	LHD2	0.01	2.0420e-003
tblVehicleEF	MCY	8.2250e-003	0.01
tblVehicleEF	MCY	8.2250e-003	0.01
tblVehicleEF	MCY	8.2250e-003	0.01
tblVehicleEF	MDV	0.17	7.4050e-003
tblVehicleEF	MDV	0.17	7.4050e-003
tblVehicleEF	MDV	0.17	7.4050e-003
tblVehicleEF	MH	9.3730e-003	1.5720e-003
tblVehicleEF	MH	9.3730e-003	1.5720e-003
tblVehicleEF	MH	9.3730e-003	1.5720e-003
tblVehicleEF	MHD	5.4020e-003	9.0600e-004
tblVehicleEF	MHD	5.4020e-003	9.0600e-004

tblVehicleEF	MHD	5.4020e-003	9.0600e-004
tblVehicleEF	OBUS	1.1770e-003	1.9700e-004
tblVehicleEF	OBUS	1.1770e-003	1.9700e-004
tblVehicleEF	OBUS	1.1770e-003	1.9700e-004
tblVehicleEF	SBUS	6.1300e-004	1.0300e-004
tblVehicleEF	SBUS	6.1300e-004	1.0300e-004
tblVehicleEF	SBUS	6.1300e-004	1.0300e-004
tblVehicleEF	UBUS	1.2070e-003	2.0200e-004
tblVehicleEF	UBUS	1.2070e-003	2.0200e-004
tblVehicleEF	UBUS	1.2070e-003	2.0200e-004
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TL	7.30	22.29
tblVehicleTrips	CC_TTP	82.30	100.00
tblVehicleTrips	CC_TTP	30.00	100.00
tblVehicleTrips	CC_TTP	28.00	100.00
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	17.20	100.00
tblVehicleTrips	CC_TTP	22.20	100.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00

tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CNW_TTP	5.00	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TTP	12.70	0.00
tblVehicleTrips	CW_TTP	65.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	77.80	0.00
tblVehicleTrips	CW_TTP	72.80	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	58.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00

tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TL	7.50	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TL	7.30	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	10.80	22.29
tblVehicleTrips	HW_TL	10.80	22.29
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	14.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	28.00	100.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	75.00	100.00
tblVehicleTrips	PR_TP	63.00	100.00

tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	7.16	2.43
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	0.39	0.14
tblVehicleTrips	ST_TR	0.00	0.14
tblVehicleTrips	ST_TR	1.32	1.30
tblVehicleTrips	ST_TR	2.37	1.30
tblVehicleTrips	ST_TR	0.61	0.14
tblVehicleTrips	ST_TR	0.00	0.14
tblVehicleTrips	ST_TR	10.08	4.36
tblVehicleTrips	SU_TR	6.07	2.43
tblVehicleTrips	SU_TR	1.59	0.00
tblVehicleTrips	SU_TR	0.37	0.14
tblVehicleTrips	SU_TR	0.00	0.14
tblVehicleTrips	SU_TR	0.68	1.30
tblVehicleTrips	SU_TR	0.98	1.30
tblVehicleTrips	SU_TR	0.25	0.14
tblVehicleTrips	SU_TR	0.00	0.14
tblVehicleTrips	SU_TR	8.77	4.36
tblVehicleTrips	WD_TR	6.59	2.43
tblVehicleTrips	WD_TR	1.59	0.00
tblVehicleTrips	WD_TR	4.48	0.14
tblVehicleTrips	WD_TR	1.29	0.14
tblVehicleTrips	WD_TR	6.97	1.30
tblVehicleTrips	WD_TR	11.01	1.30
tblVehicleTrips	WD_TR	1.71	0.14
tblVehicleTrips	WD_TR	1.62	0.14





tblWater	OutdoorWaterUseRate	85,970,736.81	157,693.00
tblWater	OutdoorWaterUseRate	4,553,138,744.41	8,351,697.00
tblWater	OutdoorWaterUseRate	18,994,266.72	34,841.00
tblWater	OutdoorWaterUseRate	214,142,123.52	392,794.00
tblWater	OutdoorWaterUseRate	1,702,588,398.88	3,123,003.00
tblWater	OutdoorWaterUseRate	97,457,852.16	178,764.00
tblWater	OutdoorWaterUseRate	68,602,528.80	125,835.00
tblWater	OutdoorWaterUseRate	3,259,247,980.98	5,978,333.00
tblWater	SepticTankPercent	10.33	40.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	40.00
tblWater	SepticTankPercent	10.33	40.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	40.00
tblWater	SepticTankPercent	10.33	40.00
tblWater	SepticTankPercent	10.33	40.00
tblWater	SepticTankPercent	10.33	40.00

## 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	136,434.98 81	1,768.4271	160,256.0 747	60.3288		21,608.67 27	21,608.67 27		21,608.04 03	21,608.040 3	2,261,757. 5225	960,692.5 758	3,222,450. 0983	2,098.862 7	177.9043	3,321,676. 5490
Energy	135.6051	1,194.1846	752.5455	7.3966		93.6908	93.6908		93.6908	93.6908		1,479,328. 0336	1,479,328. 0336	28.3538	27.1210	1,488,330. 9775
Mobile	1,716.2005	2,487.7374	32,559.65 34	115.9851	8,728.961 5	72.9948	8,801.956 3	2,316.209 4	67.6459	2,383.8553		7,348,135. 0282	7,348,135. 0282	293.2976		7,354,294. 2780
<b>Total</b>	<b>138,286.79 37</b>	<b>5,450.3491</b>	<b>193,568.2 736</b>	<b>183.7106</b>	<b>8,728.961 5</b>	<b>21,775.35 82</b>	<b>30,504.31 97</b>	<b>2,316.209 4</b>	<b>21,769.37 70</b>	<b>24,085.586 4</b>	<b>2,261,757. 5225</b>	<b>9,788,155. 6376</b>	<b>12,049,913 .1602</b>	<b>2,420.514 1</b>	<b>205.0253</b>	<b>12,164,30 1.8045</b>

#### 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	134,565.04 99	1,768.4271	160,256.0 747	60.3288		21,608.67 27	21,608.67 27		21,608.04 03	21,608.040 3	2,261,757. 5225	960,692.5 758	3,222,450. 0983	2,098.862 7	177.9043	3,321,676. 5490
Energy	108.6901	957.2554	603.8659	5.9286		75.0950	75.0950		75.0950	75.0950		1,185,709. 7227	1,185,709. 7227	22.7261	21.7380	1,192,925. 7545
Mobile	1,716.2005	2,487.7374	32,559.65 34	115.9851	8,728.961 5	72.9948	8,801.956 3	2,316.209 4	67.6459	2,383.8553		7,348,135. 0282	7,348,135. 0282	293.2976		7,354,294. 2780
<b>Total</b>	<b>136,389.94 05</b>	<b>5,213.4199</b>	<b>193,419.5 940</b>	<b>182.2425</b>	<b>8,728.961 5</b>	<b>21,756.76 24</b>	<b>30,485.72 39</b>	<b>2,316.209 4</b>	<b>21,750.78 11</b>	<b>24,066.990 6</b>	<b>2,261,757. 5225</b>	<b>9,494,537. 3267</b>	<b>11,756,294 .8492</b>	<b>2,414.886 5</b>	<b>199.6423</b>	<b>11,868,89 6.5814</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>1.37</b>	<b>4.35</b>	<b>0.08</b>	<b>0.80</b>	<b>0.00</b>	<b>0.09</b>	<b>0.06</b>	<b>0.00</b>	<b>0.09</b>	<b>0.08</b>	<b>0.00</b>	<b>3.00</b>	<b>2.44</b>	<b>0.23</b>	<b>2.63</b>	<b>2.43</b>

## 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	1,716.2005	2,487.7374	32,559.6534	115.9851	8,728.9615	72.9948	8,801.9563	2,316.2094	67.6459	2,383.8553		7,348,135.0282	7,348,135.0282	293.2976		7,354,294.2780
Unmitigated	1,716.2005	2,487.7374	32,559.6534	115.9851	8,728.9615	72.9948	8,801.9563	2,316.2094	67.6459	2,383.8553		7,348,135.0282	7,348,135.0282	293.2976		7,354,294.2780

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	5,085.99	5,085.99	5085.99	41,265,485	41,265,485
City Park	0.00	0.00	0.00		
Day-Care Center	426.58	426.58	426.58	3,461,082	3,461,082
Elementary School	4,809.28	4,809.28	4809.28	39,020,382	39,020,382
General Light Industry	135,175.35	135,175.35	135175.35	1,096,753,329	1,096,753,329
General Office Building	20,318.45	20,318.45	20318.45	164,854,996	164,854,996
High School	1,204.56	1,204.56	1204.56	9,773,270	9,773,270
Junior High School	1,540.70	1,540.70	1540.70	12,500,562	12,500,562
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	345,957.28	345,957.28	345957.28	2,806,945,149	2,806,945,149
Total	514,518.20	514,518.20	514,518.20	4,174,574,254	4,174,574,254

#### 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	22.29	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Day-Care Center	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Elementary School	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
General Light Industry	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
High School	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Junior High School	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	22.29	0.00	0.00	100.00	0.00	0.00	100	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.611152	0.099452	0.250731	0.007405	0.012959	0.002042	0.000906	0.002000	0.000197	0.000202	0.011277	0.000103	0.001572

5.0 Energy Detail

4.4 Fleet Mix

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	108.6901	957.2554	603.8659	5.9286		75.0950	75.0950		75.0950	75.0950		1,185,709.7227	1,185,709.7227	22.7261	21.7380	1,192,925.7545
NaturalGas Unmitigated	135.6051	1,194.1846	752.5455	7.3966		93.6908	93.6908		93.6908	93.6908		1,479,328.0336	1,479,328.0336	28.3538	27.1210	1,488,330.9775

## 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					
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
Day-Care Center	10021.1	0.1081	0.9825	0.8253	5.8900e-003		0.0747	0.0747		0.0747	0.0747		1,178.9491	1,178.9491	0.0226	0.0216	1,186.1240
Elementary School	113038	1.2190	11.0822	9.3091	0.0665		0.8423	0.8423		0.8423	0.8423		13,298.6399	13,298.6399	0.2549	0.2438	13,379.5732
General Light Industry	5.35858e+006	57.7887	525.3514	441.2952	3.1521		39.9267	39.9267		39.9267	39.9267		630,421.6881	630,421.6881	12.0831	11.5577	634,258.3294
General Office Building	468031	5.0474	45.8854	38.5437	0.2753		3.4873	3.4873		3.4873	3.4873		55,062.4829	55,062.4829	1.0554	1.0095	55,397.5840
High School	28309.2	0.3053	2.7754	2.3314	0.0167		0.2109	0.2109		0.2109	0.2109		3,330.4937	3,330.4937	0.0638	0.0611	3,350.7625
Apartments Low Rise	81606.2	0.8801	7.5206	3.2002	0.0480		0.6081	0.6081		0.6081	0.6081		9,600.7276	9,600.7276	0.1840	0.1760	9,659.1560
Junior High School	36218.5	0.3906	3.5508	2.9827	0.0213		0.2699	0.2699		0.2699	0.2699		4,261.0034	4,261.0034	0.0817	0.0781	4,286.9352
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
Single Family Housing	6.47848e+006	69.8660	597.0363	254.0580	3.8109		48.2710	48.2710		48.2710	48.2710		762,174.0490	762,174.0490	14.6083	13.9732	766,812.5133
<b>Total</b>		<b>135.6051</b>	<b>1,194.1846</b>	<b>752.5455</b>	<b>7.3966</b>		<b>93.6908</b>	<b>93.6908</b>		<b>93.6908</b>	<b>93.6908</b>		<b>1,479,328.0336</b>	<b>1,479,328.0336</b>	<b>28.3538</b>	<b>27.1210</b>	<b>1,488,330.9775</b>

# 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					
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
Day-Care Center	7.76426	0.0837	0.7612	0.6394	4.5700e-003		0.0579	0.0579		0.0579	0.0579		913.4420	913.4420	0.0175	0.0168	919.0010
Elementary School	87.5814	0.9445	8.5864	7.2126	0.0515		0.6526	0.6526		0.6526	0.6526		10,303.6982	10,303.6982	0.1975	0.1889	10,366.4048
General Light Industry	4335.87	46.7594	425.0850	357.0714	2.5505		32.3065	32.3065		32.3065	32.3065		510,101.9719	510,101.9719	9.7770	9.3519	513,206.3675
General Office Building	355.198	3.8306	34.8234	29.2516	0.2089		2.6466	2.6466		2.6466	2.6466		41,788.0417	41,788.0417	0.8009	0.7661	42,042.3567
High School	21.9338	0.2365	2.1504	1.8063	0.0129		0.1634	0.1634		0.1634	0.1634		2,580.4445	2,580.4445	0.0495	0.0473	2,596.1487
Apartments Low Rise	64.9551	0.7005	5.9861	2.5473	0.0382		0.4840	0.4840		0.4840	0.4840		7,641.7707	7,641.7707	0.1465	0.1401	7,688.2772
Junior High School	28.0619	0.3026	2.7512	2.3110	0.0165		0.2091	0.2091		0.2091	0.2091		3,301.3973	3,301.3973	0.0633	0.0605	3,321.4890
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
Single Family Housing	5177.17	55.8322	477.1119	203.0263	3.0454		38.5750	38.5750		38.5750	38.5750		609,078.9565	609,078.9565	11.6740	11.1665	612,785.7095
<b>Total</b>		<b>108.6901</b>	<b>957.2554</b>	<b>603.8659</b>	<b>5.9286</b>		<b>75.0950</b>	<b>75.0950</b>		<b>75.0950</b>	<b>75.0950</b>		<b>1,185,709.7227</b>	<b>1,185,709.7227</b>	<b>22.7261</b>	<b>21.7380</b>	<b>1,192,925.7545</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	134,565.04 99	1,768.4271	160,256.0 747	60.3288		21,608.67 27	21,608.67 27		21,608.04 03	21,608.040 3	2,261,757. 5225	960,692.5 758	3,222,450. 0983	2,098.862 7	177.9043	3,321,676. 5490
Unmitigated	136,434.98 81	1,768.4271	160,256.0 747	60.3288		21,608.67 27	21,608.67 27		21,608.04 03	21,608.040 3	2,261,757. 5225	960,692.5 758	3,222,450. 0983	2,098.862 7	177.9043	3,321,676. 5490

### 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	3,116.5637					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8,479.3787					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	124,636.89 63	1,690.9893	153,539.2 705	59.9724		21,571.33 63	21,571.33 63		21,570.70 40	21,570.704 0	2,261,757. 5225	948,548.1 177	3,210,305. 6402	2,087.226 9	177.9043	3,309,287. 7373
Landscaping	202.1495	77.4378	6,716.804 2	0.3564		37.3363	37.3363		37.3363	37.3363		12,144.45 81	12,144.458 1	11.6359		12,388.81 17
<b>Total</b>	<b>136,434.98 81</b>	<b>1,768.4271</b>	<b>160,256.0 747</b>	<b>60.3288</b>		<b>21,608.67 27</b>	<b>21,608.67 27</b>		<b>21,608.04 03</b>	<b>21,608.040 3</b>	<b>2,261,757. 5225</b>	<b>960,692.5 758</b>	<b>3,222,450. 0983</b>	<b>2,098.862 7</b>	<b>177.9043</b>	<b>3,321,676. 5490</b>



## 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	1,246.6255					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8,479.3787					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	124,636.8963	1,690.9893	153,539.2705	59.9724		21,571.3363	21,571.3363		21,570.7040	21,570.7040	2,261,757.5225	948,548.1177	3,210,305.6402	2,087.2269	177.9043	3,309,287.7373
Landscaping	202.1495	77.4378	6,716.8042	0.3564		37.3363	37.3363		37.3363	37.3363		12,144.4581	12,144.4581	11.6359		12,388.8117
<b>Total</b>	<b>134,565.0499</b>	<b>1,768.4271</b>	<b>160,256.0747</b>	<b>60.3288</b>		<b>21,608.6727</b>	<b>21,608.6727</b>		<b>21,608.0403</b>	<b>21,608.0403</b>	<b>2,261,757.5225</b>	<b>960,692.5758</b>	<b>3,222,450.0983</b>	<b>2,098.8627</b>	<b>177.9043</b>	<b>3,321,676.5490</b>

## 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**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Buildout\_New Uses**  
**Los Angeles-Mojave Desert County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	15,629.58	1000sqft	0.00	15,629,584.00	0
Day-Care Center	3,047.00	Student	0.00	335,876.00	0
Elementary School	34,352.00	Student	0.00	3,788,708.00	0
High School	8,604.00	Student	0.00	948,839.00	0
Junior High School	11,005.00	Student	0.00	1,213,936.00	0
General Light Industry	103,981.04	1000sqft	0.00	103,981,036.00	0
Other Non-Asphalt Surfaces	30,708.00	Acre	30,708.00	0.00	0
City Park	3,821.41	Acre	3,821.41	0.00	0
Apartments Low Rise	2,093.00	Dwelling Unit	0.00	3,911,117.00	7245
Single Family Housing	79,348.00	Dwelling Unit	0.00	266,423,552.00	304675

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2035
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	630.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Based on information provided by the County. For modeling purposes, private/charter schools and elementary school land use information

Construction Phase - No construction component for modeling.

Off-road Equipment - No construction component.

Off-road Equipment -

Vehicle Trips - Trip generation rate and average trip distance based on information provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Vehicle Emission Factors - Based on fleet mix data provided by Fehr & Peers.

Energy Use -

Water And Wastewater - See Sections 5.17.1 and 5.17.2 of the Draft EIR. Otherwise noted, modeling assumes 40% of existing land uses use septic

Solid Waste - See Section 5.17.4 of the Draft EIR.

Area Mitigation - Per AVAQMD Rule 1113: Architectural Coatings

Energy Mitigation - Assumed that all buildings would be 25% more energy efficient under the 2013 Building Energy Efficiency Standards compared to the 2008 Standards

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	100
tblConstructionPhase	NumDays	10,000.00	10.00
tblLandUse	LandUseSquareFeet	15,629,600.00	15,629,584.00
tblLandUse	LandUseSquareFeet	172,225.08	335,876.00
tblLandUse	LandUseSquareFeet	2,871,942.97	3,788,708.00
tblLandUse	LandUseSquareFeet	1,141,415.05	948,839.00
tblLandUse	LandUseSquareFeet	1,293,766.33	1,213,936.00

tblLandUse	LandUseSquareFeet	103,981,000.00	103,981,036.00
tblLandUse	LandUseSquareFeet	1,337,640,480.00	0.00
tblLandUse	LandUseSquareFeet	166,460,619.60	0.00
tblLandUse	LandUseSquareFeet	2,093,000.00	3,911,117.00
tblLandUse	LandUseSquareFeet	142,826,400.00	266,423,552.00
tblLandUse	LotAcreage	358.81	0.00
tblLandUse	LotAcreage	3.95	0.00
tblLandUse	LotAcreage	65.93	0.00
tblLandUse	LotAcreage	26.20	0.00
tblLandUse	LotAcreage	29.70	0.00
tblLandUse	LotAcreage	2,387.08	0.00
tblLandUse	LotAcreage	130.81	0.00
tblLandUse	LotAcreage	25,762.34	0.00
tblLandUse	Population	5,986.00	7,245.00
tblLandUse	Population	226,935.00	304,675.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblSolidWaste	SolidWasteGenerationRate	962.78	881.00
tblSolidWaste	SolidWasteGenerationRate	328.64	301.00
tblSolidWaste	SolidWasteGenerationRate	556.08	509.00
tblSolidWaste	SolidWasteGenerationRate	6,269.24	5,734.00
tblSolidWaste	SolidWasteGenerationRate	128,936.44	117,925.00
tblSolidWaste	SolidWasteGenerationRate	14,535.53	13,294.00
tblSolidWaste	SolidWasteGenerationRate	1,570.23	1,436.00
tblSolidWaste	SolidWasteGenerationRate	2,008.41	1,837.00
tblSolidWaste	SolidWasteGenerationRate	124,916.75	114,249.00
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tblVehicleEF	HHD	0.01	2.0000e-003

tblVehicleEF	HHD	0.01	2.0000e-003
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tblVehicleEF	LDA	0.45	0.61
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tblVehicleTrips	CNW_TL	7.30	0.00
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tblVehicleTrips	CNW_TL	7.30	0.00

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tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
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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
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tblWater	IndoorWaterUseRate	2,777,907,387.64	2,039,737.00
tblWater	IndoorWaterUseRate	37,900,275.84	27,829.00
tblWater	IndoorWaterUseRate	26,678,761.20	19,589.00
tblWater	IndoorWaterUseRate	5,169,841,625.01	3,796,066.00

tblWater	OutdoorWaterUseRate	85,970,736.81	157,693.00
tblWater	OutdoorWaterUseRate	4,553,138,744.41	8,351,697.00
tblWater	OutdoorWaterUseRate	18,994,266.72	34,841.00
tblWater	OutdoorWaterUseRate	214,142,123.52	392,794.00
tblWater	OutdoorWaterUseRate	1,702,588,398.88	3,123,003.00
tblWater	OutdoorWaterUseRate	97,457,852.16	178,764.00
tblWater	OutdoorWaterUseRate	68,602,528.80	125,835.00
tblWater	OutdoorWaterUseRate	3,259,247,980.98	5,978,333.00
tblWater	SepticTankPercent	10.33	40.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	40.00
tblWater	SepticTankPercent	10.33	40.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	40.00
tblWater	SepticTankPercent	10.33	40.00
tblWater	SepticTankPercent	10.33	40.00
tblWater	SepticTankPercent	10.33	40.00

## 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	7,244.5657	76.3000	6,899.6225	2.4909		887.7851	887.7851		887.7591	887.7591	84,125.1083	36,272.3975	120,397.5058	78.5836	6.6171	124,099.0534
Energy	24.7479	217.9387	137.3396	1.3499		17.0986	17.0986		17.0986	17.0986	0.0000	848,360.1114	848,360.1114	32.4325	10.2291	852,212.2266
Mobile	286.7503	503.8921	5,102.5271	19.1773	1,557.4834	13.2701	1,570.7536	413.8950	12.2977	426.1927	0.0000	1,104,250.0544	1,104,250.0544	48.3688	0.0000	1,105,265.7997
Waste						0.0000	0.0000		0.0000	0.0000	51,999.3830	0.0000	51,999.3830	3,073.0755	0.0000	116,533.9684
Water						0.0000	0.0000		0.0000	0.0000	7.5310	146.6505	154.1815	0.5823	0.0196	172.4963
<b>Total</b>	<b>7,556.0639</b>	<b>798.1307</b>	<b>12,139.4892</b>	<b>23.0181</b>	<b>1,557.4834</b>	<b>918.1538</b>	<b>2,475.6372</b>	<b>413.8950</b>	<b>917.1554</b>	<b>1,331.0504</b>	<b>136,132.0223</b>	<b>1,989,029.2139</b>	<b>2,125,161.2362</b>	<b>3,233.0427</b>	<b>16.8658</b>	<b>2,198,283.5446</b>

#### 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	6,903.3020	76.3000	6,899.6225	2.4909		887.7851	887.7851		887.7591	887.7591	84,125.1083	36,272.3975	120,397.5058	78.5836	6.6171	124,099.0534
Energy	19.8359	174.6991	110.2055	1.0820		13.7048	13.7048		13.7048	13.7048	0.0000	768,630.6058	768,630.6058	30.0704	9.0420	772,065.0980
Mobile	286.7503	503.8921	5,102.5271	19.1773	1,557.4834	13.2701	1,570.7536	413.8950	12.2977	426.1927	0.0000	1,104,250.0544	1,104,250.0544	48.3688	0.0000	1,105,265.7997
Waste						0.0000	0.0000		0.0000	0.0000	51,999.3830	0.0000	51,999.3830	3,073.0755	0.0000	116,533.9684
Water						0.0000	0.0000		0.0000	0.0000	6.0248	125.4266	131.4514	0.4661	0.0158	146.1254
<b>Total</b>	<b>7,209.8882</b>	<b>754.8912</b>	<b>12,112.3551</b>	<b>22.7502</b>	<b>1,557.4834</b>	<b>914.7600</b>	<b>2,472.2435</b>	<b>413.8950</b>	<b>913.7617</b>	<b>1,327.6567</b>	<b>136,130.5161</b>	<b>1,909,278.4844</b>	<b>2,045,409.0005</b>	<b>3,230.5644</b>	<b>15.6748</b>	<b>2,118,110.0450</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>4.58</b>	<b>5.42</b>	<b>0.22</b>	<b>1.16</b>	<b>0.00</b>	<b>0.37</b>	<b>0.14</b>	<b>0.00</b>	<b>0.37</b>	<b>0.25</b>	<b>0.00</b>	<b>4.01</b>	<b>3.75</b>	<b>0.08</b>	<b>7.06</b>	<b>3.65</b>

## 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	286.7503	503.8921	5,102.5271	19.1773	1,557.4834	13.2701	1,570.7536	413.8950	12.2977	426.1927	0.0000	1,104,250.0544	1,104,250.0544	48.3688	0.0000	1,105,265.7997
Unmitigated	286.7503	503.8921	5,102.5271	19.1773	1,557.4834	13.2701	1,570.7536	413.8950	12.2977	426.1927	0.0000	1,104,250.0544	1,104,250.0544	48.3688	0.0000	1,105,265.7997

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	5,085.99	5,085.99	5085.99	41,265,485	41,265,485
City Park	0.00	0.00	0.00		
Day-Care Center	426.58	426.58	426.58	3,461,082	3,461,082
Elementary School	4,809.28	4,809.28	4809.28	39,020,382	39,020,382
General Light Industry	135,175.35	135,175.35	135175.35	1,096,753,329	1,096,753,329
General Office Building	20,318.45	20,318.45	20318.45	164,854,996	164,854,996
High School	1,204.56	1,204.56	1204.56	9,773,270	9,773,270
Junior High School	1,540.70	1,540.70	1540.70	12,500,562	12,500,562
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	345,957.28	345,957.28	345957.28	2,806,945,149	2,806,945,149
Total	514,518.20	514,518.20	514,518.20	4,174,574,254	4,174,574,254

### 4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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	22.29	0.00	0.00	100.00	0.00	0.00	100	0	0
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Day-Care Center	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Elementary School	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
General Light Industry	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
General Office Building	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
High School	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Junior High School	0.00	22.29	0.00	0.00	100.00	0.00	100	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	22.29	0.00	0.00	100.00	0.00	0.00	100	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.611152	0.099452	0.250731	0.007405	0.012959	0.002042	0.000906	0.002000	0.000197	0.000202	0.011277	0.000103	0.001572

### 5.0 Energy Detail

#### 4.4 Fleet Mix

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	572,323.0634	572,323.0634	26.3079	5.4430	574,562.8606
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	603,440.7647	603,440.7647	27.7383	5.7390	605,802.3416
NaturalGas Mitigated	19.8359	174.6991	110.2055	1.0820		13.7048	13.7048		13.7048	13.7048	0.0000	196,307.5424	196,307.5424	3.7626	3.5990	197,502.2374
NaturalGas Unmitigated	24.7479	217.9387	137.3396	1.3499		17.0986	17.0986		17.0986	17.0986	0.0000	244,919.3467	244,919.3467	4.6943	4.4902	246,409.8850

## 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										M1/yr					
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
Day-Care Center	3.65769e+006	0.0197	0.1793	0.1506	1.0800e-003		0.0136	0.0136		0.0136	0.0136	0.0000	195.1883	195.1883	3.7400e-003	3.5800e-003	196.3761
Elementary School	4.1259e+007	0.2225	2.0225	1.6989	0.0121		0.1537	0.1537		0.1537	0.1537	0.0000	2,201.7390	2,201.7390	0.0422	0.0404	2,215.1384
General Light Industry	1.95588e+009	10.5464	95.8766	80.5364	0.5753		7.2866	7.2866		7.2866	7.2866	0.0000	104,373.3807	104,373.3807	2.0005	1.9135	105,008.5797
General Office Building	1.70831e+008	0.9212	8.3741	7.0342	0.0502		0.6364	0.6364		0.6364	0.6364	0.0000	9,116.2116	9,116.2116	0.1747	0.1671	9,171.6913
High School	1.03329e+007	0.0557	0.5065	0.4255	3.0400e-003		0.0385	0.0385		0.0385	0.0385	0.0000	551.4006	551.4006	0.0106	0.0101	554.7563
Apartments Low Rise	2.97863e+007	0.1606	1.3725	0.5840	8.7600e-003		0.1110	0.1110		0.1110	0.1110	0.0000	1,589.5081	1,589.5081	0.0305	0.0291	1,599.1816
Junior High School	1.32198e+007	0.0713	0.6480	0.5443	3.8900e-003		0.0493	0.0493		0.0493	0.0493	0.0000	705.4569	705.4569	0.0135	0.0129	709.7502
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
Single Family Housing	2.36464e+009	12.7505	108.9591	46.3656	0.6955		8.8095	8.8095		8.8095	8.8095	0.0000	126,186.4616	126,186.4616	2.4186	2.3134	126,954.4114
<b>Total</b>		<b>24.7479</b>	<b>217.9387</b>	<b>137.3396</b>	<b>1.3499</b>		<b>17.0986</b>	<b>17.0986</b>		<b>17.0986</b>	<b>17.0986</b>	<b>0.0000</b>	<b>244,919.3467</b>	<b>244,919.3467</b>	<b>4.6943</b>	<b>4.4902</b>	<b>246,409.8850</b>



## 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					
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
Day-Care Center	2.83395e+006	0.0153	0.1389	0.1167	8.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	151.2306	151.2306	2.9000e-003	2.7700e-003	152.1509
Elementary School	3.19672e+007	0.1724	1.5670	1.3163	9.4000e-003		0.1191	0.1191		0.1191	0.1191	0.0000	1,705.8928	1,705.8928	0.0327	0.0313	1,716.2746
General Light Industry	1.58259e+009	8.5336	77.5780	65.1655	0.4655		5.8959	5.8959		5.8959	5.8959	0.0000	84,453.1023	84,453.1023	1.6187	1.5483	84,967.0698
General Office Building	1.29647e+008	0.6991	6.3553	5.3384	0.0381		0.4830	0.4830		0.4830	0.4830	0.0000	6,918.4790	6,918.4790	0.1326	0.1268	6,960.5837
High School	8.00583e+006	0.0432	0.3924	0.3297	2.3500e-003		0.0298	0.0298		0.0298	0.0298	0.0000	427.2215	427.2215	8.1900e-003	7.8300e-003	429.8215
Junior High School	1.02426e+007	0.0552	0.5021	0.4218	3.0100e-003		0.0382	0.0382		0.0382	0.0382	0.0000	546.5833	546.5833	0.0105	0.0100	549.9098
Apartments Low Rise	2.37086e+007	0.1278	1.0925	0.4649	6.9700e-003		0.0883	0.0883		0.0883	0.0883	0.0000	1,265.1808	1,265.1808	0.0243	0.0232	1,272.8805
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
Single Family Housing	1.88967e+009	10.1894	87.0729	37.0523	0.5558		7.0399	7.0399		7.0399	7.0399	0.0000	100,839.8521	100,839.8521	1.9328	1.8487	101,453.5466
<b>Total</b>		<b>19.8359</b>	<b>174.6991</b>	<b>110.2055</b>	<b>1.0819</b>		<b>13.7048</b>	<b>13.7048</b>		<b>13.7048</b>	<b>13.7048</b>	<b>0.0000</b>	<b>196,307.5424</b>	<b>196,307.5424</b>	<b>3.7626</b>	<b>3.5990</b>	<b>197,502.2374</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	7.68378e+ 006	2,198.8434	0.1011	0.0209	2,207.448 6
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	2.25037e+ 006	643.9812	0.0296	6.1200e- 003	646.5014
Elementary School	2.53843e+ 007	7,264.1587	0.3339	0.0691	7,292.587 1
General Light Industry	1.25297e+ 009	358,558.95 32	16.4818	3.4100	359,962.1 804
General Office Building	2.27098e+ 008	64,987.887 1	2.9873	0.6181	65,242.21 84
High School	6.35722e+ 006	1,819.2263	0.0836	0.0173	1,826.345 8
Junior High School	8.13337e+ 006	2,327.5015	0.1070	0.0221	2,336.610 3
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.78824e+ 008	165,640.21 35	7.6140	1.5753	166,288.4 496
<b>Total</b>		<b>603,440.76 47</b>	<b>27.7382</b>	<b>5.7389</b>	<b>605,802.3 416</b>

## Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	7.56346e+ 006	2,164.4129	0.0995	0.0206	2,172.883 3
City Park	0	0.0000	0.0000	0.0000	0.0000
Day-Care Center	2.07152e+ 006	592.7991	0.0273	5.6400e- 003	595.1190
Elementary School	2.33669e+ 007	6,686.8207	0.3074	0.0636	6,712.989 7
General Light Industry	1.18148e+ 009	338,101.75 15	15.5415	3.2155	339,424.9 191
General Office Building	2.05138e+ 008	58,703.786 5	2.6984	0.5583	58,933.52 49
High School	6.85196e+ 006	1,674.6385	0.0770	0.0159	1,681.192 2
Junior High School	7.48695e+ 006	2,142.5173	0.0985	0.0204	2,150.902 1
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	6.66999e+ 008	162,256.33 70	7.4584	1.5431	162,891.3 303
<b>Total</b>		<b>572,323.06 34</b>	<b>26.3079</b>	<b>5.4430</b>	<b>574,562.8 606</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive 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	6,903.3020	76.3000	6,899.6225	2.4909		887.7851	887.7851		887.7591	887.7591	84,125.1083	36,272.3975	120,397.5058	78.5836	6.6171	124,099.0534
Unmitigated	7,244.5657	76.3000	6,899.6225	2.4909		887.7851	887.7851		887.7591	887.7591	84,125.1083	36,272.3975	120,397.5058	78.5836	6.6171	124,099.0534

### 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	568.7729					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1,547.4866					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5,110.1128	69.3306	6,295.1101	2.4589		884.4248	884.4248		884.3989	884.3989	84,125.1083	35,280.8435	119,405.9518	77.6335	6.6171	123,087.5488
Landscaping	18.1935	6.9694	604.5124	0.0321		3.3603	3.3603		3.3603	3.3603	0.0000	991.5540	991.5540	0.9500	0.0000	1,011.5047
<b>Total</b>	<b>7,244.5657</b>	<b>76.3000</b>	<b>6,899.6225</b>	<b>2.4910</b>		<b>887.7851</b>	<b>887.7851</b>		<b>887.7591</b>	<b>887.7591</b>	<b>84,125.1083</b>	<b>36,272.3975</b>	<b>120,397.5058</b>	<b>78.5835</b>	<b>6.6171</b>	<b>124,099.0534</b>

# 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	227.5092					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1,547.4866					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5,110.1128	69.3306	6,295.1101	2.4589		884.4248	884.4248		884.3989	884.3989	84,125.1083	35,280.8435	119,405.9518	77.6335	6.6171	123,087.5488
Landscaping	18.1935	6.9694	604.5124	0.0321		3.3603	3.3603		3.3603	3.3603	0.0000	991.5540	991.5540	0.9500	0.0000	1,011.5047
Total	6,903.3020	76.3000	6,899.6225	2.4910		887.7851	887.7851		887.7591	887.7591	84,125.1083	36,272.3975	120,397.5058	78.5835	6.6171	124,099.0534

## 7.0 Water Detail

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### 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	131.4514	0.4661	0.0158	146.1254
Unmitigated	154.1815	0.5823	0.0196	172.4963

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0.100131 / 0.157693	0.8957	9.2100e-003	9.0000e-005	1.1156
City Park	0 / 8.3517	26.5527	1.2200e-003	2.5000e-004	26.6566
Day-Care Center	0.005424 / 0.034841	0.1321	5.0000e-004	1.0000e-005	0.1444
Elementary School	0.061148 / 0.392794	1.4896	5.6700e-003	6.0000e-005	1.6276
General Light Industry	17.656 / 0	72.0361	0.0245	0.0142	76.9563
General Office Building	2.03974 / 3.123	17.9624	0.1876	1.7400e-003	22.4403
High School	0.027829 / 0.178764	0.6780	2.5800e-003	3.0000e-005	0.7407
Junior High School	0.019589 / 0.125835	0.4772	1.8200e-003	2.0000e-005	0.5214
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.79607 / 5.97833	33.9577	0.3492	3.2400e-003	42.2934
<b>Total</b>		<b>154.1815</b>	<b>0.5823</b>	<b>0.0197</b>	<b>172.4963</b>

## Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0.0801048 / 0.148074	0.7863	7.3700e-003	7.0000e-005	0.9624
City Park	0 / 7.84224	24.9330	1.1500e-003	2.4000e-004	25.0305
Day-Care Center	0.0043392 / 0.0023157	0.1211	4.0000e-004	0.0000	0.1310
Elementary School	0.0489184 / 0.368834	1.3653	4.5400e-003	5.0000e-005	1.4763
General Light Industry	14.1248 / 0	57.6289	0.0195	0.0114	61.5571
General Office Building	1.63179 / 2.9325	15.7501	0.1501	1.4000e-003	19.3373
High School	0.0222632 / 0.167859	0.6214	2.0700e-003	2.0000e-005	0.6719
Junior High School	0.0156712 / 0.118159	0.4374	1.4600e-003	2.0000e-005	0.4730
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.03685 / 5.61365	29.8081	0.2794	2.6100e-003	36.4860
<b>Total</b>		<b>131.4515</b>	<b>0.4661</b>	<b>0.0158</b>	<b>146.1254</b>



## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

#### Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Unmitigated	51,999.3830	3,073.0755	0.0000	116,533.9684
Mitigated	51,999.3830	3,073.0755	0.0000	116,533.9684

### 8.2 Waste by Land Use

#### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	881	178.8350	10.5689	0.0000	400.7809
City Park	301	61.1003	3.6109	0.0000	136.9297
Day-Care Center	509	103.3224	6.1062	0.0000	231.5522
Elementary School	5734	1,163.9502	68.7875	0.0000	2,608.4874
General Light Industry	117925	23,937.7093	1,414.6781	0.0000	53,645.9492
General Office Building	13294	2,698.5619	159.4804	0.0000	6,047.6510
High School	1436	291.4950	17.2269	0.0000	653.2591
Junior High School	1837	372.8944	22.0374	0.0000	835.6804
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	114249	23,191.5145	1,370.5792	0.0000	51,973.6786
<b>Total</b>		<b>51,999.3830</b>	<b>3,073.0755</b>	<b>0.0000</b>	<b>116,533.9684</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	881	178.8350	10.5689	0.0000	400.7809
City Park	301	61.1003	3.6109	0.0000	136.9297
Day-Care Center	509	103.3224	6.1062	0.0000	231.5522
Elementary School	5734	1,163.9502	68.7875	0.0000	2,608.4874
General Light Industry	117925	23,937.7093	1,414.6781	0.0000	53,645.9492
General Office Building	13294	2,698.5619	159.4804	0.0000	6,047.6510
High School	1436	291.4950	17.2269	0.0000	653.2591
Junior High School	1837	372.8944	22.0374	0.0000	835.6804
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	114249	23,191.5145	1,370.5792	0.0000	51,973.6786
Total		51,999.3830	3,073.0755	0.0000	116,533.9684

**9.0 Operational Offroad**

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

**Buildout\_New Uses**  
**Los Angeles-Mojave Desert 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	60.00	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	5.16	5.16	5.16	5.16	5.16
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	19.85	19.84	19.76	19.85	19.85	19.85	0.00	19.85	19.85	19.85	19.85	19.85
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	14.47	14.74	19.96	19.80	15.29
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	0.21	0.50		
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	
Yes	Use Low VOC Paint (Residential Interior)	100.00
Yes	Use Low VOC Paint (Residential Exterior)	100.00
Yes	Use Low VOC Paint (Non-residential Interior)	100.00
Yes	Use Low VOC Paint (Non-residential Exterior)	100.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

## Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	25.00	
No	Install High Efficiency Lighting	0.00	
No	On-site Renewable	0.00	0.00

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

### Water Mitigation Measures

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

### Solid Waste Mitigation

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