Appendix H

Air Quality Modeling Results/ Greenhouse Gas Modeling Results

Facility Types and Quantities Proposed Under the Village at Squaw Valley Specific Plan

CalEEMod Land Use Type/Subtype	Row #	Lot	Category/Description	Units	Area (acres)	Total Floor Area (sq. ft.)	Bedrooms	Max. Building Height (ft.)	Sellable sf	Gross sf	Retail Area (sq. ft.)	Restaurant, F&B (sq. ft.)	Hotel Common Area (sq. ft.)	Amenties (sq. ft.)	Club (sq. ft.)	Meeting Space (sq. ft.)	Ski Services (sq. ft.)	Transit Facilities (sq. ft.)	FAR	LCR
Residential - Condo/Townhouse High Rise																				
	1	1	Core - Condo Hotel	223	5.62	396,716	346	108	290,141	362,676	4,220	4,220	13,600			12,000			1.79	0.3
	3	3	Condo Hotel	98	1.36	151,524	175	108	111,826	139,782	3,250	3,250	5,242						2.55	0.4
	4	4	Condo Hotel	87	1.2	162,841	156	108	116,080	145,100	6,150	6,150	5,441						3.11	0.35
	6	7	Condo Hotel	12	0.87	41,615	28	82	28,892	36,115	1,500	2,000	2,000						1.1	0.18
	8	13	Condo Hotel	167	4.69	268,358	298	94	202,300	252,875	3,000	3,000	9,483						1.31	0.42
	9	15	Condo Hotel	88	2.01	128,243	142	94	94,260	117,825	3,000	3,000	4,418						1.46	0.37
	2	1	West Wing - Condo Hotel	22		40,882	34	108	31,523	39,404			1,478						1.79	0.3
	10	14	Extended Stay Condo Hotel	47	2.06	68,779	77	70	49,950	62,438	2,000	2,000	2,341						0.77	0.37
Subtotal				744	17.81	1,258,958	1,256													
Residential - Apartments Mid Rise																				
	20	34	Employee Housing	6	0.21	11,730	96	56		11,730									1.26	0.56
	21	35	Employee Housing	15	0.44	19,341	168	56		19,341									1	0.54
Subtotal				21	0.65	31,071	264													
Residential - Condo/Townhouse (regular, [1-2 levels])																				
	11	16	Fractional Cabins	17	3.65	51,000	51	35	40,800	51,000									0.32	0.32
	12	17	Fractional Cabins		1.18	10,000		35	-	-	1,000	2,500	4,000	2,500					0.19	0.19
	13	18	Fractional Cabins	14	4.87	42,000	42	35	33,600	42,000									0.2	0.2
Subtotal				31	9.7	103,000	93													
Retail - User Defined Retail																				
	14	8	Mountain Adventure Camp/Ski Services		2.29	110,000		100						90,000			20,000		1.1	0.53
	15	19	Mountain Maintenance		2.85	10,000		35									10,000		0.08	0.08
	7	9	Squaw Kids/Condo Hotel	58	1.11	151,932	104	96	97,104	121,380	3,000	3,000	4,552				20,000		3.15	0.4
	17	36	Shipping & Receiving		0.2	20,000		44			5,000						15,000		2.27	0.85
	5	6	Ski Services/ Condo Hotel	17	0.98	39,776	40	70	19,421	24,276	1,500	2,000	2,000				10,000		0.93	0.22
	19	TC	Transit Facilities			4,000												4,000		
Subtotal				75	7.43	335,708	144													

Parking - Enclosed Parking Structure				
	16	33	Parking Structure	3.22
Subtotal				3.22
Parking - Parking Lot				
	29	11	Parking Lot	5.18
	30	12	Parking Lot	5.49
Subtotal				10.67
Parking - Other Asphalt Surfaces				
	22	5	Far East Road	1.03
	23	30	OVI Access Road	2.2
	24	31	Squaw Valley Road	3
	26	38	Squaw Valley Road	0.76
	25	32	Village East Road	0.62
Subtotal				7.61
Not Modeled for Construction Emissions				
	40	29	Snow Storage/ Conservation Preserve	3.13
	32	21	Conservation Preserve	2.72
	18	37	Creek & Recreation Parcel	3.97
	34	23	Creek Restoration	6.39
	35	24	Creek Restoration	1.72
	36	25	Creek Restoration	1.81
	28	10	Creek Restoration/Forest Recreation	4.71
	37	26	Creek Restoration/Forest Recreation	4.29
	27	2	Forest Recreation	2.57
	31	20	Forest Recreation	1.24
	33	22	Forest Recreation	2.77
	38	27	Forest Recreation	0.68
	39	28	Forest Recreation	0.62

Source

Data is condense from Table 1 on the project kickoff packet.

Total Residential Interior Area (sq. ft.)	Total Non Residential Interior Area (sq. ft.)
1,393,029	335,708

Approach for Estimating Construction Emissions

1 The Specific Plan would be developed over approximately 20–25 years with construction proposed to begin no earlier than 2016.
2 Up to 20% of the construction activity could take place in a single year.
3 Construction emissions were estimated using the PCAPCD-recommended CalEEMod model.
4 The model run estimates the level of emission if all the land uses and facilities that are part of the Specific Plan were constructe in one singel year, 2016.
5 Then, 20% of the modeled daily emisison levels are used to represent what the maximum daily emisison levels would be during the highest intensity construction year.
6 Demolition, Site Preparation, Grading, and Paving would only occur during the Sierra construction season (approx. May 1 to Oct. 15).
7 Construction activity would occur 6 days per week, which is typical for projects in the Sierra which has a limited construction season.
8 Building Construction and Architectural Coating could occur during all months of the year because much of the work takes place indoors.
9 Summertime estimates are used because summer is the season when constructoin activity would be the most intense.
10 This approach is used because the timing of various construction projects is not known at the time of analysis.

Construction Phasing

Default Values in CalEEMod

Phase	Days/Week	Total (work) Days	Start Date	End Date
Demolition	5	70	1/1/2015	4/8/2015
Site Preparation	5	40	4/9/2015	6/3/2015
Grading	5	110	6/4/2015	11/4/2015
Building Construction	5	1,110	11/5/2015	2/5/2020
Paving	5	75	2/6/2020	5/20/2020
Architectural Coating	5	75	5/21/2020	9/2/2020

Adjusted Values to Account for Sierra Construction Season and Schedule Parameters

Phase	Days/Week	Total (work) Days	Start Date	End Date
Demolition	6	144	5/1/2016	10/15/2016
Site Preparation	6	144	5/1/2016	10/15/2016
Grading	6	144	5/1/2016	10/15/2016
Building Construction	6	314	1/1/2016	12/31/2016
Paving	6	144	5/1/2016	10/15/2016
Architectural Coating	6	314	1/1/2016	12/31/2016

Village at Squaw Valley
Existing Facilities to be Demolished

	Building/Facility	Use(s)	Square Footage
1	Far East Building	Shipping/Receiving, Dining, Central Rez	10,523
2	Snow Ventures	Children's activites	2,360
3	Clock Tower	Offices	2,593
4	Olympic Valley Lodge	Offices, Conference/Events Room	20,120
5	Courtside EH	Employee Housing	6,960
6	Hostel EH	Employee Housing	6,912
7	Red Dog Maintenance	Building Services, Vehicle Maintenance, Groomers, Carpenter Shop, Uniforms, Ski Patrol, Storage Race Services, Terrain Park Locker rooms and offices, Dispatch, Race Team lockers and office, etc.	40,535
	Total		90,003

Surface Parking to be Removed	Area (acres)	Volume (cu. Yd.)
West Side Development	8.050	2,165
Lot 11 & Lot 12	8.640	2,323
East Side Development	10.717	2,882
Total	27.407	7,370

Asphalt from these parking lots would be removed, ground, and hauled to be used as a base on the mountain road. The use of this type of material, ground asphalt, is currently in practice today. This would involve the following equipment in addition to the equipment used to demolish the existing structures. Emissions from this effort is not based on the tons of asphalt that is repurposed in this way or the area of the removed parking lots.

1	Cold Planer	http://www.cat.com/en_US/products/new/equipment/cold-planers/cold-planer/18252866.html
2	Off-Road Trucks	
1	Roller	
1	Scraper	

These assumptions are based on an e-mail from Andrea Parisi, Project Coordinator of Squaw Valley Real Estate LLC to Sean Bechta of Ascent Environmenta dated September 5, 2014.

Default Values in CalEEMod

These uses area based on the inputs in the Land Use module.

Phase Name	Residential Interior VOC (g/L)	Residential Interior Area (sq ft)	Residential Exterior VOC (g/L)	Residential Exterior Area (sq ft)	Non Residential Interior VOC (g/L)	Non Residential Interior Area (sq ft)	Non Residential Exterior VOC (g/L)	Non Residential Exterior Area (sq ft)
Architectural Coating	250	2,820,884	250	940,295	250	1,232,110	250	410,703

Note that the default values for Residential Exterior Area and Non Residential Exterior Area are one third of the values for Residential Interior Area and Non Residential Interior Area, respectively.

Ratio of Interior Area to Exterior Area: 3.0

Adjusted Values to Account for Actual Land Uses Size Parameters

Phase Name	Residential Interior VOC (g/L)	Residential Interior Area (sq ft)	Residential Exterior VOC (g/L)	Residential Exterior Area (sq ft)	Non Residential Interior VOC (g/L)	Non Residential Interior Area (sq ft)	Non Residential Exterior VOC (g/L)	Non Residential Exterior Area (sq ft)
	250	1,393,029	250	464,343	250	335,708	250	111,903

Maximum Daily Construction Emissions of CAPs and Precursors if Entire VSVSP were Constructed in One Year (a hypothetical scenario)

Detailed Output from CalEEMod

	ROG	NOx	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Demolition	5.0568	46.5429	0.8562	2.3058	3.1621	0.1575	2.1491	2.3066
On-Site	4.2876	45.6559	0.6152	2.2921	2.9074	0.0932	2.1365	2.2297
Off-Site	0.7692	0.8870	0.2410	0.0137	0.2547	0.0643	0.0126	0.0769
Site Preparation	5.6591	54.7819	5.2483	2.9407	8.1890	2.8195	2.7054	5.5249
On-Site	5.0771	54.6323	5.0184	2.9387	7.9571	2.7585	2.7036	5.4621
Off-Site	0.5820	0.1496	0.2299	0.0020	0.2319	0.0610	0.0018	0.0628
Grading	7.1262	74.9799	6.8810	3.5864	10.4674	2.8151	3.2995	6.1146
On-Site	6.4795	74.8137	6.6255	3.5842	10.2097	2.7473	3.2975	6.0448
Off-Site	0.6467	0.1662	0.2555	0.0022	0.2577	0.0678	0.0020	0.0698
Paving	2.9074	22.5106	0.1916	1.2627	1.4543	0.0508	1.1616	1.2124
On-Site	2.4224	22.3859	0.0000	1.2610	1.2610	0.0000	1.1601	1.1601
Off-Site	0.4850	0.1247	0.1916	0.0017	0.1933	0.0508	0.0015	0.0523
Building Construction	47.8334	63.6226	15.4810	2.5396	18.0206	4.1407	2.3734	6.5141
On-Site	3.4062	28.5063	0.0000	1.9674	1.9674	0.0000	1.8485	1.8485
Off-Site	44.4272	35.1163	15.4810	0.5722	16.0532	4.1407	0.5249	4.6656
Architectural Coatings	92.3805	4.1589	2.7462	0.2205	2.9667	0.7283	0.2184	0.9466
On-Site	85.4289	2.3722	0.0000	0.1966	0.1966	0.0000	0.1966	0.1966
Off-Site	6.9516	1.7867	2.7462	0.0239	2.7701	0.7283	0.0218	0.7500
Total	**160.9633**	**266.5969**	**31.4043**	**12.8557**	**44.2600**	**10.7118**	**11.9074**	**22.6192**
Crosscheck of total	160.9634	266.5968	31.4043	12.8557	44.2601	10.7119	11.9075	22.6192

Summary Output - Maximum Daily Emissions of CAPs and Precursors if Full VSVSP Constructed in One Year

	ROG	NOx	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Demolition	5.0568	46.5429	0.8562	2.3058	3.1621	0.1575	2.1491	2.3066
Site Preparation	5.6591	54.7819	5.2483	2.9407	8.189	2.8195	2.70542	5.5249
Grading	7.1262	74.9799	6.881	3.58642	10.4674	2.8151	3.29952	6.1146
Paving	2.9074	22.5106	0.1916	1.26267	1.4543	0.0508	1.16162	1.2124
Building Construction	47.8334	63.6226	15.481	2.5396	18.0206	4.1407	2.3734	6.5141
Architectural Coatings	92.3805	4.1589	2.7462	0.2205	2.9667	0.7283	0.2184	0.9466
Total Maxium Daily Emissions	**160.9633**	**266.5969**	**31.4043**	**12.8557**	**44.26**	**10.7118**	**11.9074**	**22.6192**

Portion of VSVSP that could be constructed in a single year

20%

Maximum Daily Emissions from Worst-Case Year of Construction for the VSVSP

	ROG	NOx	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Demolition	1.0	9.3	0.2	0.5	0.6	0.0	0.4	0.5
Site Preparation	1.1	11.0	1.0	0.6	1.6	0.6	0.5	1.1
Grading	1.4	15.0	1.4	0.7	2.1	0.6	0.7	1.2
Paving	0.6	4.5	0.0	0.3	0.3	0.0	0.2	0.2
Building Construction	9.6	12.7	3.1	0.5	3.6	0.8	0.5	1.3
Architectural Coatings	18.5	0.8	0.5	0.0	0.6	0.1	0.0	0.2
Total Maxium Daily Emissions	**32.2**	**53.3**	**6.3**	**2.6**	**8.9**	**2.1**	**2.4**	**4.5**
PCAPCD Threshold of Significance	82	82	—	—	82	—	—	—

Detailed Output from CalEEMod - Construction-Generated GHG Emissions (MT)

	Total CO2-e	20%
Demolition	294	59
On-Site	269	54
Off-Site	26	5
Site Preparation	281	56
On-Site	267	53
Off-Site	14	3
Grading	437	87
On-Site	422	84
Off-Site	16	3
Paving	164	33
On-Site	152	30
Off-Site	12	2
Building Construction	3,118	624
On-Site	382	76
Off-Site	2,736	547
Architectural Coatings	407	81
On-Site	40	8
Off-Site	367	73
Total	**4,702**	**940**
Crosscheck of total	4,702	940

Summary Output - Construction-Generated GHG Emissions (MT)

	Total CO2-e
Demolition	294
Site Preparation	281
Grading	437
Paving	164
Building Construction	3,118
Architectural Coatings	407
Total for full buildout of VSVSP in 2037	**4,702**
Portion of VSVSP constructed by 2017	20%
Total for 20% buildout by 2017	**940**

	value	units	source
Operational Life of Project	40	years	assumption
GHG emissions of full buildout, amortized	**118**	MT CO2e/year	amortization

Back-Calculation of Number of Workers during Construction

	Daily Trips		
	worker	vendor	source
Demolition	15	0	CalEEMod run SV_Construction
Site Preparation	18	0	CalEEMod run SV_Construction
Grading	20	0	CalEEMod run SV_Construction
Building Construction	1,074	294	CalEEMod run SV_Construction
Paving	15	0	CalEEMod run SV_Construction
Architectural Coatings	215	0	CalEEMod run SV_Construction
Total	1,357	294	summation
20%	271	59	

The number of workers is 1.25 times the number of pieces of equipment for all phases except building construction and architectural coating (CalEEMod User's Guide, page 27). 1.25

	# of Equipment	source
Demolition	6	CalEEMod run SV_Construction
Site Preparation	7	CalEEMod run SV_Construction
Grading	8	CalEEMod run SV_Construction
Building Construction	—	CalEEMod run SV_Construction
Paving	6	CalEEMod run SV_Construction
Architectural Coatings	—	CalEEMod run SV_Construction
Total	27	summation

	# of Workers	source
Demolition	7.5	CalEEMod run SV_Construction
Site Preparation	8.8	CalEEMod run SV_Construction
Grading	10.0	CalEEMod run SV_Construction
Building Construction	—	CalEEMod run SV_Construction
Paving	7.5	CalEEMod run SV_Construction
Architectural Coatings	—	CalEEMod run SV_Construction

	trips/worker/day	source
Demolition	2.0	CalEEMod run SV_Construction
Site Preparation	2.1	CalEEMod run SV_Construction
Grading	2.0	CalEEMod run SV_Construction
Building Construction	—	CalEEMod run SV_Construction
Paving	2.0	CalEEMod run SV_Construction
Architectural Coatings	—	CalEEMod run SV_Construction
Average Rate	2.0	Estimation

Number of workers estimated per day for Construction and Architectrual Coatings:

	# of Workers	source
Building Construction	537	
Architectural Coatings	108	

20% But no more than 20% of construction activity could occur during any single year.

	# of Workers	source
Demolition	2	calculation
Site Preparation	2	calculation
Grading	2	calculation
Building Construction	107	calculation
Paving	2	calculation
Architectural Coatings	22	calculation
Total	136	summation

Annual Fuel Consumption

	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	Total	units	source
Annual VMT in 2017 by Vehicle Class (VMT/year)	1,825,872	1,753,870	4,920,008	121,382	130,463	13,842	13,842	13,842	13,842	13,842	8,820,803	VMT/year	worksheet "Mobile-Source GHGs 2020" of Operational Emissions Modeling.xlsx
Fuel Efficiency in 2017 (miles/gal)	26.3	22.0	19.3	6.9	4.6	14.6	12.8	12.8	8.1	5.7	NA	miles/gal	wksht: fuel efficiency of veh fleet
fuel consumed at 20% buildout in 2017	69,514	79,893	254,343	17,685	28,409	947	1,082	1,078	1,702	2,428	457,079	gal/year	calculation

	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	Total	units	source
Annual VMT in 2037 by Vehicle Class (VMT/year)	9,129,362	8,769,350	24,600,041	606,909	652,313	69,208	69,208	69,208	69,208	69,208	44,104,014	VMT/year	worksheet "Mobile-Source GHGs 2037" of Operational Emissions Modeling.xlsx
Fuel Efficiency in 2035 (miles/gal)	46.5	35.6	36.9	7.4	5.2	29.2	15.5	14.9	8.6	6.5	NA	miles/gal	wksht: fuel efficiency of veh fleet
fuel consumed at full buildout in 2035	196,430	246,546	665,976	82,377	124,760	2,370	4,469	4,634	8,023	10,590	1,346,175	gal/year	calculation

Percent buildout in 2017
20%

Fuel Efficency by Vehicle Class for 2017 and 2035

Row Labels	Sum of VMT/day	Sum of fuel consumption (1,000 gal/day)	fuel efficiency (miles/gal)
2017	**952,456,967**	**51,346**	**18.5**
HHDT	37,748,531	6,623	5.7
LDA	508,074,281	19,343	26.3
LDT1	41,918,844	1,909	22.0
LDT2	182,989,739	9,460	19.3
LHDT1	22,535,064	1,762	12.8
LHDT2	5,929,855	462	12.8
MCY	5,379,297	149	36.1
MDV	124,856,659	8,540	14.6
MH	1,146,091	157	7.3
MHDT	17,030,242	2,094	8.1
OBUS	1,898,683	277	6.9
SBUS	788,021	100	7.9
UBUS	2,161,660	471	4.6
2035	**1,133,241,568**	**38,470**	**29.5**
HHDT	55,569,572	8,503	6.5
LDA	643,263,171	13,841	46.5
LDT1	41,019,915	1,153	35.6
LDT2	222,094,157	6,013	36.9
LHDT1	12,949,504	836	15.5
LHDT2	5,663,511	379	14.9
MCY	5,836,695	163	35.8
MDV	117,790,678	4,034	29.2
MH	733,564	94	7.8
MHDT	23,353,793	2,707	8.6
OBUS	2,446,457	332	7.4
SBUS	895,952	104	8.6
UBUS	1,624,598	311	5.2
Grand Total	**2,085,698,535**	**89,816**	

Transposed and Reordered Vehicle Class

2017	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHDT1	LHDT2	MHDT	HHDT
VMT/day	508,074,281	41,918,844	182,989,739	1,898,683	2,161,660	124,856,659	22,535,064	5,929,855	17,030,242	37,748,531
fuel consumption (1,000 gal/day)	19,343	1,909	9,460	277	471	8,540	1,762	462	2,094	6,623
fuel efficiency (miles/gal)	26.3	22.0	19.3	6.9	4.6	14.6	12.8	12.8	8.1	5.7

2035	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHDT1	LHDT2	MHDT	HHDT
VMT/day	643,263,171	41,019,915	222,094,157	2,446,457	1,624,598	117,790,678	12,949,504	5,663,511	23,353,793	55,569,572
fuel consumption (1,000 gal/day)	13,841	1,153	6,013	332	311	4,034	836	379	2,707	8,503
fuel efficiency (miles/gal)	46.5	35.6	36.9	7.4	5.2	29.2	15.5	14.9	8.6	6.5

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Alpine (GBV)	LDA	Fuel	3.57
2017	Annual	Alpine (GBV)	LDT1	Fuel	0.39
2017	Annual	Alpine (GBV)	LDT2	Fuel	1.88
2017	Annual	Alpine (GBV)	MDV	Fuel	1.72
2017	Annual	Alpine (GBV)	MH	Fuel	0.05
2017	Annual	Alpine (GBV)	MCY	Fuel	0.03
2017	Annual	Alpine (GBV)	LHDT1	Fuel	0.58
2017	Annual	Alpine (GBV)	LHDT2	Fuel	0.15
2017	Annual	Alpine (GBV)	MHDT	Fuel	0.14
2017	Annual	Alpine (GBV)	HHDT	Fuel	2.06
2017	Annual	Alpine (GBV)	SBUS	Fuel	0.03
2017	Annual	Alpine (GBV)	UBUS	Fuel	0.09
2017	Annual	Alpine (GBV)	OBUS	Fuel	0.08
2035	Annual	Alpine (GBV)	LDA	Fuel	2.30
2035	Annual	Alpine (GBV)	LDT1	Fuel	0.19
2035	Annual	Alpine (GBV)	LDT2	Fuel	1.01
2035	Annual	Alpine (GBV)	MDV	Fuel	0.68
2035	Annual	Alpine (GBV)	MH	Fuel	0.02
2035	Annual	Alpine (GBV)	MCY	Fuel	0.03
2035	Annual	Alpine (GBV)	LHDT1	Fuel	0.18
2035	Annual	Alpine (GBV)	LHDT2	Fuel	0.07
2035	Annual	Alpine (GBV)	MHDT	Fuel	0.26
2035	Annual	Alpine (GBV)	HHDT	Fuel	2.54
2035	Annual	Alpine (GBV)	SBUS	Fuel	0.02
2035	Annual	Alpine (GBV)	UBUS	Fuel	0.06
2035	Annual	Alpine (GBV)	OBUS	Fuel	0.10
2017	Annual	Inyo (GBV)	LDA	Fuel	32.35
2017	Annual	Inyo (GBV)	LDT1	Fuel	3.90
2017	Annual	Inyo (GBV)	LDT2	Fuel	17.47
2017	Annual	Inyo (GBV)	MDV	Fuel	16.42
2017	Annual	Inyo (GBV)	MH	Fuel	0.48
2017	Annual	Inyo (GBV)	MCY	Fuel	0.30
2017	Annual	Inyo (GBV)	LHDT1	Fuel	5.66
2017	Annual	Inyo (GBV)	LHDT2	Fuel	1.14
2017	Annual	Inyo (GBV)	MHDT	Fuel	1.97
2017	Annual	Inyo (GBV)	HHDT	Fuel	12.42
2017	Annual	Inyo (GBV)	SBUS	Fuel	0.18
2017	Annual	Inyo (GBV)	UBUS	Fuel	1.20
2017	Annual	Inyo (GBV)	OBUS	Fuel	0.63
2035	Annual	Inyo (GBV)	LDA	Fuel	24.02
2035	Annual	Inyo (GBV)	LDT1	Fuel	1.84
2035	Annual	Inyo (GBV)	LDT2	Fuel	10.50
2035	Annual	Inyo (GBV)	MDV	Fuel	7.10
2035	Annual	Inyo (GBV)	MH	Fuel	0.16
2035	Annual	Inyo (GBV)	MCY	Fuel	0.28

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Inyo (GBV)	LHDT1	Fuel	1.80
2035	Annual	Inyo (GBV)	LHDT2	Fuel	0.63
2035	Annual	Inyo (GBV)	MHDT	Fuel	2.45
2035	Annual	Inyo (GBV)	HHDT	Fuel	14.61
2035	Annual	Inyo (GBV)	SBUS	Fuel	0.15
2035	Annual	Inyo (GBV)	UBUS	Fuel	0.59
2035	Annual	Inyo (GBV)	OBUS	Fuel	0.77
2017	Annual	Mono (GBV)	LDA	Fuel	16.83
2017	Annual	Mono (GBV)	LDT1	Fuel	2.01
2017	Annual	Mono (GBV)	LDT2	Fuel	9.98
2017	Annual	Mono (GBV)	MDV	Fuel	9.68
2017	Annual	Mono (GBV)	MH	Fuel	0.28
2017	Annual	Mono (GBV)	MCY	Fuel	0.17
2017	Annual	Mono (GBV)	LHDT1	Fuel	3.13
2017	Annual	Mono (GBV)	LHDT2	Fuel	0.68
2017	Annual	Mono (GBV)	MHDT	Fuel	1.00
2017	Annual	Mono (GBV)	HHDT	Fuel	8.89
2017	Annual	Mono (GBV)	SBUS	Fuel	0.12
2017	Annual	Mono (GBV)	UBUS	Fuel	0.32
2017	Annual	Mono (GBV)	OBUS	Fuel	0.72
2035	Annual	Mono (GBV)	LDA	Fuel	13.20
2035	Annual	Mono (GBV)	LDT1	Fuel	1.01
2035	Annual	Mono (GBV)	LDT2	Fuel	5.82
2035	Annual	Mono (GBV)	MDV	Fuel	4.02
2035	Annual	Mono (GBV)	MH	Fuel	0.09
2035	Annual	Mono (GBV)	MCY	Fuel	0.16
2035	Annual	Mono (GBV)	LHDT1	Fuel	1.02
2035	Annual	Mono (GBV)	LHDT2	Fuel	0.36
2035	Annual	Mono (GBV)	MHDT	Fuel	1.28
2035	Annual	Mono (GBV)	HHDT	Fuel	10.23
2035	Annual	Mono (GBV)	SBUS	Fuel	0.09
2035	Annual	Mono (GBV)	UBUS	Fuel	0.27
2035	Annual	Mono (GBV)	OBUS	Fuel	1.15
2017	Annual	Lake (LC)	LDA	Fuel	27.76
2017	Annual	Lake (LC)	LDT1	Fuel	4.56
2017	Annual	Lake (LC)	LDT2	Fuel	16.44
2017	Annual	Lake (LC)	MDV	Fuel	15.84
2017	Annual	Lake (LC)	MH	Fuel	0.64
2017	Annual	Lake (LC)	MCY	Fuel	0.30
2017	Annual	Lake (LC)	LHDT1	Fuel	7.09
2017	Annual	Lake (LC)	LHDT2	Fuel	1.12
2017	Annual	Lake (LC)	MHDT	Fuel	3.30
2017	Annual	Lake (LC)	HHDT	Fuel	5.10
2017	Annual	Lake (LC)	SBUS	Fuel	0.25
2017	Annual	Lake (LC)	UBUS	Fuel	0.45

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Lake (LC)	OBUS	Fuel	0.35
2035	Annual	Lake (LC)	LDA	Fuel	22.88
2035	Annual	Lake (LC)	LDT1	Fuel	1.54
2035	Annual	Lake (LC)	LDT2	Fuel	11.79
2035	Annual	Lake (LC)	MDV	Fuel	7.63
2035	Annual	Lake (LC)	MH	Fuel	0.12
2035	Annual	Lake (LC)	MCY	Fuel	0.21
2035	Annual	Lake (LC)	LHDT1	Fuel	1.82
2035	Annual	Lake (LC)	LHDT2	Fuel	0.38
2035	Annual	Lake (LC)	MHDT	Fuel	3.70
2035	Annual	Lake (LC)	HHDT	Fuel	7.46
2035	Annual	Lake (LC)	SBUS	Fuel	0.21
2035	Annual	Lake (LC)	UBUS	Fuel	0.28
2035	Annual	Lake (LC)	OBUS	Fuel	0.30
2017	Annual	El Dorado (LT)	LDA	Fuel	7.99
2017	Annual	El Dorado (LT)	LDT1	Fuel	1.36
2017	Annual	El Dorado (LT)	LDT2	Fuel	7.64
2017	Annual	El Dorado (LT)	MDV	Fuel	6.37
2017	Annual	El Dorado (LT)	MH	Fuel	0.20
2017	Annual	El Dorado (LT)	MCY	Fuel	0.11
2017	Annual	El Dorado (LT)	LHDT1	Fuel	2.30
2017	Annual	El Dorado (LT)	LHDT2	Fuel	0.35
2017	Annual	El Dorado (LT)	MHDT	Fuel	1.13
2017	Annual	El Dorado (LT)	HHDT	Fuel	2.65
2017	Annual	El Dorado (LT)	SBUS	Fuel	0.09
2017	Annual	El Dorado (LT)	UBUS	Fuel	0.30
2017	Annual	El Dorado (LT)	OBUS	Fuel	0.17
2035	Annual	El Dorado (LT)	LDA	Fuel	8.29
2035	Annual	El Dorado (LT)	LDT1	Fuel	0.53
2035	Annual	El Dorado (LT)	LDT2	Fuel	3.76
2035	Annual	El Dorado (LT)	MDV	Fuel	2.58
2035	Annual	El Dorado (LT)	MH	Fuel	0.05
2035	Annual	El Dorado (LT)	MCY	Fuel	0.09
2035	Annual	El Dorado (LT)	LHDT1	Fuel	0.69
2035	Annual	El Dorado (LT)	LHDT2	Fuel	0.17
2035	Annual	El Dorado (LT)	MHDT	Fuel	2.66
2035	Annual	El Dorado (LT)	HHDT	Fuel	3.48
2035	Annual	El Dorado (LT)	SBUS	Fuel	0.09
2035	Annual	El Dorado (LT)	UBUS	Fuel	0.13
2035	Annual	El Dorado (LT)	OBUS	Fuel	0.20
2017	Annual	Placer (LT)	LDA	Fuel	6.46
2017	Annual	Placer (LT)	LDT1	Fuel	0.91
2017	Annual	Placer (LT)	LDT2	Fuel	4.99
2017	Annual	Placer (LT)	MDV	Fuel	4.62
2017	Annual	Placer (LT)	MH	Fuel	0.12

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Placer (LT)	MCY	Fuel	0.11
2017	Annual	Placer (LT)	LHDT1	Fuel	1.89
2017	Annual	Placer (LT)	LHDT2	Fuel	0.46
2017	Annual	Placer (LT)	MHDT	Fuel	1.06
2017	Annual	Placer (LT)	HHDT	Fuel	1.12
2017	Annual	Placer (LT)	SBUS	Fuel	0.01
2017	Annual	Placer (LT)	UBUS	Fuel	0.07
2017	Annual	Placer (LT)	OBUS	Fuel	0.34
2035	Annual	Placer (LT)	LDA	Fuel	6.53
2035	Annual	Placer (LT)	LDT1	Fuel	0.46
2035	Annual	Placer (LT)	LDT2	Fuel	2.83
2035	Annual	Placer (LT)	MDV	Fuel	1.71
2035	Annual	Placer (LT)	MH	Fuel	0.04
2035	Annual	Placer (LT)	MCY	Fuel	0.10
2035	Annual	Placer (LT)	LHDT1	Fuel	0.50
2035	Annual	Placer (LT)	LHDT2	Fuel	0.18
2035	Annual	Placer (LT)	MHDT	Fuel	1.59
2035	Annual	Placer (LT)	HHDT	Fuel	1.23
2035	Annual	Placer (LT)	SBUS	Fuel	0.01
2035	Annual	Placer (LT)	UBUS	Fuel	0.14
2035	Annual	Placer (LT)	OBUS	Fuel	0.26
2017	Annual	Amador (MC)	LDA	Fuel	21.55
2017	Annual	Amador (MC)	LDT1	Fuel	3.27
2017	Annual	Amador (MC)	LDT2	Fuel	11.78
2017	Annual	Amador (MC)	MDV	Fuel	12.82
2017	Annual	Amador (MC)	MH	Fuel	0.67
2017	Annual	Amador (MC)	MCY	Fuel	0.27
2017	Annual	Amador (MC)	LHDT1	Fuel	6.59
2017	Annual	Amador (MC)	LHDT2	Fuel	1.19
2017	Annual	Amador (MC)	MHDT	Fuel	3.72
2017	Annual	Amador (MC)	HHDT	Fuel	3.38
2017	Annual	Amador (MC)	SBUS	Fuel	0.21
2017	Annual	Amador (MC)	UBUS	Fuel	0.33
2017	Annual	Amador (MC)	OBUS	Fuel	0.40
2035	Annual	Amador (MC)	LDA	Fuel	16.86
2035	Annual	Amador (MC)	LDT1	Fuel	1.11
2035	Annual	Amador (MC)	LDT2	Fuel	7.02
2035	Annual	Amador (MC)	MDV	Fuel	5.18
2035	Annual	Amador (MC)	MH	Fuel	0.14
2035	Annual	Amador (MC)	MCY	Fuel	0.19
2035	Annual	Amador (MC)	LHDT1	Fuel	1.70
2035	Annual	Amador (MC)	LHDT2	Fuel	0.41
2035	Annual	Amador (MC)	MHDT	Fuel	5.32
2035	Annual	Amador (MC)	HHDT	Fuel	3.82
2035	Annual	Amador (MC)	SBUS	Fuel	0.19

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Amador (MC)	UBUS	Fuel	0.30
2035	Annual	Amador (MC)	OBUS	Fuel	0.43
2017	Annual	Calaveras (MC)	LDA	Fuel	19.81
2017	Annual	Calaveras (MC)	LDT1	Fuel	2.96
2017	Annual	Calaveras (MC)	LDT2	Fuel	10.34
2017	Annual	Calaveras (MC)	MDV	Fuel	11.43
2017	Annual	Calaveras (MC)	MH	Fuel	0.55
2017	Annual	Calaveras (MC)	MCY	Fuel	0.22
2017	Annual	Calaveras (MC)	LHDT1	Fuel	5.83
2017	Annual	Calaveras (MC)	LHDT2	Fuel	0.98
2017	Annual	Calaveras (MC)	MHDT	Fuel	2.69
2017	Annual	Calaveras (MC)	HHDT	Fuel	5.14
2017	Annual	Calaveras (MC)	SBUS	Fuel	0.25
2017	Annual	Calaveras (MC)	UBUS	Fuel	0.14
2017	Annual	Calaveras (MC)	OBUS	Fuel	0.39
2035	Annual	Calaveras (MC)	LDA	Fuel	16.60
2035	Annual	Calaveras (MC)	LDT1	Fuel	1.00
2035	Annual	Calaveras (MC)	LDT2	Fuel	6.66
2035	Annual	Calaveras (MC)	MDV	Fuel	4.83
2035	Annual	Calaveras (MC)	MH	Fuel	0.11
2035	Annual	Calaveras (MC)	MCY	Fuel	0.16
2035	Annual	Calaveras (MC)	LHDT1	Fuel	1.44
2035	Annual	Calaveras (MC)	LHDT2	Fuel	0.33
2035	Annual	Calaveras (MC)	MHDT	Fuel	3.62
2035	Annual	Calaveras (MC)	HHDT	Fuel	5.22
2035	Annual	Calaveras (MC)	SBUS	Fuel	0.23
2035	Annual	Calaveras (MC)	UBUS	Fuel	0.21
2035	Annual	Calaveras (MC)	OBUS	Fuel	0.48
2017	Annual	El Dorado (MC)	LDA	Fuel	70.02
2017	Annual	El Dorado (MC)	LDT1	Fuel	8.27
2017	Annual	El Dorado (MC)	LDT2	Fuel	43.38
2017	Annual	El Dorado (MC)	MDV	Fuel	39.37
2017	Annual	El Dorado (MC)	MH	Fuel	1.30
2017	Annual	El Dorado (MC)	MCY	Fuel	0.68
2017	Annual	El Dorado (MC)	LHDT1	Fuel	13.16
2017	Annual	El Dorado (MC)	LHDT2	Fuel	2.58
2017	Annual	El Dorado (MC)	MHDT	Fuel	6.52
2017	Annual	El Dorado (MC)	HHDT	Fuel	4.55
2017	Annual	El Dorado (MC)	SBUS	Fuel	0.42
2017	Annual	El Dorado (MC)	UBUS	Fuel	1.03
2017	Annual	El Dorado (MC)	OBUS	Fuel	0.84
2035	Annual	El Dorado (MC)	LDA	Fuel	55.66
2035	Annual	El Dorado (MC)	LDT1	Fuel	4.22
2035	Annual	El Dorado (MC)	LDT2	Fuel	29.49
2035	Annual	El Dorado (MC)	MDV	Fuel	19.14

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	El Dorado (MC)	MH	Fuel	0.37
2035	Annual	El Dorado (MC)	MCY	Fuel	0.60
2035	Annual	El Dorado (MC)	LHDT1	Fuel	4.36
2035	Annual	El Dorado (MC)	LHDT2	Fuel	1.31
2035	Annual	El Dorado (MC)	MHDT	Fuel	9.21
2035	Annual	El Dorado (MC)	HHDT	Fuel	5.07
2035	Annual	El Dorado (MC)	SBUS	Fuel	0.40
2035	Annual	El Dorado (MC)	UBUS	Fuel	0.84
2035	Annual	El Dorado (MC)	OBUS	Fuel	1.04
2017	Annual	Mariposa (MC)	LDA	Fuel	9.37
2017	Annual	Mariposa (MC)	LDT1	Fuel	1.71
2017	Annual	Mariposa (MC)	LDT2	Fuel	5.92
2017	Annual	Mariposa (MC)	MDV	Fuel	6.36
2017	Annual	Mariposa (MC)	MH	Fuel	0.26
2017	Annual	Mariposa (MC)	MCY	Fuel	0.12
2017	Annual	Mariposa (MC)	LHDT1	Fuel	2.71
2017	Annual	Mariposa (MC)	LHDT2	Fuel	0.48
2017	Annual	Mariposa (MC)	MHDT	Fuel	0.81
2017	Annual	Mariposa (MC)	HHDT	Fuel	0.64
2017	Annual	Mariposa (MC)	SBUS	Fuel	0.17
2017	Annual	Mariposa (MC)	UBUS	Fuel	0.11
2017	Annual	Mariposa (MC)	OBUS	Fuel	0.19
2035	Annual	Mariposa (MC)	LDA	Fuel	8.20
2035	Annual	Mariposa (MC)	LDT1	Fuel	0.50
2035	Annual	Mariposa (MC)	LDT2	Fuel	3.29
2035	Annual	Mariposa (MC)	MDV	Fuel	2.51
2035	Annual	Mariposa (MC)	MH	Fuel	0.05
2035	Annual	Mariposa (MC)	MCY	Fuel	0.08
2035	Annual	Mariposa (MC)	LHDT1	Fuel	0.64
2035	Annual	Mariposa (MC)	LHDT2	Fuel	0.15
2035	Annual	Mariposa (MC)	MHDT	Fuel	0.55
2035	Annual	Mariposa (MC)	HHDT	Fuel	0.67
2035	Annual	Mariposa (MC)	SBUS	Fuel	0.15
2035	Annual	Mariposa (MC)	UBUS	Fuel	0.10
2035	Annual	Mariposa (MC)	OBUS	Fuel	0.23
2017	Annual	Nevada (MC)	LDA	Fuel	45.31
2017	Annual	Nevada (MC)	LDT1	Fuel	7.13
2017	Annual	Nevada (MC)	LDT2	Fuel	40.65
2017	Annual	Nevada (MC)	MDV	Fuel	33.23
2017	Annual	Nevada (MC)	MH	Fuel	1.15
2017	Annual	Nevada (MC)	MCY	Fuel	0.63
2017	Annual	Nevada (MC)	LHDT1	Fuel	12.90
2017	Annual	Nevada (MC)	LHDT2	Fuel	2.22
2017	Annual	Nevada (MC)	MHDT	Fuel	5.06
2017	Annual	Nevada (MC)	HHDT	Fuel	32.88

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Nevada (MC)	SBUS	Fuel	0.26
2017	Annual	Nevada (MC)	UBUS	Fuel	0.52
2017	Annual	Nevada (MC)	OBUS	Fuel	0.82
2035	Annual	Nevada (MC)	LDA	Fuel	36.03
2035	Annual	Nevada (MC)	LDT1	Fuel	3.05
2035	Annual	Nevada (MC)	LDT2	Fuel	24.09
2035	Annual	Nevada (MC)	MDV	Fuel	17.45
2035	Annual	Nevada (MC)	MH	Fuel	0.27
2035	Annual	Nevada (MC)	MCY	Fuel	0.45
2035	Annual	Nevada (MC)	LHDT1	Fuel	3.65
2035	Annual	Nevada (MC)	LHDT2	Fuel	0.87
2035	Annual	Nevada (MC)	MHDT	Fuel	6.58
2035	Annual	Nevada (MC)	HHDT	Fuel	41.65
2035	Annual	Nevada (MC)	SBUS	Fuel	0.26
2035	Annual	Nevada (MC)	UBUS	Fuel	0.58
2035	Annual	Nevada (MC)	OBUS	Fuel	0.94
2017	Annual	Placer (MC)	LDA	Fuel	44.00
2017	Annual	Placer (MC)	LDT1	Fuel	4.61
2017	Annual	Placer (MC)	LDT2	Fuel	23.36
2017	Annual	Placer (MC)	MDV	Fuel	20.56
2017	Annual	Placer (MC)	MH	Fuel	0.56
2017	Annual	Placer (MC)	MCY	Fuel	0.57
2017	Annual	Placer (MC)	LHDT1	Fuel	6.07
2017	Annual	Placer (MC)	LHDT2	Fuel	1.32
2017	Annual	Placer (MC)	MHDT	Fuel	1.97
2017	Annual	Placer (MC)	HHDT	Fuel	39.53
2017	Annual	Placer (MC)	SBUS	Fuel	0.08
2017	Annual	Placer (MC)	UBUS	Fuel	0.94
2017	Annual	Placer (MC)	OBUS	Fuel	0.46
2035	Annual	Placer (MC)	LDA	Fuel	36.13
2035	Annual	Placer (MC)	LDT1	Fuel	2.86
2035	Annual	Placer (MC)	LDT2	Fuel	15.61
2035	Annual	Placer (MC)	MDV	Fuel	10.07
2035	Annual	Placer (MC)	MH	Fuel	0.26
2035	Annual	Placer (MC)	MCY	Fuel	0.50
2035	Annual	Placer (MC)	LHDT1	Fuel	2.43
2035	Annual	Placer (MC)	LHDT2	Fuel	1.03
2035	Annual	Placer (MC)	MHDT	Fuel	3.09
2035	Annual	Placer (MC)	HHDT	Fuel	48.46
2035	Annual	Placer (MC)	SBUS	Fuel	0.10
2035	Annual	Placer (MC)	UBUS	Fuel	0.78
2035	Annual	Placer (MC)	OBUS	Fuel	0.54
2017	Annual	Plumas (MC)	LDA	Fuel	12.82
2017	Annual	Plumas (MC)	LDT1	Fuel	2.60
2017	Annual	Plumas (MC)	LDT2	Fuel	10.75

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Plumas (MC)	MDV	Fuel	11.02
2017	Annual	Plumas (MC)	MH	Fuel	0.30
2017	Annual	Plumas (MC)	MCY	Fuel	0.16
2017	Annual	Plumas (MC)	LHDT1	Fuel	4.15
2017	Annual	Plumas (MC)	LHDT2	Fuel	0.68
2017	Annual	Plumas (MC)	MHDT	Fuel	1.37
2017	Annual	Plumas (MC)	HHDT	Fuel	3.18
2017	Annual	Plumas (MC)	SBUS	Fuel	0.07
2017	Annual	Plumas (MC)	UBUS	Fuel	0.39
2017	Annual	Plumas (MC)	OBUS	Fuel	0.21
2035	Annual	Plumas (MC)	LDA	Fuel	10.12
2035	Annual	Plumas (MC)	LDT1	Fuel	0.84
2035	Annual	Plumas (MC)	LDT2	Fuel	5.94
2035	Annual	Plumas (MC)	MDV	Fuel	4.73
2035	Annual	Plumas (MC)	MH	Fuel	0.06
2035	Annual	Plumas (MC)	MCY	Fuel	0.12
2035	Annual	Plumas (MC)	LHDT1	Fuel	0.95
2035	Annual	Plumas (MC)	LHDT2	Fuel	0.23
2035	Annual	Plumas (MC)	MHDT	Fuel	1.85
2035	Annual	Plumas (MC)	HHDT	Fuel	5.39
2035	Annual	Plumas (MC)	SBUS	Fuel	0.07
2035	Annual	Plumas (MC)	UBUS	Fuel	0.19
2035	Annual	Plumas (MC)	OBUS	Fuel	0.25
2017	Annual	Sierra (MC)	LDA	Fuel	5.58
2017	Annual	Sierra (MC)	LDT1	Fuel	0.82
2017	Annual	Sierra (MC)	LDT2	Fuel	3.47
2017	Annual	Sierra (MC)	MDV	Fuel	3.23
2017	Annual	Sierra (MC)	MH	Fuel	0.07
2017	Annual	Sierra (MC)	MCY	Fuel	0.05
2017	Annual	Sierra (MC)	LHDT1	Fuel	1.04
2017	Annual	Sierra (MC)	LHDT2	Fuel	0.20
2017	Annual	Sierra (MC)	MHDT	Fuel	0.25
2017	Annual	Sierra (MC)	HHDT	Fuel	0.46
2017	Annual	Sierra (MC)	SBUS	Fuel	0.02
2017	Annual	Sierra (MC)	UBUS	Fuel	0.15
2017	Annual	Sierra (MC)	OBUS	Fuel	0.08
2035	Annual	Sierra (MC)	LDA	Fuel	3.73
2035	Annual	Sierra (MC)	LDT1	Fuel	0.32
2035	Annual	Sierra (MC)	LDT2	Fuel	1.87
2035	Annual	Sierra (MC)	MDV	Fuel	1.35
2035	Annual	Sierra (MC)	MH	Fuel	0.02
2035	Annual	Sierra (MC)	MCY	Fuel	0.05
2035	Annual	Sierra (MC)	LHDT1	Fuel	0.28
2035	Annual	Sierra (MC)	LHDT2	Fuel	0.10
2035	Annual	Sierra (MC)	MHDT	Fuel	0.18

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Sierra (MC)	HHDT	Fuel	0.48
2035	Annual	Sierra (MC)	SBUS	Fuel	0.02
2035	Annual	Sierra (MC)	UBUS	Fuel	0.08
2035	Annual	Sierra (MC)	OBUS	Fuel	0.07
2017	Annual	Tuolumne (MC)	LDA	Fuel	18.87
2017	Annual	Tuolumne (MC)	LDT1	Fuel	3.94
2017	Annual	Tuolumne (MC)	LDT2	Fuel	13.11
2017	Annual	Tuolumne (MC)	MDV	Fuel	15.28
2017	Annual	Tuolumne (MC)	MH	Fuel	0.60
2017	Annual	Tuolumne (MC)	MCY	Fuel	0.27
2017	Annual	Tuolumne (MC)	LHDT1	Fuel	6.48
2017	Annual	Tuolumne (MC)	LHDT2	Fuel	0.96
2017	Annual	Tuolumne (MC)	MHDT	Fuel	2.42
2017	Annual	Tuolumne (MC)	HHDT	Fuel	2.55
2017	Annual	Tuolumne (MC)	SBUS	Fuel	0.29
2017	Annual	Tuolumne (MC)	UBUS	Fuel	0.36
2017	Annual	Tuolumne (MC)	OBUS	Fuel	0.57
2035	Annual	Tuolumne (MC)	LDA	Fuel	15.15
2035	Annual	Tuolumne (MC)	LDT1	Fuel	1.14
2035	Annual	Tuolumne (MC)	LDT2	Fuel	7.47
2035	Annual	Tuolumne (MC)	MDV	Fuel	5.95
2035	Annual	Tuolumne (MC)	MH	Fuel	0.11
2035	Annual	Tuolumne (MC)	MCY	Fuel	0.18
2035	Annual	Tuolumne (MC)	LHDT1	Fuel	1.60
2035	Annual	Tuolumne (MC)	LHDT2	Fuel	0.34
2035	Annual	Tuolumne (MC)	MHDT	Fuel	2.99
2035	Annual	Tuolumne (MC)	HHDT	Fuel	2.85
2035	Annual	Tuolumne (MC)	SBUS	Fuel	0.27
2035	Annual	Tuolumne (MC)	UBUS	Fuel	0.25
2035	Annual	Tuolumne (MC)	OBUS	Fuel	0.56
2017	Annual	Monterey (NCC)	LDA	Fuel	202.81
2017	Annual	Monterey (NCC)	LDT1	Fuel	16.81
2017	Annual	Monterey (NCC)	LDT2	Fuel	108.67
2017	Annual	Monterey (NCC)	MDV	Fuel	113.79
2017	Annual	Monterey (NCC)	MH	Fuel	1.57
2017	Annual	Monterey (NCC)	MCY	Fuel	2.30
2017	Annual	Monterey (NCC)	LHDT1	Fuel	24.97
2017	Annual	Monterey (NCC)	LHDT2	Fuel	5.73
2017	Annual	Monterey (NCC)	MHDT	Fuel	22.90
2017	Annual	Monterey (NCC)	HHDT	Fuel	44.40
2017	Annual	Monterey (NCC)	SBUS	Fuel	1.65
2017	Annual	Monterey (NCC)	UBUS	Fuel	7.15
2017	Annual	Monterey (NCC)	OBUS	Fuel	6.44
2035	Annual	Monterey (NCC)	LDA	Fuel	142.44
2035	Annual	Monterey (NCC)	LDT1	Fuel	7.43

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Monterey (NCC)	LDT2	Fuel	70.31
2035	Annual	Monterey (NCC)	MDV	Fuel	44.58
2035	Annual	Monterey (NCC)	MH	Fuel	0.76
2035	Annual	Monterey (NCC)	MCY	Fuel	2.20
2035	Annual	Monterey (NCC)	LHDT1	Fuel	8.92
2035	Annual	Monterey (NCC)	LHDT2	Fuel	3.15
2035	Annual	Monterey (NCC)	MHDT	Fuel	27.78
2035	Annual	Monterey (NCC)	HHDT	Fuel	52.70
2035	Annual	Monterey (NCC)	SBUS	Fuel	1.60
2035	Annual	Monterey (NCC)	UBUS	Fuel	4.20
2035	Annual	Monterey (NCC)	OBUS	Fuel	6.75
2017	Annual	San Benito (NCC)	LDA	Fuel	31.80
2017	Annual	San Benito (NCC)	LDT1	Fuel	2.44
2017	Annual	San Benito (NCC)	LDT2	Fuel	15.14
2017	Annual	San Benito (NCC)	MDV	Fuel	17.42
2017	Annual	San Benito (NCC)	MH	Fuel	0.35
2017	Annual	San Benito (NCC)	MCY	Fuel	0.36
2017	Annual	San Benito (NCC)	LHDT1	Fuel	5.01
2017	Annual	San Benito (NCC)	LHDT2	Fuel	0.99
2017	Annual	San Benito (NCC)	MHDT	Fuel	3.11
2017	Annual	San Benito (NCC)	HHDT	Fuel	47.31
2017	Annual	San Benito (NCC)	SBUS	Fuel	0.15
2017	Annual	San Benito (NCC)	UBUS	Fuel	0.50
2017	Annual	San Benito (NCC)	OBUS	Fuel	0.41
2035	Annual	San Benito (NCC)	LDA	Fuel	21.65
2035	Annual	San Benito (NCC)	LDT1	Fuel	1.15
2035	Annual	San Benito (NCC)	LDT2	Fuel	10.15
2035	Annual	San Benito (NCC)	MDV	Fuel	5.95
2035	Annual	San Benito (NCC)	MH	Fuel	0.12
2035	Annual	San Benito (NCC)	MCY	Fuel	0.26
2035	Annual	San Benito (NCC)	LHDT1	Fuel	1.45
2035	Annual	San Benito (NCC)	LHDT2	Fuel	0.46
2035	Annual	San Benito (NCC)	MHDT	Fuel	3.22
2035	Annual	San Benito (NCC)	HHDT	Fuel	61.68
2035	Annual	San Benito (NCC)	SBUS	Fuel	0.16
2035	Annual	San Benito (NCC)	UBUS	Fuel	0.47
2035	Annual	San Benito (NCC)	OBUS	Fuel	0.48
2017	Annual	Santa Cruz (NCC)	LDA	Fuel	85.58
2017	Annual	Santa Cruz (NCC)	LDT1	Fuel	7.49
2017	Annual	Santa Cruz (NCC)	LDT2	Fuel	46.24
2017	Annual	Santa Cruz (NCC)	MDV	Fuel	39.51
2017	Annual	Santa Cruz (NCC)	MH	Fuel	1.04
2017	Annual	Santa Cruz (NCC)	MCY	Fuel	0.84
2017	Annual	Santa Cruz (NCC)	LHDT1	Fuel	10.79
2017	Annual	Santa Cruz (NCC)	LHDT2	Fuel	2.22

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Santa Cruz (NCC)	MHDT	Fuel	11.16
2017	Annual	Santa Cruz (NCC)	HHDT	Fuel	8.84
2017	Annual	Santa Cruz (NCC)	SBUS	Fuel	0.52
2017	Annual	Santa Cruz (NCC)	UBUS	Fuel	3.61
2017	Annual	Santa Cruz (NCC)	OBUS	Fuel	0.81
2035	Annual	Santa Cruz (NCC)	LDA	Fuel	58.53
2035	Annual	Santa Cruz (NCC)	LDT1	Fuel	2.73
2035	Annual	Santa Cruz (NCC)	LDT2	Fuel	26.19
2035	Annual	Santa Cruz (NCC)	MDV	Fuel	17.03
2035	Annual	Santa Cruz (NCC)	MH	Fuel	0.33
2035	Annual	Santa Cruz (NCC)	MCY	Fuel	0.59
2035	Annual	Santa Cruz (NCC)	LHDT1	Fuel	3.55
2035	Annual	Santa Cruz (NCC)	LHDT2	Fuel	1.24
2035	Annual	Santa Cruz (NCC)	MHDT	Fuel	11.39
2035	Annual	Santa Cruz (NCC)	HHDT	Fuel	10.27
2035	Annual	Santa Cruz (NCC)	SBUS	Fuel	0.46
2035	Annual	Santa Cruz (NCC)	UBUS	Fuel	1.28
2035	Annual	Santa Cruz (NCC)	OBUS	Fuel	0.80
2017	Annual	Del Norte (NC)	LDA	Fuel	12.28
2017	Annual	Del Norte (NC)	LDT1	Fuel	1.84
2017	Annual	Del Norte (NC)	LDT2	Fuel	8.04
2017	Annual	Del Norte (NC)	MDV	Fuel	7.96
2017	Annual	Del Norte (NC)	MH	Fuel	0.23
2017	Annual	Del Norte (NC)	MCY	Fuel	0.13
2017	Annual	Del Norte (NC)	LHDT1	Fuel	3.03
2017	Annual	Del Norte (NC)	LHDT2	Fuel	0.43
2017	Annual	Del Norte (NC)	MHDT	Fuel	0.73
2017	Annual	Del Norte (NC)	HHDT	Fuel	0.98
2017	Annual	Del Norte (NC)	SBUS	Fuel	0.11
2017	Annual	Del Norte (NC)	UBUS	Fuel	0.38
2017	Annual	Del Norte (NC)	OBUS	Fuel	0.42
2035	Annual	Del Norte (NC)	LDA	Fuel	9.64
2035	Annual	Del Norte (NC)	LDT1	Fuel	0.63
2035	Annual	Del Norte (NC)	LDT2	Fuel	4.88
2035	Annual	Del Norte (NC)	MDV	Fuel	3.63
2035	Annual	Del Norte (NC)	MH	Fuel	0.05
2035	Annual	Del Norte (NC)	MCY	Fuel	0.09
2035	Annual	Del Norte (NC)	LHDT1	Fuel	0.74
2035	Annual	Del Norte (NC)	LHDT2	Fuel	0.17
2035	Annual	Del Norte (NC)	MHDT	Fuel	0.56
2035	Annual	Del Norte (NC)	HHDT	Fuel	0.83
2035	Annual	Del Norte (NC)	SBUS	Fuel	0.11
2035	Annual	Del Norte (NC)	UBUS	Fuel	0.15
2035	Annual	Del Norte (NC)	OBUS	Fuel	0.52
2017	Annual	Humboldt (NC)	LDA	Fuel	54.19

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Humboldt (NC)	LDT1	Fuel	10.15
2017	Annual	Humboldt (NC)	LDT2	Fuel	35.31
2017	Annual	Humboldt (NC)	MDV	Fuel	33.17
2017	Annual	Humboldt (NC)	MH	Fuel	0.67
2017	Annual	Humboldt (NC)	MCY	Fuel	0.62
2017	Annual	Humboldt (NC)	LHDT1	Fuel	15.60
2017	Annual	Humboldt (NC)	LHDT2	Fuel	2.56
2017	Annual	Humboldt (NC)	MHDT	Fuel	6.27
2017	Annual	Humboldt (NC)	HHDT	Fuel	25.17
2017	Annual	Humboldt (NC)	SBUS	Fuel	0.70
2017	Annual	Humboldt (NC)	UBUS	Fuel	1.50
2017	Annual	Humboldt (NC)	OBUS	Fuel	1.39
2035	Annual	Humboldt (NC)	LDA	Fuel	41.19
2035	Annual	Humboldt (NC)	LDT1	Fuel	2.90
2035	Annual	Humboldt (NC)	LDT2	Fuel	22.22
2035	Annual	Humboldt (NC)	MDV	Fuel	16.12
2035	Annual	Humboldt (NC)	MH	Fuel	0.18
2035	Annual	Humboldt (NC)	MCY	Fuel	0.41
2035	Annual	Humboldt (NC)	LHDT1	Fuel	3.63
2035	Annual	Humboldt (NC)	LHDT2	Fuel	0.78
2035	Annual	Humboldt (NC)	MHDT	Fuel	5.50
2035	Annual	Humboldt (NC)	HHDT	Fuel	26.53
2035	Annual	Humboldt (NC)	SBUS	Fuel	0.62
2035	Annual	Humboldt (NC)	UBUS	Fuel	0.63
2035	Annual	Humboldt (NC)	OBUS	Fuel	1.94
2017	Annual	Mendocino (NC)	LDA	Fuel	50.07
2017	Annual	Mendocino (NC)	LDT1	Fuel	9.12
2017	Annual	Mendocino (NC)	LDT2	Fuel	29.82
2017	Annual	Mendocino (NC)	MDV	Fuel	30.18
2017	Annual	Mendocino (NC)	MH	Fuel	0.74
2017	Annual	Mendocino (NC)	MCY	Fuel	0.53
2017	Annual	Mendocino (NC)	LHDT1	Fuel	13.28
2017	Annual	Mendocino (NC)	LHDT2	Fuel	2.14
2017	Annual	Mendocino (NC)	MHDT	Fuel	6.51
2017	Annual	Mendocino (NC)	HHDT	Fuel	33.42
2017	Annual	Mendocino (NC)	SBUS	Fuel	0.47
2017	Annual	Mendocino (NC)	UBUS	Fuel	1.11
2017	Annual	Mendocino (NC)	OBUS	Fuel	0.64
2035	Annual	Mendocino (NC)	LDA	Fuel	37.47
2035	Annual	Mendocino (NC)	LDT1	Fuel	2.69
2035	Annual	Mendocino (NC)	LDT2	Fuel	19.72
2035	Annual	Mendocino (NC)	MDV	Fuel	14.60
2035	Annual	Mendocino (NC)	MH	Fuel	0.19
2035	Annual	Mendocino (NC)	MCY	Fuel	0.38
2035	Annual	Mendocino (NC)	LHDT1	Fuel	3.34

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Mendocino (NC)	LHDT2	Fuel	0.73
2035	Annual	Mendocino (NC)	MHDT	Fuel	6.41
2035	Annual	Mendocino (NC)	HHDT	Fuel	36.75
2035	Annual	Mendocino (NC)	SBUS	Fuel	0.40
2035	Annual	Mendocino (NC)	UBUS	Fuel	0.60
2035	Annual	Mendocino (NC)	OBUS	Fuel	0.87
2017	Annual	Sonoma (NC)	LDA	Fuel	39.76
2017	Annual	Sonoma (NC)	LDT1	Fuel	4.95
2017	Annual	Sonoma (NC)	LDT2	Fuel	15.63
2017	Annual	Sonoma (NC)	MDV	Fuel	16.90
2017	Annual	Sonoma (NC)	MH	Fuel	0.41
2017	Annual	Sonoma (NC)	MCY	Fuel	0.34
2017	Annual	Sonoma (NC)	LHDT1	Fuel	6.49
2017	Annual	Sonoma (NC)	LHDT2	Fuel	1.28
2017	Annual	Sonoma (NC)	MHDT	Fuel	3.91
2017	Annual	Sonoma (NC)	HHDT	Fuel	8.85
2017	Annual	Sonoma (NC)	SBUS	Fuel	0.15
2017	Annual	Sonoma (NC)	UBUS	Fuel	0.20
2017	Annual	Sonoma (NC)	OBUS	Fuel	0.33
2035	Annual	Sonoma (NC)	LDA	Fuel	31.95
2035	Annual	Sonoma (NC)	LDT1	Fuel	1.48
2035	Annual	Sonoma (NC)	LDT2	Fuel	7.43
2035	Annual	Sonoma (NC)	MDV	Fuel	5.67
2035	Annual	Sonoma (NC)	MH	Fuel	0.13
2035	Annual	Sonoma (NC)	MCY	Fuel	0.24
2035	Annual	Sonoma (NC)	LHDT1	Fuel	1.52
2035	Annual	Sonoma (NC)	LHDT2	Fuel	0.51
2035	Annual	Sonoma (NC)	MHDT	Fuel	4.57
2035	Annual	Sonoma (NC)	HHDT	Fuel	8.37
2035	Annual	Sonoma (NC)	SBUS	Fuel	0.15
2035	Annual	Sonoma (NC)	UBUS	Fuel	0.41
2035	Annual	Sonoma (NC)	OBUS	Fuel	0.57
2017	Annual	Trinity (NC)	LDA	Fuel	11.37
2017	Annual	Trinity (NC)	LDT1	Fuel	2.28
2017	Annual	Trinity (NC)	LDT2	Fuel	7.53
2017	Annual	Trinity (NC)	MDV	Fuel	7.45
2017	Annual	Trinity (NC)	MH	Fuel	0.20
2017	Annual	Trinity (NC)	MCY	Fuel	0.14
2017	Annual	Trinity (NC)	LHDT1	Fuel	2.89
2017	Annual	Trinity (NC)	LHDT2	Fuel	0.41
2017	Annual	Trinity (NC)	MHDT	Fuel	0.64
2017	Annual	Trinity (NC)	HHDT	Fuel	9.72
2017	Annual	Trinity (NC)	SBUS	Fuel	0.09
2017	Annual	Trinity (NC)	UBUS	Fuel	0.25
2017	Annual	Trinity (NC)	OBUS	Fuel	0.13

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Trinity (NC)	LDA	Fuel	9.79
2035	Annual	Trinity (NC)	LDT1	Fuel	0.67
2035	Annual	Trinity (NC)	LDT2	Fuel	4.46
2035	Annual	Trinity (NC)	MDV	Fuel	3.30
2035	Annual	Trinity (NC)	MH	Fuel	0.04
2035	Annual	Trinity (NC)	MCY	Fuel	0.10
2035	Annual	Trinity (NC)	LHDT1	Fuel	0.66
2035	Annual	Trinity (NC)	LHDT2	Fuel	0.16
2035	Annual	Trinity (NC)	MHDT	Fuel	0.60
2035	Annual	Trinity (NC)	HHDT	Fuel	11.16
2035	Annual	Trinity (NC)	SBUS	Fuel	0.08
2035	Annual	Trinity (NC)	UBUS	Fuel	0.13
2035	Annual	Trinity (NC)	OBUS	Fuel	0.18
2017	Annual	Lassen (NEP)	LDA	Fuel	19.90
2017	Annual	Lassen (NEP)	LDT1	Fuel	2.94
2017	Annual	Lassen (NEP)	LDT2	Fuel	13.24
2017	Annual	Lassen (NEP)	MDV	Fuel	14.16
2017	Annual	Lassen (NEP)	MH	Fuel	0.37
2017	Annual	Lassen (NEP)	MCY	Fuel	0.23
2017	Annual	Lassen (NEP)	LHDT1	Fuel	6.61
2017	Annual	Lassen (NEP)	LHDT2	Fuel	1.05
2017	Annual	Lassen (NEP)	MHDT	Fuel	1.55
2017	Annual	Lassen (NEP)	HHDT	Fuel	1.90
2017	Annual	Lassen (NEP)	SBUS	Fuel	0.17
2017	Annual	Lassen (NEP)	UBUS	Fuel	0.62
2017	Annual	Lassen (NEP)	OBUS	Fuel	0.52
2035	Annual	Lassen (NEP)	LDA	Fuel	16.32
2035	Annual	Lassen (NEP)	LDT1	Fuel	1.19
2035	Annual	Lassen (NEP)	LDT2	Fuel	8.07
2035	Annual	Lassen (NEP)	MDV	Fuel	5.78
2035	Annual	Lassen (NEP)	MH	Fuel	0.09
2035	Annual	Lassen (NEP)	MCY	Fuel	0.18
2035	Annual	Lassen (NEP)	LHDT1	Fuel	1.57
2035	Annual	Lassen (NEP)	LHDT2	Fuel	0.37
2035	Annual	Lassen (NEP)	MHDT	Fuel	1.84
2035	Annual	Lassen (NEP)	HHDT	Fuel	1.69
2035	Annual	Lassen (NEP)	SBUS	Fuel	0.15
2035	Annual	Lassen (NEP)	UBUS	Fuel	0.30
2035	Annual	Lassen (NEP)	OBUS	Fuel	0.28
2017	Annual	Modoc (NEP)	LDA	Fuel	8.07
2017	Annual	Modoc (NEP)	LDT1	Fuel	1.04
2017	Annual	Modoc (NEP)	LDT2	Fuel	4.93
2017	Annual	Modoc (NEP)	MDV	Fuel	5.52
2017	Annual	Modoc (NEP)	MH	Fuel	0.10
2017	Annual	Modoc (NEP)	MCY	Fuel	0.07

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Modoc (NEP)	LHDT1	Fuel	2.45
2017	Annual	Modoc (NEP)	LHDT2	Fuel	0.41
2017	Annual	Modoc (NEP)	MHDT	Fuel	0.76
2017	Annual	Modoc (NEP)	HHDT	Fuel	1.16
2017	Annual	Modoc (NEP)	SBUS	Fuel	0.05
2017	Annual	Modoc (NEP)	UBUS	Fuel	0.23
2017	Annual	Modoc (NEP)	OBUS	Fuel	0.17
2035	Annual	Modoc (NEP)	LDA	Fuel	6.20
2035	Annual	Modoc (NEP)	LDT1	Fuel	0.46
2035	Annual	Modoc (NEP)	LDT2	Fuel	2.98
2035	Annual	Modoc (NEP)	MDV	Fuel	2.17
2035	Annual	Modoc (NEP)	MH	Fuel	0.03
2035	Annual	Modoc (NEP)	MCY	Fuel	0.07
2035	Annual	Modoc (NEP)	LHDT1	Fuel	0.53
2035	Annual	Modoc (NEP)	LHDT2	Fuel	0.14
2035	Annual	Modoc (NEP)	MHDT	Fuel	0.86
2035	Annual	Modoc (NEP)	HHDT	Fuel	0.98
2035	Annual	Modoc (NEP)	SBUS	Fuel	0.05
2035	Annual	Modoc (NEP)	UBUS	Fuel	0.11
2035	Annual	Modoc (NEP)	OBUS	Fuel	0.13
2017	Annual	Siskiyou (NEP)	LDA	Fuel	56.87
2017	Annual	Siskiyou (NEP)	LDT1	Fuel	7.57
2017	Annual	Siskiyou (NEP)	LDT2	Fuel	31.46
2017	Annual	Siskiyou (NEP)	MDV	Fuel	30.47
2017	Annual	Siskiyou (NEP)	MH	Fuel	0.73
2017	Annual	Siskiyou (NEP)	MCY	Fuel	0.53
2017	Annual	Siskiyou (NEP)	LHDT1	Fuel	11.21
2017	Annual	Siskiyou (NEP)	LHDT2	Fuel	1.96
2017	Annual	Siskiyou (NEP)	MHDT	Fuel	3.39
2017	Annual	Siskiyou (NEP)	HHDT	Fuel	56.75
2017	Annual	Siskiyou (NEP)	SBUS	Fuel	0.39
2017	Annual	Siskiyou (NEP)	UBUS	Fuel	1.34
2017	Annual	Siskiyou (NEP)	OBUS	Fuel	0.67
2035	Annual	Siskiyou (NEP)	LDA	Fuel	42.33
2035	Annual	Siskiyou (NEP)	LDT1	Fuel	3.08
2035	Annual	Siskiyou (NEP)	LDT2	Fuel	18.89
2035	Annual	Siskiyou (NEP)	MDV	Fuel	13.04
2035	Annual	Siskiyou (NEP)	MH	Fuel	0.24
2035	Annual	Siskiyou (NEP)	MCY	Fuel	0.45
2035	Annual	Siskiyou (NEP)	LHDT1	Fuel	2.98
2035	Annual	Siskiyou (NEP)	LHDT2	Fuel	0.94
2035	Annual	Siskiyou (NEP)	MHDT	Fuel	3.26
2035	Annual	Siskiyou (NEP)	HHDT	Fuel	67.34
2035	Annual	Siskiyou (NEP)	SBUS	Fuel	0.30
2035	Annual	Siskiyou (NEP)	UBUS	Fuel	0.76

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Siskiyou (NEP)	OBUS	Fuel	0.53
2017	Annual	Butte (SV)	LDA	Fuel	68.49
2017	Annual	Butte (SV)	LDT1	Fuel	7.46
2017	Annual	Butte (SV)	LDT2	Fuel	39.66
2017	Annual	Butte (SV)	MDV	Fuel	39.51
2017	Annual	Butte (SV)	MH	Fuel	1.15
2017	Annual	Butte (SV)	MCY	Fuel	0.72
2017	Annual	Butte (SV)	LHDT1	Fuel	14.79
2017	Annual	Butte (SV)	LHDT2	Fuel	2.65
2017	Annual	Butte (SV)	MHDT	Fuel	9.18
2017	Annual	Butte (SV)	HHDT	Fuel	50.73
2017	Annual	Butte (SV)	SBUS	Fuel	0.70
2017	Annual	Butte (SV)	UBUS	Fuel	1.42
2017	Annual	Butte (SV)	OBUS	Fuel	1.12
2035	Annual	Butte (SV)	LDA	Fuel	62.10
2035	Annual	Butte (SV)	LDT1	Fuel	3.50
2035	Annual	Butte (SV)	LDT2	Fuel	22.34
2035	Annual	Butte (SV)	MDV	Fuel	14.44
2035	Annual	Butte (SV)	MH	Fuel	0.33
2035	Annual	Butte (SV)	MCY	Fuel	0.58
2035	Annual	Butte (SV)	LHDT1	Fuel	3.66
2035	Annual	Butte (SV)	LHDT2	Fuel	1.22
2035	Annual	Butte (SV)	MHDT	Fuel	10.88
2035	Annual	Butte (SV)	HHDT	Fuel	65.46
2035	Annual	Butte (SV)	SBUS	Fuel	0.62
2035	Annual	Butte (SV)	UBUS	Fuel	0.95
2035	Annual	Butte (SV)	OBUS	Fuel	0.98
2017	Annual	Colusa (SV)	LDA	Fuel	38.70
2017	Annual	Colusa (SV)	LDT1	Fuel	3.66
2017	Annual	Colusa (SV)	LDT2	Fuel	19.13
2017	Annual	Colusa (SV)	MDV	Fuel	21.61
2017	Annual	Colusa (SV)	MH	Fuel	0.34
2017	Annual	Colusa (SV)	MCY	Fuel	0.29
2017	Annual	Colusa (SV)	LHDT1	Fuel	5.98
2017	Annual	Colusa (SV)	LHDT2	Fuel	1.39
2017	Annual	Colusa (SV)	MHDT	Fuel	2.59
2017	Annual	Colusa (SV)	HHDT	Fuel	22.23
2017	Annual	Colusa (SV)	SBUS	Fuel	0.15
2017	Annual	Colusa (SV)	UBUS	Fuel	0.87
2017	Annual	Colusa (SV)	OBUS	Fuel	0.31
2035	Annual	Colusa (SV)	LDA	Fuel	32.69
2035	Annual	Colusa (SV)	LDT1	Fuel	2.38
2035	Annual	Colusa (SV)	LDT2	Fuel	13.13
2035	Annual	Colusa (SV)	MDV	Fuel	8.78
2035	Annual	Colusa (SV)	MH	Fuel	0.20

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Colusa (SV)	MCY	Fuel	0.33
2035	Annual	Colusa (SV)	LHDT1	Fuel	2.14
2035	Annual	Colusa (SV)	LHDT2	Fuel	0.87
2035	Annual	Colusa (SV)	MHDT	Fuel	2.17
2035	Annual	Colusa (SV)	HHDT	Fuel	28.62
2035	Annual	Colusa (SV)	SBUS	Fuel	0.16
2035	Annual	Colusa (SV)	UBUS	Fuel	0.67
2035	Annual	Colusa (SV)	OBUS	Fuel	0.36
2017	Annual	Glenn (SV)	LDA	Fuel	30.36
2017	Annual	Glenn (SV)	LDT1	Fuel	2.64
2017	Annual	Glenn (SV)	LDT2	Fuel	14.38
2017	Annual	Glenn (SV)	MDV	Fuel	16.60
2017	Annual	Glenn (SV)	MH	Fuel	0.27
2017	Annual	Glenn (SV)	MCY	Fuel	0.23
2017	Annual	Glenn (SV)	LHDT1	Fuel	5.32
2017	Annual	Glenn (SV)	LHDT2	Fuel	1.20
2017	Annual	Glenn (SV)	MHDT	Fuel	2.31
2017	Annual	Glenn (SV)	HHDT	Fuel	18.02
2017	Annual	Glenn (SV)	SBUS	Fuel	0.17
2017	Annual	Glenn (SV)	UBUS	Fuel	0.69
2017	Annual	Glenn (SV)	OBUS	Fuel	0.26
2035	Annual	Glenn (SV)	LDA	Fuel	24.66
2035	Annual	Glenn (SV)	LDT1	Fuel	1.48
2035	Annual	Glenn (SV)	LDT2	Fuel	8.44
2035	Annual	Glenn (SV)	MDV	Fuel	5.62
2035	Annual	Glenn (SV)	MH	Fuel	0.12
2035	Annual	Glenn (SV)	MCY	Fuel	0.21
2035	Annual	Glenn (SV)	LHDT1	Fuel	1.42
2035	Annual	Glenn (SV)	LHDT2	Fuel	0.53
2035	Annual	Glenn (SV)	MHDT	Fuel	2.00
2035	Annual	Glenn (SV)	HHDT	Fuel	22.63
2035	Annual	Glenn (SV)	SBUS	Fuel	0.15
2035	Annual	Glenn (SV)	UBUS	Fuel	0.41
2035	Annual	Glenn (SV)	OBUS	Fuel	0.29
2017	Annual	Placer (SV)	LDA	Fuel	104.34
2017	Annual	Placer (SV)	LDT1	Fuel	12.37
2017	Annual	Placer (SV)	LDT2	Fuel	70.39
2017	Annual	Placer (SV)	MDV	Fuel	63.19
2017	Annual	Placer (SV)	MH	Fuel	1.54
2017	Annual	Placer (SV)	MCY	Fuel	0.95
2017	Annual	Placer (SV)	LHDT1	Fuel	15.79
2017	Annual	Placer (SV)	LHDT2	Fuel	3.87
2017	Annual	Placer (SV)	MHDT	Fuel	22.78
2017	Annual	Placer (SV)	HHDT	Fuel	27.70
2017	Annual	Placer (SV)	SBUS	Fuel	0.86

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Placer (SV)	UBUS	Fuel	1.62
2017	Annual	Placer (SV)	OBUS	Fuel	1.40
2035	Annual	Placer (SV)	LDA	Fuel	85.62
2035	Annual	Placer (SV)	LDT1	Fuel	7.83
2035	Annual	Placer (SV)	LDT2	Fuel	49.95
2035	Annual	Placer (SV)	MDV	Fuel	29.56
2035	Annual	Placer (SV)	MH	Fuel	0.68
2035	Annual	Placer (SV)	MCY	Fuel	1.04
2035	Annual	Placer (SV)	LHDT1	Fuel	6.31
2035	Annual	Placer (SV)	LHDT2	Fuel	2.66
2035	Annual	Placer (SV)	MHDT	Fuel	46.14
2035	Annual	Placer (SV)	HHDT	Fuel	37.78
2035	Annual	Placer (SV)	SBUS	Fuel	0.85
2035	Annual	Placer (SV)	UBUS	Fuel	1.67
2035	Annual	Placer (SV)	OBUS	Fuel	1.50
2017	Annual	Sacramento (SV)	LDA	Fuel	725.02
2017	Annual	Sacramento (SV)	LDT1	Fuel	73.90
2017	Annual	Sacramento (SV)	LDT2	Fuel	365.38
2017	Annual	Sacramento (SV)	MDV	Fuel	325.82
2017	Annual	Sacramento (SV)	MH	Fuel	6.13
2017	Annual	Sacramento (SV)	MCY	Fuel	6.04
2017	Annual	Sacramento (SV)	LHDT1	Fuel	80.89
2017	Annual	Sacramento (SV)	LHDT2	Fuel	18.70
2017	Annual	Sacramento (SV)	MHDT	Fuel	85.08
2017	Annual	Sacramento (SV)	HHDT	Fuel	136.18
2017	Annual	Sacramento (SV)	SBUS	Fuel	2.86
2017	Annual	Sacramento (SV)	UBUS	Fuel	20.06
2017	Annual	Sacramento (SV)	OBUS	Fuel	12.07
2035	Annual	Sacramento (SV)	LDA	Fuel	529.93
2035	Annual	Sacramento (SV)	LDT1	Fuel	40.04
2035	Annual	Sacramento (SV)	LDT2	Fuel	248.19
2035	Annual	Sacramento (SV)	MDV	Fuel	152.41
2035	Annual	Sacramento (SV)	MH	Fuel	3.36
2035	Annual	Sacramento (SV)	MCY	Fuel	6.41
2035	Annual	Sacramento (SV)	LHDT1	Fuel	32.86
2035	Annual	Sacramento (SV)	LHDT2	Fuel	13.78
2035	Annual	Sacramento (SV)	MHDT	Fuel	98.81
2035	Annual	Sacramento (SV)	HHDT	Fuel	190.10
2035	Annual	Sacramento (SV)	SBUS	Fuel	3.00
2035	Annual	Sacramento (SV)	UBUS	Fuel	11.33
2035	Annual	Sacramento (SV)	OBUS	Fuel	11.83
2017	Annual	Shasta (SV)	LDA	Fuel	104.81
2017	Annual	Shasta (SV)	LDT1	Fuel	10.02
2017	Annual	Shasta (SV)	LDT2	Fuel	58.65
2017	Annual	Shasta (SV)	MDV	Fuel	54.81

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Shasta (SV)	MH	Fuel	1.87
2017	Annual	Shasta (SV)	MCY	Fuel	1.16
2017	Annual	Shasta (SV)	LHDT1	Fuel	22.53
2017	Annual	Shasta (SV)	LHDT2	Fuel	4.21
2017	Annual	Shasta (SV)	MHDT	Fuel	10.12
2017	Annual	Shasta (SV)	HHDT	Fuel	85.87
2017	Annual	Shasta (SV)	SBUS	Fuel	1.06
2017	Annual	Shasta (SV)	UBUS	Fuel	2.01
2017	Annual	Shasta (SV)	OBUS	Fuel	1.28
2035	Annual	Shasta (SV)	LDA	Fuel	84.79
2035	Annual	Shasta (SV)	LDT1	Fuel	5.36
2035	Annual	Shasta (SV)	LDT2	Fuel	32.87
2035	Annual	Shasta (SV)	MDV	Fuel	19.77
2035	Annual	Shasta (SV)	MH	Fuel	0.51
2035	Annual	Shasta (SV)	MCY	Fuel	0.82
2035	Annual	Shasta (SV)	LHDT1	Fuel	5.33
2035	Annual	Shasta (SV)	LHDT2	Fuel	1.84
2035	Annual	Shasta (SV)	MHDT	Fuel	11.00
2035	Annual	Shasta (SV)	HHDT	Fuel	111.78
2035	Annual	Shasta (SV)	SBUS	Fuel	0.98
2035	Annual	Shasta (SV)	UBUS	Fuel	1.36
2035	Annual	Shasta (SV)	OBUS	Fuel	1.26
2017	Annual	Solano (SV)	LDA	Fuel	120.11
2017	Annual	Solano (SV)	LDT1	Fuel	11.02
2017	Annual	Solano (SV)	LDT2	Fuel	54.19
2017	Annual	Solano (SV)	MDV	Fuel	52.30
2017	Annual	Solano (SV)	MH	Fuel	1.25
2017	Annual	Solano (SV)	MCY	Fuel	1.60
2017	Annual	Solano (SV)	LHDT1	Fuel	12.41
2017	Annual	Solano (SV)	LHDT2	Fuel	2.87
2017	Annual	Solano (SV)	MHDT	Fuel	5.06
2017	Annual	Solano (SV)	HHDT	Fuel	61.27
2017	Annual	Solano (SV)	SBUS	Fuel	0.38
2017	Annual	Solano (SV)	UBUS	Fuel	3.16
2017	Annual	Solano (SV)	OBUS	Fuel	1.55
2035	Annual	Solano (SV)	LDA	Fuel	88.99
2035	Annual	Solano (SV)	LDT1	Fuel	6.52
2035	Annual	Solano (SV)	LDT2	Fuel	34.17
2035	Annual	Solano (SV)	MDV	Fuel	22.83
2035	Annual	Solano (SV)	MH	Fuel	0.58
2035	Annual	Solano (SV)	MCY	Fuel	1.34
2035	Annual	Solano (SV)	LHDT1	Fuel	5.19
2035	Annual	Solano (SV)	LHDT2	Fuel	2.27
2035	Annual	Solano (SV)	MHDT	Fuel	6.96
2035	Annual	Solano (SV)	HHDT	Fuel	80.07

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Solano (SV)	SBUS	Fuel	0.45
2035	Annual	Solano (SV)	UBUS	Fuel	2.44
2035	Annual	Solano (SV)	OBUS	Fuel	1.58
2017	Annual	Sutter (SV)	LDA	Fuel	41.30
2017	Annual	Sutter (SV)	LDT1	Fuel	2.93
2017	Annual	Sutter (SV)	LDT2	Fuel	20.40
2017	Annual	Sutter (SV)	MDV	Fuel	24.68
2017	Annual	Sutter (SV)	MH	Fuel	0.44
2017	Annual	Sutter (SV)	MCY	Fuel	0.26
2017	Annual	Sutter (SV)	LHDT1	Fuel	8.64
2017	Annual	Sutter (SV)	LHDT2	Fuel	1.81
2017	Annual	Sutter (SV)	MHDT	Fuel	8.66
2017	Annual	Sutter (SV)	HHDT	Fuel	47.46
2017	Annual	Sutter (SV)	SBUS	Fuel	0.38
2017	Annual	Sutter (SV)	UBUS	Fuel	0.16
2017	Annual	Sutter (SV)	OBUS	Fuel	0.32
2035	Annual	Sutter (SV)	LDA	Fuel	40.39
2035	Annual	Sutter (SV)	LDT1	Fuel	2.36
2035	Annual	Sutter (SV)	LDT2	Fuel	15.23
2035	Annual	Sutter (SV)	MDV	Fuel	9.49
2035	Annual	Sutter (SV)	MH	Fuel	0.21
2035	Annual	Sutter (SV)	MCY	Fuel	0.30
2035	Annual	Sutter (SV)	LHDT1	Fuel	2.53
2035	Annual	Sutter (SV)	LHDT2	Fuel	0.91
2035	Annual	Sutter (SV)	MHDT	Fuel	12.58
2035	Annual	Sutter (SV)	HHDT	Fuel	61.94
2035	Annual	Sutter (SV)	SBUS	Fuel	0.38
2035	Annual	Sutter (SV)	UBUS	Fuel	0.45
2035	Annual	Sutter (SV)	OBUS	Fuel	0.43
2017	Annual	Tehama (SV)	LDA	Fuel	60.36
2017	Annual	Tehama (SV)	LDT1	Fuel	5.09
2017	Annual	Tehama (SV)	LDT2	Fuel	27.88
2017	Annual	Tehama (SV)	MDV	Fuel	29.46
2017	Annual	Tehama (SV)	MH	Fuel	0.76
2017	Annual	Tehama (SV)	MCY	Fuel	0.52
2017	Annual	Tehama (SV)	LHDT1	Fuel	10.98
2017	Annual	Tehama (SV)	LHDT2	Fuel	2.30
2017	Annual	Tehama (SV)	MHDT	Fuel	3.54
2017	Annual	Tehama (SV)	HHDT	Fuel	59.62
2017	Annual	Tehama (SV)	SBUS	Fuel	0.41
2017	Annual	Tehama (SV)	UBUS	Fuel	1.07
2017	Annual	Tehama (SV)	OBUS	Fuel	0.66
2035	Annual	Tehama (SV)	LDA	Fuel	49.13
2035	Annual	Tehama (SV)	LDT1	Fuel	2.80
2035	Annual	Tehama (SV)	LDT2	Fuel	16.31

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Tehama (SV)	MDV	Fuel	10.69
2035	Annual	Tehama (SV)	MH	Fuel	0.26
2035	Annual	Tehama (SV)	MCY	Fuel	0.44
2035	Annual	Tehama (SV)	LHDT1	Fuel	2.81
2035	Annual	Tehama (SV)	LHDT2	Fuel	1.03
2035	Annual	Tehama (SV)	MHDT	Fuel	4.80
2035	Annual	Tehama (SV)	HHDT	Fuel	76.61
2035	Annual	Tehama (SV)	SBUS	Fuel	0.41
2035	Annual	Tehama (SV)	UBUS	Fuel	0.77
2035	Annual	Tehama (SV)	OBUS	Fuel	0.61
2017	Annual	Yolo (SV)	LDA	Fuel	115.32
2017	Annual	Yolo (SV)	LDT1	Fuel	13.62
2017	Annual	Yolo (SV)	LDT2	Fuel	65.51
2017	Annual	Yolo (SV)	MDV	Fuel	61.43
2017	Annual	Yolo (SV)	MH	Fuel	0.99
2017	Annual	Yolo (SV)	MCY	Fuel	1.12
2017	Annual	Yolo (SV)	LHDT1	Fuel	17.52
2017	Annual	Yolo (SV)	LHDT2	Fuel	3.56
2017	Annual	Yolo (SV)	MHDT	Fuel	35.56
2017	Annual	Yolo (SV)	HHDT	Fuel	43.43
2017	Annual	Yolo (SV)	SBUS	Fuel	0.63
2017	Annual	Yolo (SV)	UBUS	Fuel	3.01
2017	Annual	Yolo (SV)	OBUS	Fuel	0.99
2035	Annual	Yolo (SV)	LDA	Fuel	88.86
2035	Annual	Yolo (SV)	LDT1	Fuel	7.50
2035	Annual	Yolo (SV)	LDT2	Fuel	45.80
2035	Annual	Yolo (SV)	MDV	Fuel	27.47
2035	Annual	Yolo (SV)	MH	Fuel	0.59
2035	Annual	Yolo (SV)	MCY	Fuel	1.15
2035	Annual	Yolo (SV)	LHDT1	Fuel	6.21
2035	Annual	Yolo (SV)	LHDT2	Fuel	2.47
2035	Annual	Yolo (SV)	MHDT	Fuel	70.97
2035	Annual	Yolo (SV)	HHDT	Fuel	61.16
2035	Annual	Yolo (SV)	SBUS	Fuel	0.61
2035	Annual	Yolo (SV)	UBUS	Fuel	1.97
2035	Annual	Yolo (SV)	OBUS	Fuel	1.23
2017	Annual	Yuba (SV)	LDA	Fuel	35.01
2017	Annual	Yuba (SV)	LDT1	Fuel	2.64
2017	Annual	Yuba (SV)	LDT2	Fuel	16.33
2017	Annual	Yuba (SV)	MDV	Fuel	17.12
2017	Annual	Yuba (SV)	MH	Fuel	0.34
2017	Annual	Yuba (SV)	MCY	Fuel	0.32
2017	Annual	Yuba (SV)	LHDT1	Fuel	5.73
2017	Annual	Yuba (SV)	LHDT2	Fuel	1.05
2017	Annual	Yuba (SV)	MHDT	Fuel	2.04

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Yuba (SV)	HHDT	Fuel	4.67
2017	Annual	Yuba (SV)	SBUS	Fuel	0.27
2017	Annual	Yuba (SV)	UBUS	Fuel	1.02
2017	Annual	Yuba (SV)	OBUS	Fuel	0.45
2035	Annual	Yuba (SV)	LDA	Fuel	32.15
2035	Annual	Yuba (SV)	LDT1	Fuel	1.53
2035	Annual	Yuba (SV)	LDT2	Fuel	9.90
2035	Annual	Yuba (SV)	MDV	Fuel	6.30
2035	Annual	Yuba (SV)	MH	Fuel	0.13
2035	Annual	Yuba (SV)	MCY	Fuel	0.26
2035	Annual	Yuba (SV)	LHDT1	Fuel	1.46
2035	Annual	Yuba (SV)	LHDT2	Fuel	0.52
2035	Annual	Yuba (SV)	MHDT	Fuel	2.05
2035	Annual	Yuba (SV)	HHDT	Fuel	5.90
2035	Annual	Yuba (SV)	SBUS	Fuel	0.24
2035	Annual	Yuba (SV)	UBUS	Fuel	0.52
2035	Annual	Yuba (SV)	OBUS	Fuel	0.54
2017	Annual	San Diego (SD)	LDA	Fuel	1,727.47
2017	Annual	San Diego (SD)	LDT1	Fuel	174.26
2017	Annual	San Diego (SD)	LDT2	Fuel	804.16
2017	Annual	San Diego (SD)	MDV	Fuel	656.52
2017	Annual	San Diego (SD)	MH	Fuel	18.06
2017	Annual	San Diego (SD)	MCY	Fuel	14.71
2017	Annual	San Diego (SD)	LHDT1	Fuel	133.24
2017	Annual	San Diego (SD)	LHDT2	Fuel	37.70
2017	Annual	San Diego (SD)	MHDT	Fuel	146.96
2017	Annual	San Diego (SD)	HHDT	Fuel	316.39
2017	Annual	San Diego (SD)	SBUS	Fuel	7.48
2017	Annual	San Diego (SD)	UBUS	Fuel	38.46
2017	Annual	San Diego (SD)	OBUS	Fuel	22.69
2035	Annual	San Diego (SD)	LDA	Fuel	1,240.37
2035	Annual	San Diego (SD)	LDT1	Fuel	97.00
2035	Annual	San Diego (SD)	LDT2	Fuel	442.76
2035	Annual	San Diego (SD)	MDV	Fuel	298.78
2035	Annual	San Diego (SD)	MH	Fuel	8.87
2035	Annual	San Diego (SD)	MCY	Fuel	14.62
2035	Annual	San Diego (SD)	LHDT1	Fuel	70.59
2035	Annual	San Diego (SD)	LHDT2	Fuel	35.43
2035	Annual	San Diego (SD)	MHDT	Fuel	204.56
2035	Annual	San Diego (SD)	HHDT	Fuel	389.12
2035	Annual	San Diego (SD)	SBUS	Fuel	8.52
2035	Annual	San Diego (SD)	UBUS	Fuel	28.46
2035	Annual	San Diego (SD)	OBUS	Fuel	26.21
2017	Annual	Alameda (SF)	LDA	Fuel	850.15
2017	Annual	Alameda (SF)	LDT1	Fuel	80.60

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Alameda (SF)	LDT2	Fuel	394.92
2017	Annual	Alameda (SF)	MDV	Fuel	307.46
2017	Annual	Alameda (SF)	MH	Fuel	4.92
2017	Annual	Alameda (SF)	MCY	Fuel	6.32
2017	Annual	Alameda (SF)	LHDT1	Fuel	69.45
2017	Annual	Alameda (SF)	LHDT2	Fuel	18.35
2017	Annual	Alameda (SF)	MHDT	Fuel	109.29
2017	Annual	Alameda (SF)	HHDT	Fuel	296.20
2017	Annual	Alameda (SF)	SBUS	Fuel	1.34
2017	Annual	Alameda (SF)	UBUS	Fuel	32.97
2017	Annual	Alameda (SF)	OBUS	Fuel	12.14
2035	Annual	Alameda (SF)	LDA	Fuel	537.62
2035	Annual	Alameda (SF)	LDT1	Fuel	42.52
2035	Annual	Alameda (SF)	LDT2	Fuel	221.62
2035	Annual	Alameda (SF)	MDV	Fuel	152.47
2035	Annual	Alameda (SF)	MH	Fuel	3.85
2035	Annual	Alameda (SF)	MCY	Fuel	6.46
2035	Annual	Alameda (SF)	LHDT1	Fuel	36.15
2035	Annual	Alameda (SF)	LHDT2	Fuel	16.58
2035	Annual	Alameda (SF)	MHDT	Fuel	147.52
2035	Annual	Alameda (SF)	HHDT	Fuel	371.83
2035	Annual	Alameda (SF)	SBUS	Fuel	1.89
2035	Annual	Alameda (SF)	UBUS	Fuel	14.97
2035	Annual	Alameda (SF)	OBUS	Fuel	14.60
2017	Annual	Contra Costa (SF)	LDA	Fuel	500.25
2017	Annual	Contra Costa (SF)	LDT1	Fuel	47.23
2017	Annual	Contra Costa (SF)	LDT2	Fuel	229.37
2017	Annual	Contra Costa (SF)	MDV	Fuel	218.62
2017	Annual	Contra Costa (SF)	MH	Fuel	3.64
2017	Annual	Contra Costa (SF)	MCY	Fuel	3.77
2017	Annual	Contra Costa (SF)	LHDT1	Fuel	42.71
2017	Annual	Contra Costa (SF)	LHDT2	Fuel	10.36
2017	Annual	Contra Costa (SF)	MHDT	Fuel	33.15
2017	Annual	Contra Costa (SF)	HHDT	Fuel	96.05
2017	Annual	Contra Costa (SF)	SBUS	Fuel	9.30
2017	Annual	Contra Costa (SF)	UBUS	Fuel	10.53
2017	Annual	Contra Costa (SF)	OBUS	Fuel	5.53
2035	Annual	Contra Costa (SF)	LDA	Fuel	362.56
2035	Annual	Contra Costa (SF)	LDT1	Fuel	25.98
2035	Annual	Contra Costa (SF)	LDT2	Fuel	135.50
2035	Annual	Contra Costa (SF)	MDV	Fuel	100.05
2035	Annual	Contra Costa (SF)	MH	Fuel	2.40
2035	Annual	Contra Costa (SF)	MCY	Fuel	3.91
2035	Annual	Contra Costa (SF)	LHDT1	Fuel	21.98
2035	Annual	Contra Costa (SF)	LHDT2	Fuel	10.01

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Contra Costa (SF)	MHDT	Fuel	38.05
2035	Annual	Contra Costa (SF)	HHDT	Fuel	119.05
2035	Annual	Contra Costa (SF)	SBUS	Fuel	9.51
2035	Annual	Contra Costa (SF)	UBUS	Fuel	8.36
2035	Annual	Contra Costa (SF)	OBUS	Fuel	6.76
2017	Annual	Marin (SF)	LDA	Fuel	165.20
2017	Annual	Marin (SF)	LDT1	Fuel	16.23
2017	Annual	Marin (SF)	LDT2	Fuel	79.38
2017	Annual	Marin (SF)	MDV	Fuel	59.44
2017	Annual	Marin (SF)	MH	Fuel	0.94
2017	Annual	Marin (SF)	MCY	Fuel	1.31
2017	Annual	Marin (SF)	LHDT1	Fuel	13.40
2017	Annual	Marin (SF)	LHDT2	Fuel	3.23
2017	Annual	Marin (SF)	MHDT	Fuel	10.14
2017	Annual	Marin (SF)	HHDT	Fuel	14.22
2017	Annual	Marin (SF)	SBUS	Fuel	0.66
2017	Annual	Marin (SF)	UBUS	Fuel	8.47
2017	Annual	Marin (SF)	OBUS	Fuel	2.31
2035	Annual	Marin (SF)	LDA	Fuel	103.09
2035	Annual	Marin (SF)	LDT1	Fuel	7.89
2035	Annual	Marin (SF)	LDT2	Fuel	41.20
2035	Annual	Marin (SF)	MDV	Fuel	27.69
2035	Annual	Marin (SF)	MH	Fuel	0.72
2035	Annual	Marin (SF)	MCY	Fuel	1.22
2035	Annual	Marin (SF)	LHDT1	Fuel	6.73
2035	Annual	Marin (SF)	LHDT2	Fuel	3.10
2035	Annual	Marin (SF)	MHDT	Fuel	11.20
2035	Annual	Marin (SF)	HHDT	Fuel	17.24
2035	Annual	Marin (SF)	SBUS	Fuel	0.73
2035	Annual	Marin (SF)	UBUS	Fuel	3.18
2035	Annual	Marin (SF)	OBUS	Fuel	2.35
2017	Annual	Napa (SF)	LDA	Fuel	59.54
2017	Annual	Napa (SF)	LDT1	Fuel	6.06
2017	Annual	Napa (SF)	LDT2	Fuel	27.22
2017	Annual	Napa (SF)	MDV	Fuel	27.17
2017	Annual	Napa (SF)	MH	Fuel	0.61
2017	Annual	Napa (SF)	MCY	Fuel	0.50
2017	Annual	Napa (SF)	LHDT1	Fuel	8.20
2017	Annual	Napa (SF)	LHDT2	Fuel	1.92
2017	Annual	Napa (SF)	MHDT	Fuel	7.68
2017	Annual	Napa (SF)	HHDT	Fuel	19.10
2017	Annual	Napa (SF)	SBUS	Fuel	0.40
2017	Annual	Napa (SF)	UBUS	Fuel	1.34
2017	Annual	Napa (SF)	OBUS	Fuel	1.69
2035	Annual	Napa (SF)	LDA	Fuel	45.63

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Napa (SF)	LDT1	Fuel	2.82
2035	Annual	Napa (SF)	LDT2	Fuel	14.60
2035	Annual	Napa (SF)	MDV	Fuel	10.66
2035	Annual	Napa (SF)	MH	Fuel	0.28
2035	Annual	Napa (SF)	MCY	Fuel	0.46
2035	Annual	Napa (SF)	LHDT1	Fuel	2.81
2035	Annual	Napa (SF)	LHDT2	Fuel	1.13
2035	Annual	Napa (SF)	MHDT	Fuel	6.69
2035	Annual	Napa (SF)	HHDT	Fuel	22.25
2035	Annual	Napa (SF)	SBUS	Fuel	0.42
2035	Annual	Napa (SF)	UBUS	Fuel	1.02
2035	Annual	Napa (SF)	OBUS	Fuel	1.89
2017	Annual	San Francisco (SF)	LDA	Fuel	231.57
2017	Annual	San Francisco (SF)	LDT1	Fuel	20.05
2017	Annual	San Francisco (SF)	LDT2	Fuel	96.01
2017	Annual	San Francisco (SF)	MDV	Fuel	55.11
2017	Annual	San Francisco (SF)	MH	Fuel	0.55
2017	Annual	San Francisco (SF)	MCY	Fuel	2.21
2017	Annual	San Francisco (SF)	LHDT1	Fuel	14.49
2017	Annual	San Francisco (SF)	LHDT2	Fuel	3.68
2017	Annual	San Francisco (SF)	MHDT	Fuel	29.81
2017	Annual	San Francisco (SF)	HHDT	Fuel	17.93
2017	Annual	San Francisco (SF)	SBUS	Fuel	1.05
2017	Annual	San Francisco (SF)	UBUS	Fuel	14.35
2017	Annual	San Francisco (SF)	OBUS	Fuel	5.95
2035	Annual	San Francisco (SF)	LDA	Fuel	135.87
2035	Annual	San Francisco (SF)	LDT1	Fuel	10.38
2035	Annual	San Francisco (SF)	LDT2	Fuel	54.28
2035	Annual	San Francisco (SF)	MDV	Fuel	32.56
2035	Annual	San Francisco (SF)	MH	Fuel	0.85
2035	Annual	San Francisco (SF)	MCY	Fuel	1.69
2035	Annual	San Francisco (SF)	LHDT1	Fuel	8.26
2035	Annual	San Francisco (SF)	LHDT2	Fuel	3.88
2035	Annual	San Francisco (SF)	MHDT	Fuel	43.31
2035	Annual	San Francisco (SF)	HHDT	Fuel	18.02
2035	Annual	San Francisco (SF)	SBUS	Fuel	1.09
2035	Annual	San Francisco (SF)	UBUS	Fuel	3.91
2035	Annual	San Francisco (SF)	OBUS	Fuel	5.94
2017	Annual	San Mateo (SF)	LDA	Fuel	333.37
2017	Annual	San Mateo (SF)	LDT1	Fuel	36.66
2017	Annual	San Mateo (SF)	LDT2	Fuel	200.31
2017	Annual	San Mateo (SF)	MDV	Fuel	145.00
2017	Annual	San Mateo (SF)	MH	Fuel	1.74
2017	Annual	San Mateo (SF)	MCY	Fuel	3.85
2017	Annual	San Mateo (SF)	LHDT1	Fuel	28.59

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	San Mateo (SF)	LHDT2	Fuel	8.84
2017	Annual	San Mateo (SF)	MHDT	Fuel	43.59
2017	Annual	San Mateo (SF)	HHDT	Fuel	23.25
2017	Annual	San Mateo (SF)	SBUS	Fuel	0.77
2017	Annual	San Mateo (SF)	UBUS	Fuel	14.42
2017	Annual	San Mateo (SF)	OBUS	Fuel	9.46
2035	Annual	San Mateo (SF)	LDA	Fuel	175.76
2035	Annual	San Mateo (SF)	LDT1	Fuel	26.09
2035	Annual	San Mateo (SF)	LDT2	Fuel	138.00
2035	Annual	San Mateo (SF)	MDV	Fuel	90.71
2035	Annual	San Mateo (SF)	MH	Fuel	2.46
2035	Annual	San Mateo (SF)	MCY	Fuel	5.01
2035	Annual	San Mateo (SF)	LHDT1	Fuel	22.29
2035	Annual	San Mateo (SF)	LHDT2	Fuel	11.10
2035	Annual	San Mateo (SF)	MHDT	Fuel	67.12
2035	Annual	San Mateo (SF)	HHDT	Fuel	23.52
2035	Annual	San Mateo (SF)	SBUS	Fuel	1.26
2035	Annual	San Mateo (SF)	UBUS	Fuel	10.91
2035	Annual	San Mateo (SF)	OBUS	Fuel	12.42
2017	Annual	Santa Clara (SF)	LDA	Fuel	984.79
2017	Annual	Santa Clara (SF)	LDT1	Fuel	82.16
2017	Annual	Santa Clara (SF)	LDT2	Fuel	431.11
2017	Annual	Santa Clara (SF)	MDV	Fuel	333.21
2017	Annual	Santa Clara (SF)	MH	Fuel	5.81
2017	Annual	Santa Clara (SF)	MCY	Fuel	6.66
2017	Annual	Santa Clara (SF)	LHDT1	Fuel	69.06
2017	Annual	Santa Clara (SF)	LHDT2	Fuel	18.95
2017	Annual	Santa Clara (SF)	MHDT	Fuel	71.05
2017	Annual	Santa Clara (SF)	HHDT	Fuel	159.57
2017	Annual	Santa Clara (SF)	SBUS	Fuel	3.44
2017	Annual	Santa Clara (SF)	UBUS	Fuel	17.68
2017	Annual	Santa Clara (SF)	OBUS	Fuel	13.40
2035	Annual	Santa Clara (SF)	LDA	Fuel	663.96
2035	Annual	Santa Clara (SF)	LDT1	Fuel	46.00
2035	Annual	Santa Clara (SF)	LDT2	Fuel	240.72
2035	Annual	Santa Clara (SF)	MDV	Fuel	172.22
2035	Annual	Santa Clara (SF)	MH	Fuel	4.50
2035	Annual	Santa Clara (SF)	MCY	Fuel	7.11
2035	Annual	Santa Clara (SF)	LHDT1	Fuel	40.85
2035	Annual	Santa Clara (SF)	LHDT2	Fuel	19.39
2035	Annual	Santa Clara (SF)	MHDT	Fuel	84.41
2035	Annual	Santa Clara (SF)	HHDT	Fuel	192.49
2035	Annual	Santa Clara (SF)	SBUS	Fuel	3.82
2035	Annual	Santa Clara (SF)	UBUS	Fuel	15.20
2035	Annual	Santa Clara (SF)	OBUS	Fuel	16.42

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Solano (SF)	LDA	Fuel	209.09
2017	Annual	Solano (SF)	LDT1	Fuel	18.31
2017	Annual	Solano (SF)	LDT2	Fuel	86.80
2017	Annual	Solano (SF)	MDV	Fuel	82.96
2017	Annual	Solano (SF)	MH	Fuel	1.76
2017	Annual	Solano (SF)	MCY	Fuel	1.63
2017	Annual	Solano (SF)	LHDT1	Fuel	18.69
2017	Annual	Solano (SF)	LHDT2	Fuel	4.73
2017	Annual	Solano (SF)	MHDT	Fuel	14.62
2017	Annual	Solano (SF)	HHDT	Fuel	45.15
2017	Annual	Solano (SF)	SBUS	Fuel	0.74
2017	Annual	Solano (SF)	UBUS	Fuel	5.70
2017	Annual	Solano (SF)	OBUS	Fuel	5.50
2035	Annual	Solano (SF)	LDA	Fuel	152.62
2035	Annual	Solano (SF)	LDT1	Fuel	10.06
2035	Annual	Solano (SF)	LDT2	Fuel	52.43
2035	Annual	Solano (SF)	MDV	Fuel	36.71
2035	Annual	Solano (SF)	MH	Fuel	0.95
2035	Annual	Solano (SF)	MCY	Fuel	1.54
2035	Annual	Solano (SF)	LHDT1	Fuel	8.61
2035	Annual	Solano (SF)	LHDT2	Fuel	3.86
2035	Annual	Solano (SF)	MHDT	Fuel	14.00
2035	Annual	Solano (SF)	HHDT	Fuel	56.70
2035	Annual	Solano (SF)	SBUS	Fuel	0.79
2035	Annual	Solano (SF)	UBUS	Fuel	3.37
2035	Annual	Solano (SF)	OBUS	Fuel	6.64
2017	Annual	Sonoma (SF)	LDA	Fuel	143.39
2017	Annual	Sonoma (SF)	LDT1	Fuel	15.63
2017	Annual	Sonoma (SF)	LDT2	Fuel	67.93
2017	Annual	Sonoma (SF)	MDV	Fuel	61.42
2017	Annual	Sonoma (SF)	MH	Fuel	1.49
2017	Annual	Sonoma (SF)	MCY	Fuel	1.25
2017	Annual	Sonoma (SF)	LHDT1	Fuel	21.17
2017	Annual	Sonoma (SF)	LHDT2	Fuel	4.86
2017	Annual	Sonoma (SF)	MHDT	Fuel	26.44
2017	Annual	Sonoma (SF)	HHDT	Fuel	31.23
2017	Annual	Sonoma (SF)	SBUS	Fuel	0.89
2017	Annual	Sonoma (SF)	UBUS	Fuel	4.16
2017	Annual	Sonoma (SF)	OBUS	Fuel	3.48
2035	Annual	Sonoma (SF)	LDA	Fuel	106.72
2035	Annual	Sonoma (SF)	LDT1	Fuel	6.84
2035	Annual	Sonoma (SF)	LDT2	Fuel	35.42
2035	Annual	Sonoma (SF)	MDV	Fuel	24.06
2035	Annual	Sonoma (SF)	MH	Fuel	0.66
2035	Annual	Sonoma (SF)	MCY	Fuel	0.94

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Sonoma (SF)	LHDT1	Fuel	6.77
2035	Annual	Sonoma (SF)	LHDT2	Fuel	2.67
2035	Annual	Sonoma (SF)	MHDT	Fuel	35.04
2035	Annual	Sonoma (SF)	HHDT	Fuel	42.85
2035	Annual	Sonoma (SF)	SBUS	Fuel	0.98
2035	Annual	Sonoma (SF)	UBUS	Fuel	2.20
2035	Annual	Sonoma (SF)	OBUS	Fuel	3.93
2017	Annual	Fresno (SJV)	LDA	Fuel	283.93
2017	Annual	Fresno (SJV)	LDT1	Fuel	27.26
2017	Annual	Fresno (SJV)	LDT2	Fuel	141.23
2017	Annual	Fresno (SJV)	MDV	Fuel	167.60
2017	Annual	Fresno (SJV)	MH	Fuel	1.96
2017	Annual	Fresno (SJV)	MCY	Fuel	2.52
2017	Annual	Fresno (SJV)	LHDT1	Fuel	31.89
2017	Annual	Fresno (SJV)	LHDT2	Fuel	8.45
2017	Annual	Fresno (SJV)	MHDT	Fuel	64.40
2017	Annual	Fresno (SJV)	HHDT	Fuel	343.02
2017	Annual	Fresno (SJV)	SBUS	Fuel	2.61
2017	Annual	Fresno (SJV)	UBUS	Fuel	7.02
2017	Annual	Fresno (SJV)	OBUS	Fuel	6.13
2035	Annual	Fresno (SJV)	LDA	Fuel	233.95
2035	Annual	Fresno (SJV)	LDT1	Fuel	16.42
2035	Annual	Fresno (SJV)	LDT2	Fuel	101.45
2035	Annual	Fresno (SJV)	MDV	Fuel	65.90
2035	Annual	Fresno (SJV)	MH	Fuel	1.19
2035	Annual	Fresno (SJV)	MCY	Fuel	2.58
2035	Annual	Fresno (SJV)	LHDT1	Fuel	12.75
2035	Annual	Fresno (SJV)	LHDT2	Fuel	5.09
2035	Annual	Fresno (SJV)	MHDT	Fuel	87.08
2035	Annual	Fresno (SJV)	HHDT	Fuel	434.79
2035	Annual	Fresno (SJV)	SBUS	Fuel	2.55
2035	Annual	Fresno (SJV)	UBUS	Fuel	4.64
2035	Annual	Fresno (SJV)	OBUS	Fuel	7.01
2017	Annual	Kern (SJV)	LDA	Fuel	438.69
2017	Annual	Kern (SJV)	LDT1	Fuel	39.46
2017	Annual	Kern (SJV)	LDT2	Fuel	210.96
2017	Annual	Kern (SJV)	MDV	Fuel	268.88
2017	Annual	Kern (SJV)	MH	Fuel	3.57
2017	Annual	Kern (SJV)	MCY	Fuel	3.89
2017	Annual	Kern (SJV)	LHDT1	Fuel	52.15
2017	Annual	Kern (SJV)	LHDT2	Fuel	17.53
2017	Annual	Kern (SJV)	MHDT	Fuel	72.79
2017	Annual	Kern (SJV)	HHDT	Fuel	588.22
2017	Annual	Kern (SJV)	SBUS	Fuel	3.08
2017	Annual	Kern (SJV)	UBUS	Fuel	11.43

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Kern (SJV)	OBUS	Fuel	5.79
2035	Annual	Kern (SJV)	LDA	Fuel	406.04
2035	Annual	Kern (SJV)	LDT1	Fuel	30.06
2035	Annual	Kern (SJV)	LDT2	Fuel	182.06
2035	Annual	Kern (SJV)	MDV	Fuel	119.99
2035	Annual	Kern (SJV)	MH	Fuel	2.17
2035	Annual	Kern (SJV)	MCY	Fuel	5.17
2035	Annual	Kern (SJV)	LHDT1	Fuel	22.42
2035	Annual	Kern (SJV)	LHDT2	Fuel	9.51
2035	Annual	Kern (SJV)	MHDT	Fuel	70.72
2035	Annual	Kern (SJV)	HHDT	Fuel	738.17
2035	Annual	Kern (SJV)	SBUS	Fuel	3.03
2035	Annual	Kern (SJV)	UBUS	Fuel	8.67
2035	Annual	Kern (SJV)	OBUS	Fuel	7.05
2017	Annual	Kings (SJV)	LDA	Fuel	77.14
2017	Annual	Kings (SJV)	LDT1	Fuel	6.50
2017	Annual	Kings (SJV)	LDT2	Fuel	32.99
2017	Annual	Kings (SJV)	MDV	Fuel	45.98
2017	Annual	Kings (SJV)	MH	Fuel	0.64
2017	Annual	Kings (SJV)	MCY	Fuel	0.77
2017	Annual	Kings (SJV)	LHDT1	Fuel	10.10
2017	Annual	Kings (SJV)	LHDT2	Fuel	2.07
2017	Annual	Kings (SJV)	MHDT	Fuel	7.21
2017	Annual	Kings (SJV)	HHDT	Fuel	119.20
2017	Annual	Kings (SJV)	SBUS	Fuel	0.62
2017	Annual	Kings (SJV)	UBUS	Fuel	2.19
2017	Annual	Kings (SJV)	OBUS	Fuel	1.29
2035	Annual	Kings (SJV)	LDA	Fuel	66.79
2035	Annual	Kings (SJV)	LDT1	Fuel	4.31
2035	Annual	Kings (SJV)	LDT2	Fuel	25.70
2035	Annual	Kings (SJV)	MDV	Fuel	17.66
2035	Annual	Kings (SJV)	MH	Fuel	0.36
2035	Annual	Kings (SJV)	MCY	Fuel	0.79
2035	Annual	Kings (SJV)	LHDT1	Fuel	3.82
2035	Annual	Kings (SJV)	LHDT2	Fuel	1.50
2035	Annual	Kings (SJV)	MHDT	Fuel	7.65
2035	Annual	Kings (SJV)	HHDT	Fuel	151.91
2035	Annual	Kings (SJV)	SBUS	Fuel	0.56
2035	Annual	Kings (SJV)	UBUS	Fuel	1.45
2035	Annual	Kings (SJV)	OBUS	Fuel	1.39
2017	Annual	Madera (SJV)	LDA	Fuel	97.79
2017	Annual	Madera (SJV)	LDT1	Fuel	9.27
2017	Annual	Madera (SJV)	LDT2	Fuel	46.94
2017	Annual	Madera (SJV)	MDV	Fuel	56.76
2017	Annual	Madera (SJV)	MH	Fuel	1.08

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Madera (SJV)	MCY	Fuel	1.18
2017	Annual	Madera (SJV)	LHDT1	Fuel	13.25
2017	Annual	Madera (SJV)	LHDT2	Fuel	3.19
2017	Annual	Madera (SJV)	MHDT	Fuel	9.62
2017	Annual	Madera (SJV)	HHDT	Fuel	85.86
2017	Annual	Madera (SJV)	SBUS	Fuel	0.94
2017	Annual	Madera (SJV)	UBUS	Fuel	2.22
2017	Annual	Madera (SJV)	OBUS	Fuel	2.34
2035	Annual	Madera (SJV)	LDA	Fuel	98.13
2035	Annual	Madera (SJV)	LDT1	Fuel	6.19
2035	Annual	Madera (SJV)	LDT2	Fuel	36.10
2035	Annual	Madera (SJV)	MDV	Fuel	24.19
2035	Annual	Madera (SJV)	MH	Fuel	0.48
2035	Annual	Madera (SJV)	MCY	Fuel	1.26
2035	Annual	Madera (SJV)	LHDT1	Fuel	4.85
2035	Annual	Madera (SJV)	LHDT2	Fuel	1.92
2035	Annual	Madera (SJV)	MHDT	Fuel	11.60
2035	Annual	Madera (SJV)	HHDT	Fuel	109.69
2035	Annual	Madera (SJV)	SBUS	Fuel	0.92
2035	Annual	Madera (SJV)	UBUS	Fuel	2.04
2035	Annual	Madera (SJV)	OBUS	Fuel	2.61
2017	Annual	Merced (SJV)	LDA	Fuel	151.65
2017	Annual	Merced (SJV)	LDT1	Fuel	14.17
2017	Annual	Merced (SJV)	LDT2	Fuel	69.98
2017	Annual	Merced (SJV)	MDV	Fuel	85.28
2017	Annual	Merced (SJV)	MH	Fuel	1.09
2017	Annual	Merced (SJV)	MCY	Fuel	1.60
2017	Annual	Merced (SJV)	LHDT1	Fuel	18.40
2017	Annual	Merced (SJV)	LHDT2	Fuel	4.25
2017	Annual	Merced (SJV)	MHDT	Fuel	17.16
2017	Annual	Merced (SJV)	HHDT	Fuel	216.74
2017	Annual	Merced (SJV)	SBUS	Fuel	1.89
2017	Annual	Merced (SJV)	UBUS	Fuel	5.08
2017	Annual	Merced (SJV)	OBUS	Fuel	3.05
2035	Annual	Merced (SJV)	LDA	Fuel	141.76
2035	Annual	Merced (SJV)	LDT1	Fuel	8.98
2035	Annual	Merced (SJV)	LDT2	Fuel	52.97
2035	Annual	Merced (SJV)	MDV	Fuel	34.88
2035	Annual	Merced (SJV)	MH	Fuel	0.64
2035	Annual	Merced (SJV)	MCY	Fuel	1.74
2035	Annual	Merced (SJV)	LHDT1	Fuel	6.90
2035	Annual	Merced (SJV)	LHDT2	Fuel	2.70
2035	Annual	Merced (SJV)	MHDT	Fuel	20.54
2035	Annual	Merced (SJV)	HHDT	Fuel	275.75
2035	Annual	Merced (SJV)	SBUS	Fuel	1.75

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Merced (SJV)	UBUS	Fuel	3.30
2035	Annual	Merced (SJV)	OBUS	Fuel	3.90
2017	Annual	San Joaquin (SJV)	LDA	Fuel	426.51
2017	Annual	San Joaquin (SJV)	LDT1	Fuel	39.70
2017	Annual	San Joaquin (SJV)	LDT2	Fuel	196.02
2017	Annual	San Joaquin (SJV)	MDV	Fuel	215.85
2017	Annual	San Joaquin (SJV)	MH	Fuel	3.57
2017	Annual	San Joaquin (SJV)	MCY	Fuel	3.23
2017	Annual	San Joaquin (SJV)	LHDT1	Fuel	45.04
2017	Annual	San Joaquin (SJV)	LHDT2	Fuel	9.97
2017	Annual	San Joaquin (SJV)	MHDT	Fuel	42.20
2017	Annual	San Joaquin (SJV)	HHDT	Fuel	193.72
2017	Annual	San Joaquin (SJV)	SBUS	Fuel	1.74
2017	Annual	San Joaquin (SJV)	UBUS	Fuel	8.39
2017	Annual	San Joaquin (SJV)	OBUS	Fuel	3.90
2035	Annual	San Joaquin (SJV)	LDA	Fuel	353.47
2035	Annual	San Joaquin (SJV)	LDT1	Fuel	24.90
2035	Annual	San Joaquin (SJV)	LDT2	Fuel	147.52
2035	Annual	San Joaquin (SJV)	MDV	Fuel	94.15
2035	Annual	San Joaquin (SJV)	MH	Fuel	1.93
2035	Annual	San Joaquin (SJV)	MCY	Fuel	3.54
2035	Annual	San Joaquin (SJV)	LHDT1	Fuel	19.23
2035	Annual	San Joaquin (SJV)	LHDT2	Fuel	7.85
2035	Annual	San Joaquin (SJV)	MHDT	Fuel	52.80
2035	Annual	San Joaquin (SJV)	HHDT	Fuel	247.27
2035	Annual	San Joaquin (SJV)	SBUS	Fuel	1.86
2035	Annual	San Joaquin (SJV)	UBUS	Fuel	6.33
2035	Annual	San Joaquin (SJV)	OBUS	Fuel	4.85
2017	Annual	Stanislaus (SJV)	LDA	Fuel	189.77
2017	Annual	Stanislaus (SJV)	LDT1	Fuel	19.19
2017	Annual	Stanislaus (SJV)	LDT2	Fuel	92.99
2017	Annual	Stanislaus (SJV)	MDV	Fuel	116.60
2017	Annual	Stanislaus (SJV)	MH	Fuel	2.04
2017	Annual	Stanislaus (SJV)	MCY	Fuel	1.53
2017	Annual	Stanislaus (SJV)	LHDT1	Fuel	28.25
2017	Annual	Stanislaus (SJV)	LHDT2	Fuel	6.13
2017	Annual	Stanislaus (SJV)	MHDT	Fuel	34.37
2017	Annual	Stanislaus (SJV)	HHDT	Fuel	143.34
2017	Annual	Stanislaus (SJV)	SBUS	Fuel	1.12
2017	Annual	Stanislaus (SJV)	UBUS	Fuel	3.08
2017	Annual	Stanislaus (SJV)	OBUS	Fuel	2.83
2035	Annual	Stanislaus (SJV)	LDA	Fuel	164.39
2035	Annual	Stanislaus (SJV)	LDT1	Fuel	11.07
2035	Annual	Stanislaus (SJV)	LDT2	Fuel	67.73
2035	Annual	Stanislaus (SJV)	MDV	Fuel	43.41

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Stanislaus (SJV)	MH	Fuel	0.84
2035	Annual	Stanislaus (SJV)	MCY	Fuel	1.46
2035	Annual	Stanislaus (SJV)	LHDT1	Fuel	9.18
2035	Annual	Stanislaus (SJV)	LHDT2	Fuel	3.33
2035	Annual	Stanislaus (SJV)	MHDT	Fuel	41.92
2035	Annual	Stanislaus (SJV)	HHDT	Fuel	193.52
2035	Annual	Stanislaus (SJV)	SBUS	Fuel	1.04
2035	Annual	Stanislaus (SJV)	UBUS	Fuel	2.28
2035	Annual	Stanislaus (SJV)	OBUS	Fuel	3.43
2017	Annual	Tulare (SJV)	LDA	Fuel	161.69
2017	Annual	Tulare (SJV)	LDT1	Fuel	16.27
2017	Annual	Tulare (SJV)	LDT2	Fuel	78.73
2017	Annual	Tulare (SJV)	MDV	Fuel	112.21
2017	Annual	Tulare (SJV)	MH	Fuel	1.37
2017	Annual	Tulare (SJV)	MCY	Fuel	1.16
2017	Annual	Tulare (SJV)	LHDT1	Fuel	23.13
2017	Annual	Tulare (SJV)	LHDT2	Fuel	5.41
2017	Annual	Tulare (SJV)	MHDT	Fuel	24.92
2017	Annual	Tulare (SJV)	HHDT	Fuel	122.40
2017	Annual	Tulare (SJV)	SBUS	Fuel	1.53
2017	Annual	Tulare (SJV)	UBUS	Fuel	3.03
2017	Annual	Tulare (SJV)	OBUS	Fuel	2.58
2035	Annual	Tulare (SJV)	LDA	Fuel	151.73
2035	Annual	Tulare (SJV)	LDT1	Fuel	9.88
2035	Annual	Tulare (SJV)	LDT2	Fuel	60.91
2035	Annual	Tulare (SJV)	MDV	Fuel	41.17
2035	Annual	Tulare (SJV)	MH	Fuel	0.73
2035	Annual	Tulare (SJV)	MCY	Fuel	1.28
2035	Annual	Tulare (SJV)	LHDT1	Fuel	8.12
2035	Annual	Tulare (SJV)	LHDT2	Fuel	3.07
2035	Annual	Tulare (SJV)	MHDT	Fuel	28.81
2035	Annual	Tulare (SJV)	HHDT	Fuel	151.97
2035	Annual	Tulare (SJV)	SBUS	Fuel	1.44
2035	Annual	Tulare (SJV)	UBUS	Fuel	2.31
2035	Annual	Tulare (SJV)	OBUS	Fuel	3.18
2017	Annual	San Luis Obispo (SCC)	LDA	Fuel	157.88
2017	Annual	San Luis Obispo (SCC)	LDT1	Fuel	13.84
2017	Annual	San Luis Obispo (SCC)	LDT2	Fuel	83.55
2017	Annual	San Luis Obispo (SCC)	MDV	Fuel	77.66
2017	Annual	San Luis Obispo (SCC)	MH	Fuel	2.69
2017	Annual	San Luis Obispo (SCC)	MCY	Fuel	1.41
2017	Annual	San Luis Obispo (SCC)	LHDT1	Fuel	26.22
2017	Annual	San Luis Obispo (SCC)	LHDT2	Fuel	6.01
2017	Annual	San Luis Obispo (SCC)	MHDT	Fuel	14.50
2017	Annual	San Luis Obispo (SCC)	HHDT	Fuel	29.19

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	San Luis Obispo (SCC)	SBUS	Fuel	0.89
2017	Annual	San Luis Obispo (SCC)	UBUS	Fuel	2.67
2017	Annual	San Luis Obispo (SCC)	OBUS	Fuel	3.10
2035	Annual	San Luis Obispo (SCC)	LDA	Fuel	118.30
2035	Annual	San Luis Obispo (SCC)	LDT1	Fuel	5.89
2035	Annual	San Luis Obispo (SCC)	LDT2	Fuel	51.48
2035	Annual	San Luis Obispo (SCC)	MDV	Fuel	32.89
2035	Annual	San Luis Obispo (SCC)	MH	Fuel	0.78
2035	Annual	San Luis Obispo (SCC)	MCY	Fuel	1.07
2035	Annual	San Luis Obispo (SCC)	LHDT1	Fuel	8.03
2035	Annual	San Luis Obispo (SCC)	LHDT2	Fuel	2.82
2035	Annual	San Luis Obispo (SCC)	MHDT	Fuel	14.69
2035	Annual	San Luis Obispo (SCC)	HHDT	Fuel	31.66
2035	Annual	San Luis Obispo (SCC)	SBUS	Fuel	0.79
2035	Annual	San Luis Obispo (SCC)	UBUS	Fuel	2.02
2035	Annual	San Luis Obispo (SCC)	OBUS	Fuel	2.98
2017	Annual	Santa Barbara (SCC)	LDA	Fuel	198.52
2017	Annual	Santa Barbara (SCC)	LDT1	Fuel	15.76
2017	Annual	Santa Barbara (SCC)	LDT2	Fuel	104.92
2017	Annual	Santa Barbara (SCC)	MDV	Fuel	96.31
2017	Annual	Santa Barbara (SCC)	MH	Fuel	2.30
2017	Annual	Santa Barbara (SCC)	MCY	Fuel	2.20
2017	Annual	Santa Barbara (SCC)	LHDT1	Fuel	26.91
2017	Annual	Santa Barbara (SCC)	LHDT2	Fuel	6.57
2017	Annual	Santa Barbara (SCC)	MHDT	Fuel	23.69
2017	Annual	Santa Barbara (SCC)	HHDT	Fuel	35.60
2017	Annual	Santa Barbara (SCC)	SBUS	Fuel	3.39
2017	Annual	Santa Barbara (SCC)	UBUS	Fuel	7.03
2017	Annual	Santa Barbara (SCC)	OBUS	Fuel	4.37
2035	Annual	Santa Barbara (SCC)	LDA	Fuel	135.57
2035	Annual	Santa Barbara (SCC)	LDT1	Fuel	6.90
2035	Annual	Santa Barbara (SCC)	LDT2	Fuel	64.60
2035	Annual	Santa Barbara (SCC)	MDV	Fuel	40.95
2035	Annual	Santa Barbara (SCC)	MH	Fuel	0.90
2035	Annual	Santa Barbara (SCC)	MCY	Fuel	1.74
2035	Annual	Santa Barbara (SCC)	LHDT1	Fuel	9.71
2035	Annual	Santa Barbara (SCC)	LHDT2	Fuel	3.58
2035	Annual	Santa Barbara (SCC)	MHDT	Fuel	26.37
2035	Annual	Santa Barbara (SCC)	HHDT	Fuel	43.90
2035	Annual	Santa Barbara (SCC)	SBUS	Fuel	2.57
2035	Annual	Santa Barbara (SCC)	UBUS	Fuel	3.73
2035	Annual	Santa Barbara (SCC)	OBUS	Fuel	4.61
2017	Annual	Ventura (SCC)	LDA	Fuel	384.84
2017	Annual	Ventura (SCC)	LDT1	Fuel	38.40
2017	Annual	Ventura (SCC)	LDT2	Fuel	183.14

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Ventura (SCC)	MDV	Fuel	165.89
2017	Annual	Ventura (SCC)	MH	Fuel	5.16
2017	Annual	Ventura (SCC)	MCY	Fuel	2.26
2017	Annual	Ventura (SCC)	LHDT1	Fuel	35.80
2017	Annual	Ventura (SCC)	LHDT2	Fuel	10.00
2017	Annual	Ventura (SCC)	MHDT	Fuel	40.14
2017	Annual	Ventura (SCC)	HHDT	Fuel	56.05
2017	Annual	Ventura (SCC)	SBUS	Fuel	0.87
2017	Annual	Ventura (SCC)	UBUS	Fuel	3.49
2017	Annual	Ventura (SCC)	OBUS	Fuel	2.77
2035	Annual	Ventura (SCC)	LDA	Fuel	285.81
2035	Annual	Ventura (SCC)	LDT1	Fuel	22.99
2035	Annual	Ventura (SCC)	LDT2	Fuel	106.72
2035	Annual	Ventura (SCC)	MDV	Fuel	68.07
2035	Annual	Ventura (SCC)	MH	Fuel	2.06
2035	Annual	Ventura (SCC)	MCY	Fuel	2.29
2035	Annual	Ventura (SCC)	LHDT1	Fuel	15.76
2035	Annual	Ventura (SCC)	LHDT2	Fuel	7.43
2035	Annual	Ventura (SCC)	MHDT	Fuel	51.72
2035	Annual	Ventura (SCC)	HHDT	Fuel	65.17
2035	Annual	Ventura (SCC)	SBUS	Fuel	1.06
2035	Annual	Ventura (SCC)	UBUS	Fuel	4.59
2035	Annual	Ventura (SCC)	OBUS	Fuel	3.49
2017	Annual	Los Angeles (SC)	LDA	Fuel	5,028.80
2017	Annual	Los Angeles (SC)	LDT1	Fuel	510.45
2017	Annual	Los Angeles (SC)	LDT2	Fuel	2,475.97
2017	Annual	Los Angeles (SC)	MDV	Fuel	2,076.37
2017	Annual	Los Angeles (SC)	MH	Fuel	29.17
2017	Annual	Los Angeles (SC)	MCY	Fuel	30.48
2017	Annual	Los Angeles (SC)	LHDT1	Fuel	316.88
2017	Annual	Los Angeles (SC)	LHDT2	Fuel	100.49
2017	Annual	Los Angeles (SC)	MHDT	Fuel	502.62
2017	Annual	Los Angeles (SC)	HHDT	Fuel	1,116.44
2017	Annual	Los Angeles (SC)	SBUS	Fuel	18.21
2017	Annual	Los Angeles (SC)	UBUS	Fuel	136.88
2017	Annual	Los Angeles (SC)	OBUS	Fuel	75.50
2035	Annual	Los Angeles (SC)	LDA	Fuel	3,178.10
2035	Annual	Los Angeles (SC)	LDT1	Fuel	342.39
2035	Annual	Los Angeles (SC)	LDT2	Fuel	1,570.12
2035	Annual	Los Angeles (SC)	MDV	Fuel	1,080.18
2035	Annual	Los Angeles (SC)	MH	Fuel	26.06
2035	Annual	Los Angeles (SC)	MCY	Fuel	40.42
2035	Annual	Los Angeles (SC)	LHDT1	Fuel	204.34
2035	Annual	Los Angeles (SC)	LHDT2	Fuel	104.29
2035	Annual	Los Angeles (SC)	MHDT	Fuel	649.76

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Los Angeles (SC)	HHDT	Fuel	1,470.22
2035	Annual	Los Angeles (SC)	SBUS	Fuel	20.67
2035	Annual	Los Angeles (SC)	UBUS	Fuel	77.82
2035	Annual	Los Angeles (SC)	OBUS	Fuel	92.76
2017	Annual	Orange (SC)	LDA	Fuel	1,603.75
2017	Annual	Orange (SC)	LDT1	Fuel	157.70
2017	Annual	Orange (SC)	LDT2	Fuel	851.36
2017	Annual	Orange (SC)	MDV	Fuel	669.37
2017	Annual	Orange (SC)	MH	Fuel	11.42
2017	Annual	Orange (SC)	MCY	Fuel	10.28
2017	Annual	Orange (SC)	LHDT1	Fuel	111.96
2017	Annual	Orange (SC)	LHDT2	Fuel	33.58
2017	Annual	Orange (SC)	MHDT	Fuel	218.65
2017	Annual	Orange (SC)	HHDT	Fuel	214.74
2017	Annual	Orange (SC)	SBUS	Fuel	5.71
2017	Annual	Orange (SC)	UBUS	Fuel	27.74
2017	Annual	Orange (SC)	OBUS	Fuel	17.09
2035	Annual	Orange (SC)	LDA	Fuel	1,066.50
2035	Annual	Orange (SC)	LDT1	Fuel	102.55
2035	Annual	Orange (SC)	LDT2	Fuel	482.26
2035	Annual	Orange (SC)	MDV	Fuel	299.70
2035	Annual	Orange (SC)	MH	Fuel	7.96
2035	Annual	Orange (SC)	MCY	Fuel	12.29
2035	Annual	Orange (SC)	LHDT1	Fuel	63.09
2035	Annual	Orange (SC)	LHDT2	Fuel	31.49
2035	Annual	Orange (SC)	MHDT	Fuel	270.94
2035	Annual	Orange (SC)	HHDT	Fuel	286.74
2035	Annual	Orange (SC)	SBUS	Fuel	6.38
2035	Annual	Orange (SC)	UBUS	Fuel	23.09
2035	Annual	Orange (SC)	OBUS	Fuel	22.16
2017	Annual	Riverside (SC)	LDA	Fuel	770.47
2017	Annual	Riverside (SC)	LDT1	Fuel	72.01
2017	Annual	Riverside (SC)	LDT2	Fuel	348.94
2017	Annual	Riverside (SC)	MDV	Fuel	352.95
2017	Annual	Riverside (SC)	MH	Fuel	6.92
2017	Annual	Riverside (SC)	MCY	Fuel	4.57
2017	Annual	Riverside (SC)	LHDT1	Fuel	63.22
2017	Annual	Riverside (SC)	LHDT2	Fuel	16.37
2017	Annual	Riverside (SC)	MHDT	Fuel	71.57
2017	Annual	Riverside (SC)	HHDT	Fuel	280.69
2017	Annual	Riverside (SC)	SBUS	Fuel	5.53
2017	Annual	Riverside (SC)	UBUS	Fuel	7.00
2017	Annual	Riverside (SC)	OBUS	Fuel	5.31
2035	Annual	Riverside (SC)	LDA	Fuel	669.78
2035	Annual	Riverside (SC)	LDT1	Fuel	48.49

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Riverside (SC)	LDT2	Fuel	264.88
2035	Annual	Riverside (SC)	MDV	Fuel	176.88
2035	Annual	Riverside (SC)	MH	Fuel	3.16
2035	Annual	Riverside (SC)	MCY	Fuel	5.30
2035	Annual	Riverside (SC)	LHDT1	Fuel	29.32
2035	Annual	Riverside (SC)	LHDT2	Fuel	12.85
2035	Annual	Riverside (SC)	MHDT	Fuel	89.94
2035	Annual	Riverside (SC)	HHDT	Fuel	394.32
2035	Annual	Riverside (SC)	SBUS	Fuel	5.28
2035	Annual	Riverside (SC)	UBUS	Fuel	8.01
2035	Annual	Riverside (SC)	OBUS	Fuel	7.02
2017	Annual	San Bernardino (SC)	LDA	Fuel	748.77
2017	Annual	San Bernardino (SC)	LDT1	Fuel	70.13
2017	Annual	San Bernardino (SC)	LDT2	Fuel	336.89
2017	Annual	San Bernardino (SC)	MDV	Fuel	358.16
2017	Annual	San Bernardino (SC)	MH	Fuel	5.90
2017	Annual	San Bernardino (SC)	MCY	Fuel	4.02
2017	Annual	San Bernardino (SC)	LHDT1	Fuel	57.40
2017	Annual	San Bernardino (SC)	LHDT2	Fuel	15.88
2017	Annual	San Bernardino (SC)	MHDT	Fuel	93.66
2017	Annual	San Bernardino (SC)	HHDT	Fuel	280.58
2017	Annual	San Bernardino (SC)	SBUS	Fuel	4.37
2017	Annual	San Bernardino (SC)	UBUS	Fuel	10.15
2017	Annual	San Bernardino (SC)	OBUS	Fuel	6.37
2035	Annual	San Bernardino (SC)	LDA	Fuel	580.95
2035	Annual	San Bernardino (SC)	LDT1	Fuel	44.76
2035	Annual	San Bernardino (SC)	LDT2	Fuel	242.33
2035	Annual	San Bernardino (SC)	MDV	Fuel	173.79
2035	Annual	San Bernardino (SC)	MH	Fuel	3.18
2035	Annual	San Bernardino (SC)	MCY	Fuel	4.79
2035	Annual	San Bernardino (SC)	LHDT1	Fuel	27.11
2035	Annual	San Bernardino (SC)	LHDT2	Fuel	12.04
2035	Annual	San Bernardino (SC)	MHDT	Fuel	136.53
2035	Annual	San Bernardino (SC)	HHDT	Fuel	386.61
2035	Annual	San Bernardino (SC)	SBUS	Fuel	4.50
2035	Annual	San Bernardino (SC)	UBUS	Fuel	9.07
2035	Annual	San Bernardino (SC)	OBUS	Fuel	8.55
2017	Annual	Imperial (SS)	LDA	Fuel	105.50
2017	Annual	Imperial (SS)	LDT1	Fuel	9.81
2017	Annual	Imperial (SS)	LDT2	Fuel	48.60
2017	Annual	Imperial (SS)	MDV	Fuel	59.62
2017	Annual	Imperial (SS)	MH	Fuel	0.63
2017	Annual	Imperial (SS)	MCY	Fuel	0.77
2017	Annual	Imperial (SS)	LHDT1	Fuel	9.92
2017	Annual	Imperial (SS)	LHDT2	Fuel	2.54

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Imperial (SS)	MHDT	Fuel	12.17
2017	Annual	Imperial (SS)	HHDT	Fuel	107.64
2017	Annual	Imperial (SS)	SBUS	Fuel	0.58
2017	Annual	Imperial (SS)	UBUS	Fuel	1.42
2017	Annual	Imperial (SS)	OBUS	Fuel	2.09
2035	Annual	Imperial (SS)	LDA	Fuel	88.37
2035	Annual	Imperial (SS)	LDT1	Fuel	5.99
2035	Annual	Imperial (SS)	LDT2	Fuel	32.51
2035	Annual	Imperial (SS)	MDV	Fuel	25.50
2035	Annual	Imperial (SS)	MH	Fuel	0.41
2035	Annual	Imperial (SS)	MCY	Fuel	1.02
2035	Annual	Imperial (SS)	LHDT1	Fuel	4.44
2035	Annual	Imperial (SS)	LHDT2	Fuel	1.91
2035	Annual	Imperial (SS)	MHDT	Fuel	14.44
2035	Annual	Imperial (SS)	HHDT	Fuel	131.36
2035	Annual	Imperial (SS)	SBUS	Fuel	0.59
2035	Annual	Imperial (SS)	UBUS	Fuel	2.10
2035	Annual	Imperial (SS)	OBUS	Fuel	3.44
2017	Annual	Riverside (SS)	LDA	Fuel	187.20
2017	Annual	Riverside (SS)	LDT1	Fuel	20.25
2017	Annual	Riverside (SS)	LDT2	Fuel	101.07
2017	Annual	Riverside (SS)	MDV	Fuel	98.96
2017	Annual	Riverside (SS)	MH	Fuel	1.48
2017	Annual	Riverside (SS)	MCY	Fuel	1.73
2017	Annual	Riverside (SS)	LHDT1	Fuel	14.83
2017	Annual	Riverside (SS)	LHDT2	Fuel	4.86
2017	Annual	Riverside (SS)	MHDT	Fuel	24.76
2017	Annual	Riverside (SS)	HHDT	Fuel	171.34
2017	Annual	Riverside (SS)	SBUS	Fuel	1.06
2017	Annual	Riverside (SS)	UBUS	Fuel	5.97
2017	Annual	Riverside (SS)	OBUS	Fuel	2.94
2035	Annual	Riverside (SS)	LDA	Fuel	158.05
2035	Annual	Riverside (SS)	LDT1	Fuel	15.62
2035	Annual	Riverside (SS)	LDT2	Fuel	85.28
2035	Annual	Riverside (SS)	MDV	Fuel	59.03
2035	Annual	Riverside (SS)	MH	Fuel	1.03
2035	Annual	Riverside (SS)	MCY	Fuel	2.75
2035	Annual	Riverside (SS)	LHDT1	Fuel	9.37
2035	Annual	Riverside (SS)	LHDT2	Fuel	4.35
2035	Annual	Riverside (SS)	MHDT	Fuel	41.20
2035	Annual	Riverside (SS)	HHDT	Fuel	220.84
2035	Annual	Riverside (SS)	SBUS	Fuel	1.21
2035	Annual	Riverside (SS)	UBUS	Fuel	5.45
2035	Annual	Riverside (SS)	OBUS	Fuel	5.15
2017	Annual	Kern (MD)	LDA	Fuel	83.98

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2017	Annual	Kern (MD)	LDT1	Fuel	7.73
2017	Annual	Kern (MD)	LDT2	Fuel	46.18
2017	Annual	Kern (MD)	MDV	Fuel	42.43
2017	Annual	Kern (MD)	MH	Fuel	1.58
2017	Annual	Kern (MD)	MCY	Fuel	1.44
2017	Annual	Kern (MD)	LHDT1	Fuel	12.90
2017	Annual	Kern (MD)	LHDT2	Fuel	3.27
2017	Annual	Kern (MD)	MHDT	Fuel	7.25
2017	Annual	Kern (MD)	HHDT	Fuel	118.13
2017	Annual	Kern (MD)	SBUS	Fuel	0.84
2017	Annual	Kern (MD)	UBUS	Fuel	1.52
2017	Annual	Kern (MD)	OBUS	Fuel	1.75
2035	Annual	Kern (MD)	LDA	Fuel	77.76
2035	Annual	Kern (MD)	LDT1	Fuel	5.87
2035	Annual	Kern (MD)	LDT2	Fuel	35.62
2035	Annual	Kern (MD)	MDV	Fuel	22.12
2035	Annual	Kern (MD)	MH	Fuel	0.52
2035	Annual	Kern (MD)	MCY	Fuel	1.31
2035	Annual	Kern (MD)	LHDT1	Fuel	4.75
2035	Annual	Kern (MD)	LHDT2	Fuel	1.92
2035	Annual	Kern (MD)	MHDT	Fuel	9.50
2035	Annual	Kern (MD)	HHDT	Fuel	149.44
2035	Annual	Kern (MD)	SBUS	Fuel	0.79
2035	Annual	Kern (MD)	UBUS	Fuel	2.16
2035	Annual	Kern (MD)	OBUS	Fuel	2.24
2017	Annual	Riverside (MD/MDAQMD)	LDA	Fuel	26.42
2017	Annual	Riverside (MD/MDAQMD)	LDT1	Fuel	2.76
2017	Annual	Riverside (MD/MDAQMD)	LDT2	Fuel	12.74
2017	Annual	Riverside (MD/MDAQMD)	MDV	Fuel	13.69
2017	Annual	Riverside (MD/MDAQMD)	MH	Fuel	0.23
2017	Annual	Riverside (MD/MDAQMD)	MCY	Fuel	0.22
2017	Annual	Riverside (MD/MDAQMD)	LHDT1	Fuel	3.03
2017	Annual	Riverside (MD/MDAQMD)	LHDT2	Fuel	0.66
2017	Annual	Riverside (MD/MDAQMD)	MHDT	Fuel	1.19
2017	Annual	Riverside (MD/MDAQMD)	HHDT	Fuel	50.63
2017	Annual	Riverside (MD/MDAQMD)	SBUS	Fuel	0.10
2017	Annual	Riverside (MD/MDAQMD)	UBUS	Fuel	0.94
2017	Annual	Riverside (MD/MDAQMD)	OBUS	Fuel	0.39
2035	Annual	Riverside (MD/MDAQMD)	LDA	Fuel	22.91
2035	Annual	Riverside (MD/MDAQMD)	LDT1	Fuel	1.84
2035	Annual	Riverside (MD/MDAQMD)	LDT2	Fuel	9.78
2035	Annual	Riverside (MD/MDAQMD)	MDV	Fuel	6.72
2035	Annual	Riverside (MD/MDAQMD)	MH	Fuel	0.13
2035	Annual	Riverside (MD/MDAQMD)	MCY	Fuel	0.29
2035	Annual	Riverside (MD/MDAQMD)	LHDT1	Fuel	1.33

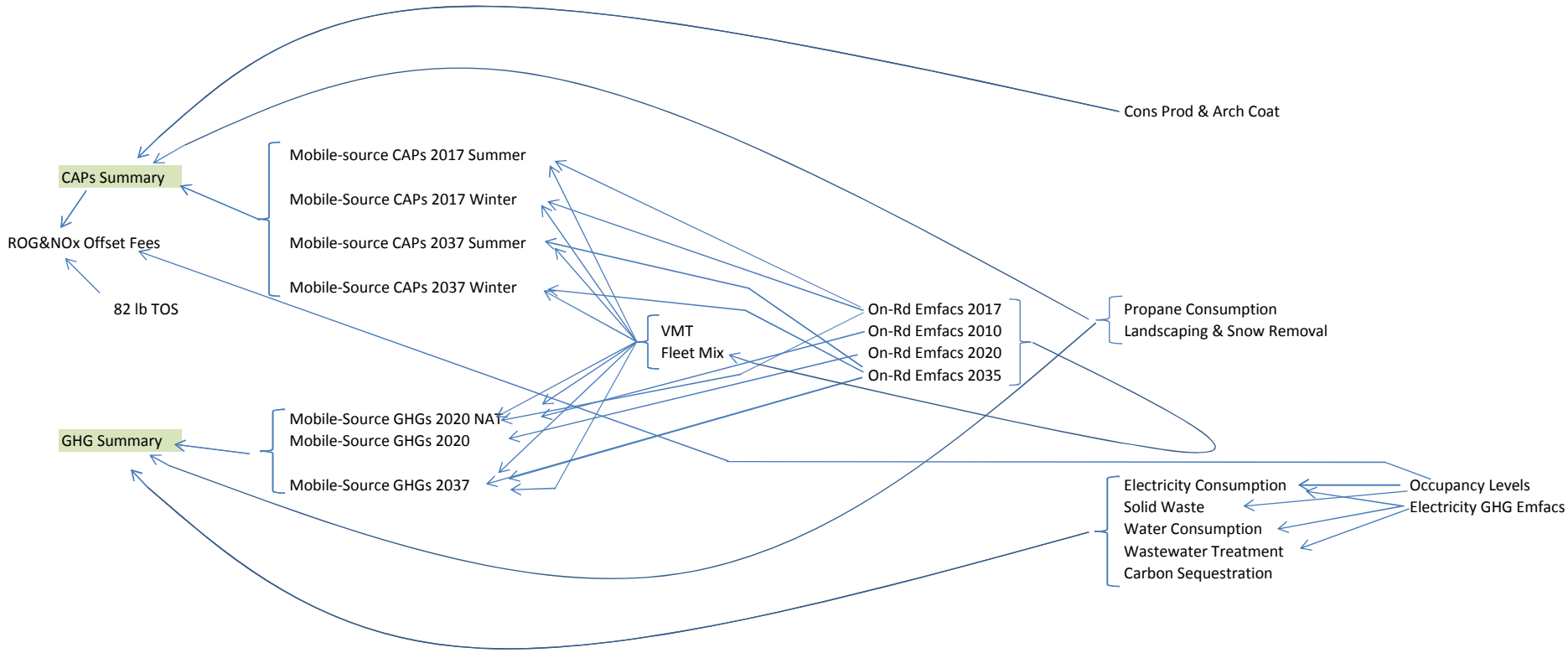
Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Riverside (MD/MDAQMD)	LHDT2	Fuel	0.54
2035	Annual	Riverside (MD/MDAQMD)	MHDT	Fuel	1.39
2035	Annual	Riverside (MD/MDAQMD)	HHDT	Fuel	65.02
2035	Annual	Riverside (MD/MDAQMD)	SBUS	Fuel	0.11
2035	Annual	Riverside (MD/MDAQMD)	UBUS	Fuel	0.61
2035	Annual	Riverside (MD/MDAQMD)	OBUS	Fuel	0.35
2017	Annual	Riverside (MD/SCAQMD)	LDA	Fuel	26.46
2017	Annual	Riverside (MD/SCAQMD)	LDT1	Fuel	2.64
2017	Annual	Riverside (MD/SCAQMD)	LDT2	Fuel	13.02
2017	Annual	Riverside (MD/SCAQMD)	MDV	Fuel	11.79
2017	Annual	Riverside (MD/SCAQMD)	MH	Fuel	0.18
2017	Annual	Riverside (MD/SCAQMD)	MCY	Fuel	0.20
2017	Annual	Riverside (MD/SCAQMD)	LHDT1	Fuel	2.23
2017	Annual	Riverside (MD/SCAQMD)	LHDT2	Fuel	0.57
2017	Annual	Riverside (MD/SCAQMD)	MHDT	Fuel	0.59
2017	Annual	Riverside (MD/SCAQMD)	HHDT	Fuel	53.00
2017	Annual	Riverside (MD/SCAQMD)	SBUS	Fuel	0.03
2017	Annual	Riverside (MD/SCAQMD)	UBUS	Fuel	0.58
2017	Annual	Riverside (MD/SCAQMD)	OBUS	Fuel	0.15
2035	Annual	Riverside (MD/SCAQMD)	LDA	Fuel	21.56
2035	Annual	Riverside (MD/SCAQMD)	LDT1	Fuel	1.79
2035	Annual	Riverside (MD/SCAQMD)	LDT2	Fuel	9.34
2035	Annual	Riverside (MD/SCAQMD)	MDV	Fuel	6.26
2035	Annual	Riverside (MD/SCAQMD)	MH	Fuel	0.12
2035	Annual	Riverside (MD/SCAQMD)	MCY	Fuel	0.24
2035	Annual	Riverside (MD/SCAQMD)	LHDT1	Fuel	1.22
2035	Annual	Riverside (MD/SCAQMD)	LHDT2	Fuel	0.53
2035	Annual	Riverside (MD/SCAQMD)	MHDT	Fuel	0.75
2035	Annual	Riverside (MD/SCAQMD)	HHDT	Fuel	68.21
2035	Annual	Riverside (MD/SCAQMD)	SBUS	Fuel	0.05
2035	Annual	Riverside (MD/SCAQMD)	UBUS	Fuel	0.46
2035	Annual	Riverside (MD/SCAQMD)	OBUS	Fuel	0.20
2017	Annual	Los Angeles (MD)	LDA	Fuel	135.87
2017	Annual	Los Angeles (MD)	LDT1	Fuel	12.04
2017	Annual	Los Angeles (MD)	LDT2	Fuel	49.84
2017	Annual	Los Angeles (MD)	MDV	Fuel	52.35
2017	Annual	Los Angeles (MD)	MH	Fuel	1.42
2017	Annual	Los Angeles (MD)	MCY	Fuel	1.35
2017	Annual	Los Angeles (MD)	LHDT1	Fuel	9.46
2017	Annual	Los Angeles (MD)	LHDT2	Fuel	2.35
2017	Annual	Los Angeles (MD)	MHDT	Fuel	11.89
2017	Annual	Los Angeles (MD)	HHDT	Fuel	34.64
2017	Annual	Los Angeles (MD)	SBUS	Fuel	1.22
2017	Annual	Los Angeles (MD)	UBUS	Fuel	2.45
2017	Annual	Los Angeles (MD)	OBUS	Fuel	1.69

Summary of EMFAC2014 Ouput
Source: EMFAC2014 runs "Default_Statewide_2017_2035_Annual_emission_20150224105510" and "Default_Statewide_2017_2035_Annual_vmt_20150224105510"

calendar_year	season_month	sub_area	vehicle_class	pollutant	fuel consumption (1,000 gal/day)
2035	Annual	Los Angeles (MD)	LDA	Fuel	99.40
2035	Annual	Los Angeles (MD)	LDT1	Fuel	6.31
2035	Annual	Los Angeles (MD)	LDT2	Fuel	27.67
2035	Annual	Los Angeles (MD)	MDV	Fuel	19.53
2035	Annual	Los Angeles (MD)	MH	Fuel	0.48
2035	Annual	Los Angeles (MD)	MCY	Fuel	1.15
2035	Annual	Los Angeles (MD)	LHDT1	Fuel	3.57
2035	Annual	Los Angeles (MD)	LHDT2	Fuel	1.61
2035	Annual	Los Angeles (MD)	MHDT	Fuel	15.74
2035	Annual	Los Angeles (MD)	HHDT	Fuel	43.32
2035	Annual	Los Angeles (MD)	SBUS	Fuel	1.14
2035	Annual	Los Angeles (MD)	UBUS	Fuel	2.33
2035	Annual	Los Angeles (MD)	OBUS	Fuel	2.21
2017	Annual	San Bernardino (MD)	LDA	Fuel	493.85
2017	Annual	San Bernardino (MD)	LDT1	Fuel	46.56
2017	Annual	San Bernardino (MD)	LDT2	Fuel	227.42
2017	Annual	San Bernardino (MD)	MDV	Fuel	217.56
2017	Annual	San Bernardino (MD)	MH	Fuel	4.55
2017	Annual	San Bernardino (MD)	MCY	Fuel	6.88
2017	Annual	San Bernardino (MD)	LHDT1	Fuel	47.31
2017	Annual	San Bernardino (MD)	LHDT2	Fuel	11.62
2017	Annual	San Bernardino (MD)	MHDT	Fuel	24.53
2017	Annual	San Bernardino (MD)	HHDT	Fuel	322.08
2017	Annual	San Bernardino (MD)	SBUS	Fuel	2.43
2017	Annual	San Bernardino (MD)	UBUS	Fuel	13.92
2017	Annual	San Bernardino (MD)	OBUS	Fuel	4.44
2035	Annual	San Bernardino (MD)	LDA	Fuel	384.60
2035	Annual	San Bernardino (MD)	LDT1	Fuel	28.14
2035	Annual	San Bernardino (MD)	LDT2	Fuel	150.23
2035	Annual	San Bernardino (MD)	MDV	Fuel	101.40
2035	Annual	San Bernardino (MD)	MH	Fuel	1.99
2035	Annual	San Bernardino (MD)	MCY	Fuel	6.46
2035	Annual	San Bernardino (MD)	LHDT1	Fuel	19.92
2035	Annual	San Bernardino (MD)	LHDT2	Fuel	8.43
2035	Annual	San Bernardino (MD)	MHDT	Fuel	31.75
2035	Annual	San Bernardino (MD)	HHDT	Fuel	416.50
2035	Annual	San Bernardino (MD)	SBUS	Fuel	2.61
2035	Annual	San Bernardino (MD)	UBUS	Fuel	10.29
2035	Annual	San Bernardino (MD)	OBUS	Fuel	5.33

Worksheet Map



Fee Calcluation for Offset of Operational ROG and NOx Emissions

Offset Fee for Reducing Ozone Precursor Emissions to Less than PCAPCD's Project-Level Threshold at Full Buildout in 2037

	ROG	NOx	PM10	units	source
Max. daily operational emissions on Peak Summer day in 2037					
Area Sources	61.3	20.1	2.1	lb/day	sum from wksht: CAPs Summary
Mobile Sources	118.9	62.6	22.7	lb/day	wksht: CAPs Summary
Total	180.2	82.7	24.7	lb/day	wksht: CAPs Summary
Avg. daily operational emissions during Ozone Season in 2037					
Area Sources	32.86	10.76	1.11	lb/day	proration using avg occupancy value
Mobile Sources	63.71	33.56	12.16	lb/day	proration using avg occupancy value
Total	96.57	44.32	13.26	lb/day	proration using avg occupancy value
Max. daily operational emissions on Peak Winter day 2037					
Area Sources	69.4	43.7	3.7	lb/day	sum from wksht: CAPs Summary
Mobile Sources	72.8	34.3	11.3	lb/day	wksht: CAPs Summary
Total	142.1	78.0	15.0	lb/day	wksht: CAPs Summary
Avg. daily operational emissions during Winter in 2037					
Area Sources	39.39	24.81	2.09	lb/day	proration using avg occupancy value
Mobile Sources	41.32	19.48	6.41	lb/day	proration using avg occupancy value
Total	80.71	44.28	8.50	lb/day	proration using avg occupancy value

	value	units	source
Avg. occupancy during Ozone Season (summer)	54%	%	wksht: Occupancy Levels
Avg. occupancy during winter	57%	%	wksht: Occupancy Levels

The values in orange shaded cells are then plugged into the Offsite Mitigtion Fee Calculation Sheet (PCAPCD 2014).

Estimated Fee	value	units	source
Fee rate for ROG and NOx	$17,080	$/ton	Source 1
Fee for reducing ROG and NOx to project-level threshold of 82 lb/day	$23,492	$/year	wksht: 82 lb TOS

Sources

1 Placer County Air Pollution Control District. 2014. *Offsite Mitigation Feel Calculation Sheet-Template* . E-mailed by Yu-Shuo Change of PCAPCD to Austin Kerr of Ascent Environmental on November 3, 2014.

Project Name:

Mitigation Fee Calculation

Emission Source	ROG (lbs/day)		NOx (lbs/day)		PM10 (lbs/day)	
	summer	winter	summer	winter	summer	winter
Area Resource	32.86	39.39	10.76	24.81	1.11	2.09
Vehicle Exhaust	63.71	41.32	33.56	19.48	12.16	6.41
Total	96.57	80.71	44.32	44.28	13.26	8.50

PCAPCD cumulative thresholds (lbs/day)	ROG (summer only)	NOx (summer only)	PM10 (winter only)
operational emissions	82	82	80

exceedence to the cumulative thresholds (lbs/day)	ROG	NOx	PM10
	15	0	n/a

# of days in summer (May-Oct)	182
# of days in winter (Nov-Apr)	183

	ROG	NOx	PM10
Required emission offset (tons) (exceed lbs/day x days in summer/winter ÷ 2000 lbs/ton)	1.33	0.00	n/a

Amount of required emission offset for ROG and NOx (tons)	**1.33**

current mitigation cost for ROG or NOx $/ton (per CARB Carol Moyer Guideline)	**$17,720**

current mitigation cost for PM $/ton (to be determined)	

Proposed APCD Offsite Mitigation Fee (ROG + NOx)	**$23,492**

Proposed APCD Offsite Mitigation Fee (PM only)	**$0**

Source: Placer County Air Pollution Control District. 2014. Offsite Mitigation Feel Calculation Sheet-Template. E-mailed by Yu-Shuo Change of PCAPCD to Austin Kerr of Ascent Environmental on November 3, 2014.

Maximum Daily Emissions of Criteria Air Pollutants and Precursors

20% Buildout as Early as of 2017

Peak Summer Day

Source	ROG	NOx	PM10	PM2.5	units	source
Vehicle Trips	45.6	30.4	4.7	2.1	lb/day	wksht: Mobile-Source CAPs 2017 Summer
Propane Consumption	1.7	3.9	0.3	0.3	lb/day	wksht: Propane Consumption
Consumer Products	7.4	0.0	0.0	0.0	lb/day	wksht: Con Prod & Arch Coat
Architectural Coatings	2.8	0.0	0.0	0.0	lb/day	wksht: Con Prod & Arch Coat
Landscaping Equipment	0.4	0.2	0.1	0.1	lb/day	wksht: Landscaping & Snow Removal
Snow Removal	NA	NA	NA	NA	lb/day	Snow removal does not occur in Summer.
Total	**57.8**	**34.5**	**5.1**	**2.5**	lb/day	summation

Peak Winter Day

Source	ROG	NOx	PM10	PM2.5	units	source
Vehicle Trips	27.7	16.9	2.3	1.1	lb/day	wksht: Mobile-Source CAPs 2017 Winter
Propane Consumption	3.6	8.2	0.7	0.7	lb/day	wksht: Propane Consumption
Consumer Products	7.4	0.0	0.0	0.7	lb/day	wksht: Con Prod & Arch Coat
Architectural Coatings	2.8	0.0	0.0	0.0	lb/day	wksht: Con Prod & Arch Coat
Landscaping Equipment	NA	NA	NA	NA	lb/day	wksht: Landscaping & Snow Removal
Snow Removal	0.1	1.1	0.1	0.1	lb/day	wksht: Landscaping & Snow Removal
Total	**41.7**	**26.2**	**3.1**	**2.6**	lb/day	summation

Full Buildout as Early as 2037

Peak Summer Day

Source	ROG	NOx	PM10	PM2.5	units	source
Vehicle Trips	118.9	62.6	22.7	10.0	lb/day	wksht: Mobile-Source CAPs 2037 Summer
Propane Consumption	8.5	19.3	1.7	1.7	lb/day	wksht: Propane Consumption
Consumer Products	37.0	0.0	0.0	0.0	lb/day	wksht: Con Prod & Arch Coat
Architectural Coatings	13.9	0.0	0.0	0.0	lb/day	wksht: Con Prod & Arch Coat
Landscaping Equipment	2.0	0.8	0.4	0.4	lb/day	wksht: Landscaping & Snow Removal
Snow Removal	NA	NA	NA	NA	lb/day	Snow removal does not occur in Summer.
Total	**180.2**	**82.7**	**24.7**	**12.1**	lb/day	summation

Peak Winter Day

Source	ROG	NOx	PM10	PM2.5	units	source
Vehicle Trips	72.8	34.3	11.3	5.0	lb/day	wksht: Mobile-Source CAPs 2037 Winter
Propane Consumption	18.1	41.2	3.6	3.6	lb/day	wksht: Propane Consumption
Consumer Products	37.0	0.0	0.0	0.0	lb/day	wksht: Con Prod & Arch Coat
Architectural Coatings	13.9	0.0	0.0	0.0	lb/day	wksht: Con Prod & Arch Coat
Landscaping Equipment	NA	NA	NA	NA	lb/day	wksht: Landscaping & Snow Removal
Snow Removal	0.4	2.5	0.1	0.1	lb/day	wksht: Landscaping & Snow Removal
Total	**142.1**	**78.0**	**15.0**	**8.7**	lb/day	summation

PCAPCD Thresholds of Significance	**82**	**82**	**82**	**NA**	**lb/day**

Notes

1 Snow removal and associated emissions would not occur during the summer.

2 Including emissions from architectural coatings in the total maximum daily emissions estimates is conservative because it is unlikely that such maintenance activities would occur during peak activity days while the proposed land uses would be operating at full capacity. The types of land uses proposed by the Specific Plan typically experience seasonal periods of low occupancy and it is most likely that painting, like other periodic maintenance activities, would be performed during such periods of low occupancy (i.e., the shoulder season).

Operational GHG Emissions

Annual Greenhouse Gas Emissions Associated with Full Buildout of the Specific Plan in 2037

Source	CO2-e	units	source
Vehicle Trips	14,241	MT/year	wksht: Mobile-Source GHGs 2037; See Note 1
Propane Consumption	19,732	MT/year	wksht: Propane Consumption
Electricity Consumption	10,941	MT/year	wksht: Electricity Consumption; See Note 2
Water Consumption	25	MT/year	wksht: Water Consumption; See Note 3 and Note 4
Wastewater Treatment	147	MT/year	wksht: Wastewater Treatment
Solid Waste Generation	92	MT/year	wksht: Solid Waste
Landscaping	10	MT/year	wksht: Landscaping & Snow Removal
Snow Removal	56	MT/year	wksht: Landscaping & Snow Removal
Construction	118	MT/year	Construction Modeling.xlsx
Loss in Carbon Sequestration	40	MT/year	wksht: Carbon Sequestration
Total	**45,403**	MT/year	summation

Annual Greenhouse Gas Emissions Associated with the No-Action-Taken-in-2020 Scenario and Full-Buildout-in-2020 Scenario

Source	NAT in 2020 Scenario	Full-Buildout-in-2020 Scenario	units	source (NAT Scenario)	source (Proposed Project)
Vehicle Trips	21,004	15,832	MT/year	wksht: Mobile-Source GHGs 2010 BAU	wksht: Mobile-Source GHGs 2020
Propane Consumption	26,309	19,732	MT/year	wksht: Propane Consumption	wksht: Propane Consumption
Electricity Consumption	14,588	10,941	MT/year	wksht: Electricity Consumption; See Note 2	wksht: Electricity Consumption
Water Consumption	25	25	MT/year	wksht: Water Consumption; See Note 3	wksht: Water Consumption; See Note 3
Wastewater Treatment	147	147	MT/year	wksht: Wastewater Treatment	wksht: Wastewater Treatment
Solid Waste Generation	92	92	MT/year	wksht: Solid Waste	wksht: Solid Waste
Landscaping	10	10	MT/year	wksht: Landscaping & Snow Removal	wksht: Landscaping & Snow Removal
Snow Removal	56	56	MT/year	wksht: Landscaping & Snow Removal	wksht: Landscaping & Snow Removal
Construction	118	118	MT/year	Construction Modeling.xlsx	Construction Modeling.xlsx
Loss in Carbon Sequestration	40	40	MT/year	wksht: Carbon Sequestration	wksht: Carbon Sequestration
Total	**62,391**	**46,994**	MT/year	summation	summation

Percent Difference Between Proposed Project and No-Action-Taken Scenario during the 2020 Comparison Year	**24.7%**	%	calculation
PCAPCD's Reduction % Threshold Target (Tier II)	**21.7%**	%	Source 1

Notes

1 Estimated emissions from vehicle trips are lower in 2037 than in the 2020 comparison year because more vehicle turnover has occur by that point in time (i.e., older less, GHG-efficient vehicles have been replaced by newer, more GHG-efficient vehicles).

2 Estimates of GHG emissions associated with electricity consumption are conservative because they are based on the utility's GHG emission factor for 2008. This GHG emission factor is expected to decrease in future years, particularly as utilities strive to comply with the 33% renewable requirement by 2020, as mandated by the Renewable Energy Standard.

3 Water consumption-related GHG emissions consist of the indirect emissions associated with the electricity used to pump the on-site wells and, thus, may be double counting a portion of the project's projected level of electricity consumption.

4 Because the availability of ground water is limited in Olympic Valley it is assumed that the level of water consumption would be the same under the building-as-usual scenario as estimated in the Water Supply Assessment (Farr West Engineering, Hydrometrics WRI, and Todd Groundwater 2014).

5 Consumer productsand architectural coatings do not result in any substantial level of GHG emissions and, therefore, are not included in this summary table.

Source

1 Green, Angel. Associate Planner. Placer County Air Pollution Control District, Auburn, CA. November 13, 2014—e-mail correspondence with Austin Kerr of Ascent Environmental regarding assumptions and methods for estimating GHG emissiosn for the Business-As-Usual Scenario and the efficiency threshold target.

Methods to Estimate Emissions from Operational Emission Sources

Emissions Source	CAPs and Precursors	GHGs	Method	Applicable Worksheet(s)
Vehicle Trips	yes	yes	Estimates for the levels of VMT that would occur in Placer County and/or the MCAB were developed in the traffic analysis. The Fleet Mix was developed using the default state-wide fleet mix from CalEEMod and traffic counts collected in the field that include a breakdown by vehicle type. Emission factors were provided by CalEEMod.	VMT Fleet Mix On-Rd Emfacs 2017 On-Rd Emfacs 2037 On-Rd Emfacs 2010 On-Rd Emfacs 2020Mobile-source CAPs 2017 Summer Mobile-Source CAPs 2017 Winter Mobile-source CAPs 2037 Summer Mobile-Source CAPs 2037 Winter Mobile-Source GHGs 2037
Propane Consumption	yes	yes	The volume of propane consumption was estimated in the dry utilities report: Capitol Utility Specialists. 2014 (March). *Squaw Valley Technical Dry Utilities Study* . NOx emission factor was provided by John Finnel of PCAPCD based on existing propane-powered boilers in Olympic Valley. ROG, PM10, and PM2.5 emission factors are from EPA's AP-42, Section 1.5, Liquefied Petroleum Gas Combustion, at http://www.epa.gov/ttn/chief/ap42/ch01/final/c01s05.pdf GHG emission factors are from Climate Registry, The. 2014 (April 11). 2014 Climate Registry Default Emission Factors. Available at http://www.theclimateregistry.org/downloads/2014/04/2014-Climate-Registry-Default-Emissions-Factors.pdf. Accessed October 13, 2014.	Propane Consumption Occupancy Levels
Space and Water Heating	yes	yes	Emissions from this source is accounted for on the Propane Consumption worksheet.	Propane Consumption
Hearths	yes	yes	Emissions from this source is accounted for on the Propane Consumption worksheet.	Propane Consumption
Consumer Products	yes	no	CalEEMod, Operational tab, Area Source module, Consumer Products screen. The output files are called "SV operational cons prod & arch coat Output Summer.pdf" and "SV operational cons prod & arch coat Output Winter.pdf".	Cons Prod & Arch Coat
Area Architectural Coatings	yes	no	CalEEMod, Operational tab, Area Source module, Area Architectural Coatings screen. The output files are called: SV operational cons prod & arch coat Output Summer.pdf; and SV operational cons prod & arch coat Output Winter.pdf	Cons Prod & Arch Coat
Landscape Equipment	yes	yes	CalEEMod, Operational tab, Area Source module, Landscape Equipment screen. The output files are called: SV operational landscaping & snow removal Output Summer 2017.pdf; SV operational landscaping & snow removal Output Summer 2035.pdf; and SV operational landscaping & snow removal Output Winter 2017.pdf	Landscaping & Snow Removal
Snow Removal (winter only)	yes	yes	CalEEMod, Operational tab, Offroad Equipment screen	Landscaping & Snow Removal
Electricity Consumption	no	yes	Emission factors for Sierra Pacific Power Company, listed in CalEEMod.	Electricity Consumption Electricity GHG Emfacs Occupancy Levels
Water Consumption	no	yes	The volume of water consumred by the project is estimated in the Water Supply Assessment. The level of electricity consumed to pump the water from groundwater wells is based on well depth using methodoogy in California Energy Commission. 2006 (December). *Refining Estimates of Water-Related Energy Use in California* . Sacramento, CA. CEC-500-2006-118. Available at http://www.energy.ca.gov/pier/project_reports/CEC-500-2006-118.html. Accessed May 3, 2012. The GHG emission factors listed in CalEEMod are used to estimate GHGs from the associated electricity consumption.	Water Consumption Electricity GHG Emfacs
Wastewater Treatment	no	yes	The volume of wastewater generated by the project is estimated in the sewer report: MacKay & Somps. 2014 (March 21). *Technical Memorandum No. 2.* The level of electricity consumed to treat and convey the wastewater is from CalEEMod. The GHG emission factors listed in CalEEMod are used to estimate GHGs from the associated electricity consumption.	Wastewater Treatment Electricity GHG Emfacs
Solid Waste	no	yes	CalEEMod, Operationsal tab, Area Source module, Solid Waste	Solid Waste Occupancy Levels
Carbon Sequestration	no	yes	CalEEMod, Vegetation tab, Land Use Change screen. They quantities and types of vegetation removed was estimated in the biological impact analysis.	Carbon Sequestration

Project Desciption - VSVSP Parameters

Parameters of the Village at Squaw Valley Specific Plan

2016	Earliest year when constructon could begin
2017	Earliest year when new land uses could become operational
20%	Maximum portion of Specific Plan that could be constructed in one year
2017	Earliest year of new operations
20%	Portion of Specific Plan that could be operational during first year of operations
20 to 25	Number of years for full buildout of Specific Plan to occur
2037	Earliest possible year when operation of full Specific Plan would occur

Mobile-Source CAPs and Precursors in Placer County and/or MCAB, 2017, Summer

VMT Levels	value	units	source
Peak Summer Day VMT at Full Buildout of VSVSP in Placer County and/or MCAB	172,168	VMT/day	wksht: VMT
Peak Summer Day Trips at Full Buildout of VSVSP	8,410	trips/day	wksht: VMT
Portion of Specific Plan that could be operational during first year of operations	20%	%	wksht: VSVSP Parameters
Max. daily VMT in Placer County/MCAB in 2017, Summer	34,434	VMT/day	calculation
Max. daily trips in Placer County/MCAB in 2017, Summer	1,682	trips/day	calculation

By Vehicle Class	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	Total	units	source
Fleet Mix, 2017, Summer	20.80%	19.81%	56.22%	1.32%	1.55%	0.06%	0.06%	0.06%	0.06%	0.06%	100.00%	%	wksht: Fleet Mix
Daily VMT by Vehicle Class	7,163	6,821	19,359	454	534	20	20	20	20	20	34,434	VMT/day	calculation
Daily Trips by Vehicle Class	350	333	946	22	26	1	1	1	1	1	1,682	trips/day	calculation

On-Road Emission Factors - Summer Season

	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	units
Running Exhaust											
NOX_RUNEX	0.091418	0.243593	0.160003	3.453699	11.49164	0.289533	1.479377	2.141507	2.924787	4.801872	g/mi
PM10_PMBW	0.03675	0.03675	0.03675	0.09273	0.681463	0.03675	0.050245	0.067881	0.113996	0.060597	g/mi
PM10_PMTW	0.008	0.008	0.008	0.010393	0.008	0.008	0.00936	0.010375	0.011301	0.035153	g/mi
PM10_RUNEX	0.001849	0.00385	0.001891	0.039542	0.196086	0.002225	0.015268	0.023123	0.077629	0.085633	g/mi
PM25_PMBW	0.01575	0.01575	0.01575	0.039741	0.292056	0.01575	0.021534	0.029092	0.048855	0.02597	g/mi
PM25_PMTW	0.002	0.002	0.002	0.002598	0.002	0.002	0.00234	0.002594	0.002825	0.008788	g/mi
PM25_RUNEX	0.001702	0.003547	0.001743	0.036379	0.180377	0.00205	0.014053	0.021271	0.071415	0.078782	g/mi
ROG_RUNEX	0.028904	0.077972	0.037603	0.163062	0.806382	0.071035	0.161005	0.134774	0.168369	0.228545	g/mi
ROG_RUNLS	0.268379	0.9727	0.47745	0.306181	0.587198	0.62955	0.458412	0.242501	0.590005	0.724757	g/mi
Starting Exhaust											
NOX_STREX	0.12496	0.268645	0.260712	1.560609	1.221912	0.465239	1.203632	0.734591	1.890602	3.969242	g/trip
PM10_STREX	0.003005	0.005045	0.003061	0.000921	0.00072	0.003526	0.001122	0.000616	0.003202	0.00391	g/trip
PM25_STREX	0.00277	0.00465	0.002827	0.000822	0.000639	0.003254	0.001032	0.000556	0.002729	0.003165	g/trip
ROG_STREX	0.131399	0.32569	0.187409	0.630146	0.713492	0.371789	0.354542	0.199871	1.126498	2.243346	g/trip

Source: wksht On-Road Emfacs

Mobile-Source CAPs and Precursors in Placer County and/or MCAB, 2017, Summer

Max Daily Emissions by Vehicle Class

	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	Total	units
Running Exhaust												
NOX	655	1,662	3,098	1,569	6,131	6	30	44	60	98	13,353	g/day
PM10	334	332	903	65	472	1	2	2	4	4	2,118	g/day
PM2.5	139	145	377	36	253	0	1	1	3	2	958	g/day
ROG	2,129	7,167	9,971	213	744	14	13	8	16	20	20,294	g/day
Starting Exhaust												
NOX	44	90	247	35	32	0	1	1	2	4	455	g/day
PM10	1	2	3	0	0	0	0	0	0	0	6	g/day
PM2.5	1	2	3	0	0	0	0	0	0	0	5	g/day
ROG	46	109	177	14	19	0	0	0	1	2	369	g/day

	value	units	source
mass conversion rate	453.59237	g/lb	wksht: Conversion Rates

Max. Daily Emissions, 2017, Summer

NOX	PM10	PM2.5	ROG	units	source
30	5	2	46	lb/day	summation, conversion calculation

Mobile-Source CAPs and Precursors in Placer County and/or MCAB, 2017 Full Buildout, Winter

VMT Levels	value	units	source
Peak Winter Day VMT at Full Buildout of VSVSP in Placer County and/or MCAB	85,398	VMT/day	wksht: VMT
Peak Winter Day Trips at Full Buildout of VSVSP	2,821	trips/day	wksht: VMT
Portion of Specific Plan that could be operational during first year of operations	20%	%	wksht: VSVSP Parameters
Peak Winter Day VMT at Full Buildout of VSVSP in Placer County and/or MCAB	17,080	VMT/day	wksht: VMT
Peak Winter Day Trips at Full Buildout of VSVSP	564	trips/day	wksht: VMT

By Vehicle Class	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	Total	units	source
Fleet Mix, 2017, Winter	20.68%	19.69%	55.89%	1.31%	1.54%	0.18%	0.18%	0.18%	0.18%	0.18%	100.00%	%	wksht: Fleet Mix
Daily VMT by Vehicle Class	3,532	3,363	9,546	224	263	30	30	30	30	30	17,080	VMT/day	calculation
Daily Trips by Vehicle Class	117	111	315	7	9	1	1	1	1	1	564	trips/day	calculation

On-Road Emission Factors - Winter Season

	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	units
Running Exhaust											
NOX_RUNEX	0.104993	0.283913	0.185092	3.675359	12.11756	0.335857	1.586466	2.263711	3.098349	5.074817	g/mi
PM10_PMBW	0.03675	0.03675	0.03675	0.09273	0.681463	0.03675	0.050245	0.067881	0.113996	0.060597	g/mi
PM10_PMTW	0.008	0.008	0.008	0.010393	0.008	0.008	0.00936	0.010375	0.011301	0.035153	g/mi
PM10_RUNEX	0.001849	0.00385	0.001891	0.039542	0.196086	0.002225	0.015268	0.023123	0.077629	0.085633	g/mi
PM25_PMBW	0.01575	0.01575	0.01575	0.039741	0.292056	0.01575	0.021534	0.029092	0.048855	0.02597	g/mi
PM25_PMTW	0.002	0.002	0.002	0.002598	0.002	0.002	0.00234	0.002594	0.002825	0.008788	g/mi
PM25_RUNEX	0.001702	0.003547	0.001743	0.036379	0.180377	0.00205	0.014053	0.021271	0.071415	0.078782	g/mi
ROG_RUNEX	0.026854	0.072546	0.034601	0.159873	0.789096	0.064391	0.155495	0.133688	0.167394	0.22825	g/mi
ROG_RUNLS	0.320232	1.250302	0.605082	0.337181	0.749204	0.78826	0.514685	0.273742	0.655485	0.779815	g/mi
Starting Exhaust											
NOX_STREX	0.143129	0.308271	0.299216	1.70268	1.340479	0.534956	1.306925	0.793829	2.05878	4.338956	g/trip
PM10_STREX	0.003005	0.005045	0.003061	0.000921	0.00072	0.003526	0.001122	0.000616	0.003202	0.00391	g/trip
PM25_STREX	0.00277	0.00465	0.002827	0.000822	0.000639	0.003254	0.001032	0.000556	0.002729	0.003165	g/trip
ROG_STREX	0.179674	0.448402	0.257637	0.827656	0.893842	0.512348	0.460629	0.254858	1.55812	3.338938	g/trip

Source: wksht On-Road Emfacs

Mobile-Source CAPs and Precursors in Placer County and/or MCAB, 2017 Full Buildout, Winter

Max Daily Emissions by Vehicle Class

	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	Total	units
Running Exhaust												
NOX	371	955	1,767	824	3,188	10	48	69	94	154	7,478	g/day
PM10	165	163	445	32	233	1	2	3	6	5	1,057	g/day
PM2.5	69	72	186	18	125	1	1	2	4	3	479	g/day
ROG	1,226	4,449	6,106	111	405	26	20	12	25	31	12,411	g/day
Starting Exhaust												
NOX	17	34	94	13	12	1	1	1	2	4	179	g/day
PM10	0	1	1	0	0	0	0	0	0	0	2	g/day
PM2.5	0	1	1	0	0	0	0	0	0	0	2	g/day
ROG	21	50	81	6	8	1	0	0	2	3	172	g/day

	value	units	source
mass conversion rate	453.59237	g/lb	wksht: Conversion Rates

Max. Daily Emissions, 2017, Winter

NOX	PM10	PM2.5	ROG	units	source
17	2	1	28	lb/day	summation, conversion calculation

On-Road Emission Factors by Vehicle Class, Year 2017

Statewide Fleet Climate Zone 14 Rural Setting

Source: Default emission factors for Statewide vehicle fleet from CalEEMod.2013.2.

Annual	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Annual	FleetMix	0.49132	0.063009	0.178824	0.144183	0.045498	0.006725	0.015816	0.041294	0.00189	0.002219	0.005977	0.000692	0.002553
Annual	CH4_IDLEX	0	0	0	0	0.001196	0.000909	0.007844	0.024256	0.01879	0	0	0.005444	0
Annual	CH4_RUNEX	0.011933	0.024208	0.016481	0.027423	0.018249	0.011997	0.006208	0.010187	0.002809	0	0	0.007794	0
Annual	CH4_STREX	0.009215	0.022849	0.013102	0.025945	0.023771	0.013366	0	0	0	0	0	0	0
Annual	CO_IDLEX	0	0	0	0	0.174796	0.137583	1.862326	2.911957	2.366964	0	0	1.069962	0
Annual	CO_RUNEX	1.033446	2.588826	1.447568	2.305222	1.751295	1.157547	1.151007	1.513244	1.654512	5.39121	26.448165	5.860603	3.734388
Annual	CO_STREX	2.164089	5.345742	3.197331	5.445325	4.766384	2.55872	21.100115	74.908765	12.346762	11.260017	10.571235	38.499822	9.788504
Annual	CO2_NBIO_IDLEX	0	0	0	0	8.428487	9.255716	596.69302	557.65143	563.74208	0	0	562.54776	0
Annual	CO2_NBIO_RUNEX	273.45549	327.08101	397.33956	523.33853	663.80293	591.82453	1013.0496	1619.3889	1072.9389	2060.0683	151.0237	1094.8585	687.57667
Annual	CO2_NBIO_STREX	59.541315	70.682738	85.590274	112.07992	38.32982	24.710988	56.461388	60.492106	35.158132	27.353665	42.173719	125.16411	33.75013
Annual	NOX_IDLEX	0	0	0	0	0.064931	0.116314	6.04223	4.560807	5.547784	0	0	8.052276	0
Annual	NOX_RUNEX	0.102116	0.274947	0.179487	0.324055	1.576792	2.261193	3.089642	5.055209	3.663019	12.125255	1.238273	8.195207	1.714354
Annual	NOX_STREX	0.136542	0.293845	0.285143	0.508596	1.268183	0.772198	1.994327	4.196227	1.648166	1.295778	0.313278	2.609377	0.96986
Annual	PM10_IDLEX	0	0	0	0	0.000708	0.001262	0.024327	0.011908	0.010511	0	0	0.026779	0
Annual	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.050245	0.067881	0.113996	0.060597	0.09273	0.681463	0.036749	0.559624	0.050799
Annual	PM10_PMTW	0.008	0.008	0.008	0.008	0.00936	0.010375	0.011301	0.035153	0.010393	0.008	0.008	0.010954	0.0086
Annual	PM10_RUNEX	0.001849	0.00385	0.001891	0.002225	0.015268	0.023123	0.077629	0.085633	0.039542	0.196086	0.000492	0.087241	0.029635
Annual	PM10_STREX	0.003005	0.005045	0.003061	0.003526	0.001122	0.000616	0.003202	0.00391	0.000921	0.00072	0.001409	0.006551	0.001103
Annual	PM25_IDLEX	0	0	0	0	0.000652	0.001161	0.022381	0.010955	0.00967	0	0	0.024636	0
Annual	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.021534	0.029092	0.048855	0.02597	0.039741	0.292056	0.01575	0.239839	0.021771
Annual	PM25_PMTW	0.002	0.002	0.002	0.002	0.00234	0.002594	0.002825	0.008788	0.002598	0.002	0.002	0.002738	0.00215
Annual	PM25_RUNEX	0.001702	0.003547	0.001743	0.00205	0.014053	0.021271	0.071415	0.078782	0.036379	0.180377	0.000402	0.080194	0.027253
Annual	PM25_STREX	0.00277	0.00465	0.002827	0.003254	0.001032	0.000556	0.002729	0.003165	0.000822	0.000639	0.001136	0.005753	0.001014
Annual	ROG_DIURN	0.050717	0.154847	0.067868	0.090239	0.002592	0.001402	0.003317	0.0029	0.000962	0.004521	0.435503	0.030498	0.085737
Annual	ROG_HTSK	0.123742	0.291922	0.156893	0.209234	0.073124	0.042101	0.13703	0.160011	0.028352	0.091618	0.424403	0.260076	0.089845
Annual	ROG_IDLEX	0	0	0	0	0.027707	0.020814	0.168879	0.522229	0.404538	0	0	0.117215	0
Annual	ROG_RESTL	0.042708	0.113528	0.058935	0.07943	0.001375	0.000777	0.001768	0.001607	0.000452	0.002322	0.242276	0.01108	0.031181
Annual	ROG_RUNEX	0.027114	0.073093	0.035044	0.065533	0.157582	0.134021	0.167671	0.228338	0.161106	0.794253	2.711423	0.523863	0.141876
Annual	ROG_RUNLS	0.280997	1.037207	0.508145	0.665507	0.468833	0.248533	0.600202	0.724724	0.312698	0.628921	1.467838	2.091358	2.412179
Annual	ROG_STREX	0.161446	0.401855	0.230861	0.457576	0.419863	0.234175	1.374147	2.853558	0.749082	0.823821	2.23805	2.600782	0.522332
Annual	SO2_IDLEX	0	0	0	0	0.00009	0.000097	0.005992	0.0056	0.005661	0	0	0.005649	0
Annual	SO2_RUNEX	0.003506	0.004064	0.004769	0.006061	0.006923	0.006094	0.010235	0.016273	0.010912	0.020829	0.00209	0.011177	0.00721
Annual	SO2_STREX	0.000773	0.000939	0.001058	0.001364	0.000491	0.000307	0.000968	0.001902	0.000587	0.00049	0.00068	0.002002	0.000525
Annual	TOG_DIURN	0.050717	0.154847	0.067868	0.090239	0.002592	0.001402	0.003317	0.0029	0.000962	0.004521	0.435503	0.030498	0.085737
Annual	TOG_HTSK	0.123742	0.291922	0.156893	0.209234	0.073124	0.042101	0.13703	0.160011	0.028352	0.091618	0.424403	0.260076	0.089845
Annual	TOG_IDLEX	0	0	0	0	0.029523	0.022409	0.192256	0.594518	0.460536	0	0	0.133441	0
Annual	TOG_RESTL	0.042708	0.113528	0.058935	0.07943	0.001375	0.000777	0.001768	0.001607	0.000452	0.002322	0.242276	0.01108	0.031181
Annual	TOG_RUNEX	0.039496	0.098435	0.052093	0.093968	0.183077	0.155651	0.191989	0.260367	0.187662	0.882852	2.965733	0.57968	0.172019
Annual	TOG_RUNLS	0.280997	1.037207	0.508145	0.665507	0.468833	0.248533	0.600202	0.724724	0.312698	0.628921	1.467838	2.091358	2.412179
Annual	TOG_STREX	0.172486	0.429249	0.246574	0.488698	0.448384	0.250189	1.471055	3.05782	0.800324	0.880178	2.404911	2.781639	0.55784
Summer	FleetMix	0.49132	0.063009	0.178824	0.144183	0.045498	0.006725	0.015816	0.041294	0.00189	0.002219	0.005977	0.000692	0.002553

On-Road Emission Factors by Vehicle Class, Year 2017

Statewide Fleet Climate Zone 14 Rural Setting

Source: Default emission factors for Statewide vehicle fleet from CalEEMod.2013.2.

Annual	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Summer	CH4_IDLEX	0	0	0	0	0.001196	0.000909	0.007392	0.022859	0.017708	0	0	0.005131	0
Summer	CH4_RUNEX	0.011933	0.024208	0.016481	0.027423	0.018249	0.011997	0.006208	0.010187	0.002809	0	0	0.007794	0
Summer	CH4_STREX	0.009215	0.022849	0.013102	0.025945	0.023771	0.013366	0	0	0	0	0	0	0
Summer	CO_IDLEX	0	0	0	0	0.174796	0.137583	1.353243	2.115948	1.719934	0	0	0.777478	0
Summer	CO_RUNEX	1.181037	2.900575	1.647533	2.627288	1.790843	1.168291	1.1624	1.523072	1.687348	5.441037	25.623481	5.89563	3.829657
Summer	CO_STREX	1.62663	4.010621	2.388157	4.081093	3.53927	1.960018	16.042606	57.802459	9.266398	8.968293	8.848039	31.18922	6.782377
Summer	CO2_NBIO_IDLEX	0	0	0	0	8.428487	9.255716	632.14352	590.78241	597.23491	0	0	595.96964	0
Summer	CO2_NBIO_RUNEX	291.79071	348.02793	423.37869	558.42487	663.80294	591.82454	1013.0496	1619.3889	1072.9389	2060.0683	151.0237	1094.8585	687.57665
Summer	CO2_NBIO_STREX	59.541317	70.68274	85.590274	112.07992	38.32982	24.710989	56.461387	60.492105	35.158132	27.353665	42.173718	125.16411	33.750129
Summer	NOX_IDLEX	0	0	0	0	0.064931	0.116314	6.236595	4.707518	5.726244	0	0	8.311301	0
Summer	NOX_RUNEX	0.091418	0.243593	0.160003	0.289533	1.479377	2.141507	2.924787	4.801872	3.453699	11.491642	1.075892	7.747571	1.577038
Summer	NOX_STREX	0.12496	0.268645	0.260712	0.465239	1.203632	0.734591	1.890602	3.969242	1.560609	1.221912	0.29007	2.422932	0.909645
Summer	PM10_IDLEX	0	0	0	0	0.000708	0.001262	0.020508	0.010038	0.008861	0	0	0.022575	0
Summer	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.050245	0.067881	0.113996	0.060597	0.09273	0.681463	0.036749	0.559624	0.050799
Summer	PM10_PMTW	0.008	0.008	0.008	0.008	0.00936	0.010375	0.011301	0.035153	0.010393	0.008	0.008	0.010954	0.0086
Summer	PM10_RUNEX	0.001849	0.00385	0.001891	0.002225	0.015268	0.023123	0.077629	0.085633	0.039542	0.196086	0.000492	0.087241	0.029635
Summer	PM10_STREX	0.003005	0.005045	0.003061	0.003526	0.001122	0.000616	0.003202	0.00391	0.000921	0.00072	0.001409	0.006551	0.001103
Summer	PM25_IDLEX	0	0	0	0	0.000652	0.001161	0.018868	0.009235	0.008152	0	0	0.020769	0
Summer	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.021534	0.029092	0.048855	0.02597	0.039741	0.292056	0.01575	0.239839	0.021771
Summer	PM25_PMTW	0.002	0.002	0.002	0.002	0.00234	0.002594	0.002825	0.008788	0.002598	0.002	0.002	0.002738	0.00215
Summer	PM25_RUNEX	0.001702	0.003547	0.001743	0.00205	0.014053	0.021271	0.071415	0.078782	0.036379	0.180377	0.000402	0.080194	0.027253
Summer	PM25_STREX	0.00277	0.00465	0.002827	0.003254	0.001032	0.000556	0.002729	0.003165	0.000822	0.000639	0.001136	0.005753	0.001014
Summer	ROG_DIURN	0.100632	0.315637	0.136909	0.183814	0.005263	0.00273	0.0069	0.006604	0.001847	0.008448	0.973285	0.063341	0.169082
Summer	ROG_HTSK	0.136767	0.336	0.175791	0.234505	0.08331	0.047518	0.15291	0.179264	0.03045	0.101309	0.593713	0.273046	0.098771
Summer	ROG_IDLEX	0	0	0	0	0.027707	0.020814	0.159153	0.492152	0.38124	0	0	0.110464	0
Summer	ROG_RESTL	0.079187	0.219782	0.110372	0.14937	0.002695	0.00146	0.003577	0.00358	0.000836	0.004345	0.61225	0.022071	0.060763
Summer	ROG_RUNEX	0.028904	0.077972	0.037603	0.071035	0.161005	0.134774	0.168369	0.228545	0.163062	0.806382	2.619821	0.531778	0.144718
Summer	ROG_RUNLS	0.268379	0.9727	0.47745	0.62955	0.458412	0.242501	0.590005	0.724757	0.306181	0.587198	1.364106	1.879301	2.348544
Summer	ROG_STREX	0.131399	0.32569	0.187409	0.371789	0.354542	0.199871	1.126498	2.243346	0.630146	0.713492	1.849344	2.234341	0.415089
Summer	SO2_IDLEX	0	0	0	0	0.00009	0.000097	0.006348	0.005933	0.005998	0	0	0.005985	0
Summer	SO2_RUNEX	0.003745	0.004331	0.005086	0.006473	0.006923	0.006094	0.010235	0.016273	0.010913	0.02083	0.002074	0.011177	0.007211
Summer	SO2_STREX	0.000763	0.000916	0.001044	0.00134	0.00047	0.000297	0.000881	0.001614	0.000535	0.000451	0.000641	0.001875	0.000474
Summer	TOG_DIURN	0.100632	0.315637	0.136909	0.183814	0.005263	0.00273	0.0069	0.006604	0.001847	0.008448	0.973285	0.063341	0.169082
Summer	TOG_HTSK	0.136767	0.336	0.175791	0.234505	0.08331	0.047518	0.15291	0.179264	0.03045	0.101309	0.593713	0.273046	0.098771
Summer	TOG_IDLEX	0	0	0	0	0.029523	0.022409	0.181184	0.560278	0.434012	0	0	0.125755	0
Summer	TOG_RESTL	0.079187	0.219782	0.110372	0.14937	0.002695	0.00146	0.003577	0.00358	0.000836	0.004345	0.61225	0.022071	0.060763
Summer	TOG_RUNEX	0.042297	0.104797	0.055987	0.101269	0.186884	0.156557	0.192766	0.260593	0.189826	0.89569	2.869334	0.588081	0.175301
Summer	TOG_RUNLS	0.268379	0.9727	0.47745	0.62955	0.458412	0.242501	0.590005	0.724757	0.306181	0.587198	1.364106	1.879301	2.348544
Summer	TOG_STREX	0.140387	0.347893	0.200166	0.397079	0.378621	0.213528	1.205775	2.403648	0.673202	0.762279	1.987045	2.389413	0.443301
Winter	FleetMix	0.49132	0.063009	0.178824	0.144183	0.045498	0.006725	0.015816	0.041294	0.00189	0.002219	0.005977	0.000692	0.002553
Winter	CH4_IDLEX	0	0	0	0	0.001196	0.000909	0.008468	0.026186	0.020284	0	0	0.005877	0

On-Road Emission Factors by Vehicle Class, Year 2017

Statewide Fleet Climate Zone 14 Rural Setting

Source: Default emission factors for Statewide vehicle fleet from CalEEMod.2013.2.

Annual	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Winter	CH4_RUNEX	0.011933	0.024208	0.016481	0.027423	0.018249	0.011997	0.006208	0.010187	0.002809	0	0	0.007794	0
Winter	CH4_STREX	0.009215	0.022849	0.013102	0.025945	0.023771	0.013366	0	0	0	0	0	0	0
Winter	CO_IDLEX	0	0	0	0	0.174796	0.137583	2.565346	4.011207	3.260483	0	0	1.473868	0
Winter	CO_RUNEX	1.002065	2.530091	1.405171	2.240133	1.730445	1.156764	1.152513	1.509922	1.6365	5.389958	27.704739	5.913107	3.706818
Winter	CO_STREX	2.475665	6.130227	3.673468	6.287648	5.560133	2.926444	24.704358	87.187554	14.433189	12.764793	12.084567	44.794392	12.639732
Winter	CO2_NBIO_IDLEX	0	0	0	0	8.428487	9.255716	547.73756	511.89913	517.49008	0	0	516.39374	0
Winter	CO2_NBIO_RUNEX	268.52256	321.40151	390.28372	513.46634	663.80294	591.82454	1013.0496	1619.3889	1072.9389	2060.0683	151.0237	1094.8585	687.57665
Winter	CO2_NBIO_STREX	59.541317	70.68274	85.590274	112.07992	38.32982	24.710989	56.461387	60.492105	35.158132	27.353665	42.173718	125.16411	33.750129
Winter	NOX_IDLEX	0	0	0	0	0.064931	0.116314	5.77382	4.358206	5.301338	0	0	7.694576	0
Winter	NOX_RUNEX	0.104993	0.283913	0.185092	0.335857	1.586466	2.263711	3.098349	5.074817	3.675359	12.117564	1.277513	8.234293	1.73152
Winter	NOX_STREX	0.143129	0.308271	0.299216	0.534956	1.306925	0.793829	2.05878	4.338956	1.70268	1.340479	0.329651	2.740939	1.020287
Winter	PM10_IDLEX	0	0	0	0	0.000708	0.001262	0.029602	0.014489	0.01279	0	0	0.032584	0
Winter	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.050245	0.067881	0.113996	0.060597	0.09273	0.681463	0.036749	0.559624	0.050799
Winter	PM10_PMTW	0.008	0.008	0.008	0.008	0.00936	0.010375	0.011301	0.035153	0.010393	0.008	0.008	0.010954	0.0086
Winter	PM10_RUNEX	0.001849	0.00385	0.001891	0.002225	0.015268	0.023123	0.077629	0.085633	0.039542	0.196086	0.000492	0.087241	0.029635
Winter	PM10_STREX	0.003005	0.005045	0.003061	0.003526	0.001122	0.000616	0.003202	0.00391	0.000921	0.00072	0.001409	0.006551	0.001103
Winter	PM25_IDLEX	0	0	0	0	0.000652	0.001161	0.027234	0.01333	0.011767	0	0	0.029978	0
Winter	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.021534	0.029092	0.048855	0.02597	0.039741	0.292056	0.01575	0.239839	0.021771
Winter	PM25_PMTW	0.002	0.002	0.002	0.002	0.00234	0.002594	0.002825	0.008788	0.002598	0.002	0.002	0.002738	0.00215
Winter	PM25_RUNEX	0.001702	0.003547	0.001743	0.00205	0.014053	0.021271	0.071415	0.078782	0.036379	0.180377	0.000402	0.080194	0.027253
Winter	PM25_STREX	0.00277	0.00465	0.002827	0.003254	0.001032	0.000556	0.002729	0.003165	0.000822	0.000639	0.001136	0.005753	0.001014
Winter	ROG_DIURN	0.03628	0.110683	0.046723	0.060225	0.00188	0.001065	0.002295	0.001733	0.000723	0.003819	0.303315	0.020856	0.068982
Winter	ROG_HTSK	0.134211	0.323195	0.168559	0.221862	0.082772	0.047178	0.161598	0.195172	0.030587	0.112175	0.510171	0.308117	0.111862
Winter	ROG_IDLEX	0	0	0	0	0.027707	0.020814	0.182311	0.563764	0.436713	0	0	0.126538	0
Winter	ROG_RESTL	0.030911	0.080889	0.04198	0.055566	0.00103	0.0006	0.001272	0.001047	0.000354	0.001964	0.150082	0.008362	0.025728
Winter	ROG_RUNEX	0.026854	0.072546	0.034601	0.064391	0.155495	0.133688	0.167394	0.22825	0.159873	0.789096	2.784785	0.520396	0.14069
Winter	ROG_RUNLS	0.320232	1.250302	0.605082	0.78826	0.514685	0.273742	0.655485	0.779815	0.337181	0.749204	1.786535	2.538733	2.591756
Winter	ROG_STREX	0.179674	0.448402	0.257637	0.512348	0.460629	0.254858	1.55812	3.338938	0.827656	0.893842	2.557341	2.893582	0.620347
Winter	SO2_IDLEX	0	0	0	0	0.00009	0.000097	0.005501	0.005141	0.005197	0	0	0.005186	0
Winter	SO2_RUNEX	0.003442	0.003992	0.004684	0.005945	0.006922	0.006094	0.010235	0.016273	0.010912	0.020829	0.002112	0.011177	0.007209
Winter	SO2_STREX	0.000778	0.000953	0.001067	0.001379	0.000505	0.000314	0.00103	0.00211	0.000622	0.000516	0.000714	0.00211	0.000573
Winter	TOG_DIURN	0.03628	0.110683	0.046723	0.060225	0.00188	0.001065	0.002295	0.001733	0.000723	0.003819	0.303315	0.020856	0.068982
Winter	TOG_HTSK	0.134211	0.323195	0.168559	0.221862	0.082772	0.047178	0.161598	0.195172	0.030587	0.112175	0.510171	0.308117	0.111862
Winter	TOG_IDLEX	0	0	0	0	0.029523	0.022409	0.207547	0.641803	0.497165	0	0	0.144054	0
Winter	TOG_RESTL	0.030911	0.080889	0.04198	0.055566	0.00103	0.0006	0.001272	0.001047	0.000354	0.001964	0.150082	0.008362	0.025728
Winter	TOG_RUNEX	0.038938	0.09747	0.051253	0.092281	0.180748	0.155229	0.191671	0.260269	0.186299	0.877383	3.042937	0.575987	0.170603
Winter	TOG_RUNLS	0.320232	1.250302	0.605082	0.78826	0.514685	0.273742	0.655485	0.779815	0.337181	0.749204	1.786535	2.538733	2.591756
Winter	TOG_STREX	0.191961	0.478975	0.275174	0.547196	0.491923	0.272301	1.668267	3.578686	0.884318	0.95501	2.748265	3.095033	0.662523

Vehicle Miles Travelled

At Full Buildout	value	units	source
Peak Summer Day VMT at Full Buildout of VSVSP in Placer County and/or MCAB	172,168	VMT/day	Source 1 (summer calcs); See Note 1
Peak Winter Day VMT at Full Buildout of VSVSP in Placer County and/or MCAB	85,398	VMT/day	Source 1 (winter calcs); See Note 1
Peak Summer Day VMT at Full Buildout of VSVSP, total	259,080	VMT/day	Source 1 (summer calcs)
Peak Winter Day VMT at Full Buildout of VSVSP, total	174,038	VMT/day	Source 1 (winter calcs)
Peak Summer Day Trips at Full Buildout of VSVSP	8,410	trips/day	Source 1 (summer table in Word)
Peak Winter Day Trips at Full Buildout of VSVSP	2,821	trips/day	Source 2

Source

1 Fehr & Peers 2014. *Estimated Vehicle Miles Travelled for the Squaw Village Specific Plan—Calculation Spreadsheets* . E-mailed by John Gard of Fehr & Peers to Austin Kerr and Sean Bechta of Ascent Environmental on October 14 and November 3, 2014.

2 Table 9-18, Proposed Project Trip Generation - Peak Winder Conditions, in Chapter 9, Transportation and Circulation.

VMT by Month at Full Buildout of VSVSP in 2037

Month	Occupancy Rate	Days in Month	Applicable Season	VMT for month	Trips for month
January	59%	31	winter	3,183,155	51,596
February	72%	28	winter	3,508,606	56,871
March	70%	31	winter	3,776,625	61,216
April	51%	30	winter	2,662,781	43,161
May	37%	31	summer	2,971,648	96,463
June	42%	30	summer	3,264,408	105,966
July	85%	31	summer	6,826,758	221,604
August	68%	31	summer	5,461,406	177,283
September	46%	30	summer	3,575,304	116,058
October	43%	31	summer	3,453,536	112,105
November	26%	30	summer	2,020,824	65,598
December	63%	31	winter	3,398,962	55,094

Source: wksht: Occupancy Levels (Waste Supply Assessment, Table 11 on p. 11)

time conversion rate		VMT	Trips
	Total Annual	**44,104,014**	**1,163,015**
365	Winter	16,530,129	267,939
days/year	Summer	27,573,884	895,076
	Annual Average Daily	120,833	3,186

Notes

1 The analysis of criteria air pollutants and precursors accounts for the emissions from all VMT in Placer County plus any VMT outside of Placer County in Truckee or on Interstate 80 that is in the Mountain Counties Air Basin (MCAB), such as the segment of I-80 between Truckee and the CA/NV state line and the segment of I-80 west of Truckee that is in Nevada County.

2 It is assumed that VMT levels are stongly correlated with the occupancy rates projected in the Water Supply Assessment.

3 Daily VMT levels are typically higher per occupied unit in Summer than in Winter because summer users typically make more trips to off-site locations.

4 It is assumed that winter/ski season consists of December-April. The monthly occupancy rates are based on data from the 2010-2011 ski season.

5 Annual VMT estimates are conservative (i.e., high) because they are based on Peak Winter and Summer VMT values that include the intial arrival trips and ultimate departure trips to distant locatons. Arrival trips would only occur on the first day of a patron's stay and departure trips would only occur on the last day of a patron's stay.

Mobile-Source CAPs and Precursors in Placer County and/or MCAB, 2037 Full Buildout, Summer

VMT Levels	value	units	source
Peak Summer Day VMT at Full Buildout of VSVSP in Placer Coun	172,168	VMT/day	wksht: VMT
Peak Summer Day Trips at Full Buildout of VSVSP	8,410	trips/day	wksht: VMT

By Vehicle Class	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	Total	units	source
Fleet Mix, 2037, Summer	20.80%	19.98%	56.05%	1.38%	1.49%	0.06%	0.06%	0.06%	0.06%	0.06%	100.00%	%	wksht: Fleet Mix
Daily VMT by Vehicle Class	35,813	34,401	96,502	2,381	2,559	102	102	102	102	102	172,168	VMT/day	calculation
Daily Trips by Vehicle Class	1,749	1,680	4,714	116	125	5	5	5	5	5	8,410	trips/day	calculation

On-Road Emission Factors - Summer Season

	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	units
Running Exhaust											
NOX_RUNEX	0.057108	0.063087	0.065838	0.987588	5.578748	0.091832	0.434508	0.607797	0.847521	1.906849	g/mi
PM10_PMBW	0.03675	0.03675	0.03675	0.0963	0.673644	0.03675	0.050344	0.068058	0.11479	0.060724	g/mi
PM10_PMTW	0.008	0.008	0.008	0.010545	0.008	0.008	0.00937	0.010389	0.011335	0.035279	g/mi
PM10_RUNEX	0.002165	0.002147	0.002138	0.036701	0.112109	0.002072	0.007775	0.012133	0.032738	0.076341	g/mi
PM25_PMBW	0.01575	0.01575	0.01575	0.041271	0.288704	0.01575	0.021576	0.029168	0.049196	0.026025	g/mi
PM25_PMTW	0.002	0.002	0.002	0.002636	0.002	0.002	0.002343	0.002597	0.002834	0.00882	g/mi
PM25_RUNEX	0.002009	0.001992	0.001984	0.033766	0.103142	0.001922	0.007155	0.011164	0.030119	0.070234	g/mi
ROG_RUNEX	0.013236	0.01402	0.013725	0.104981	0.337615	0.019666	0.03636	0.047108	0.089771	0.19947	g/mi
ROG_RUNLS	0.15517	0.344209	0.318923	0.274782	0.351075	0.48271	0.252303	0.117667	0.322452	0.322427	g/mi
Starting Exhaust											
NOX_STREX	0.055871	0.072502	0.074621	0.769574	0.945118	0.127382	0.853833	0.491767	0.854312	3.251042	g/trip
PM10_STREX	0.005282	0.004997	0.00521	0.000281	0.000177	0.004854	0.000243	0.000116	0.000383	0.000356	g/trip
PM25_STREX	0.004901	0.004636	0.004834	0.00026	0.000164	0.004503	0.000225	0.000108	0.000355	0.000331	g/trip
ROG_STREX	0.053546	0.065326	0.060491	0.314696	0.489705	0.101474	0.150633	0.079372	0.411836	0.822831	g/trip

Source: wksht On-Road Emfacs

Max Daily Emissions by Vehicle Class

	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	Total	units
Running Exhaust												
NOX	2,045	2,170	6,354	2,351	14,276	9	44	62	87	195	27,594	g/day
PM10	1,680	1,613	4,525	342	2,031	5	7	9	16	18	10,246	g/day
PM2.5	708	679	1,904	185	1,008	2	3	4	8	11	4,513	g/day
ROG	6,031	12,323	32,101	904	1,762	51	30	17	42	53	53,316	g/day
Starting Exhaust												
NOX	98	122	352	89	118	1	4	2	4	16	807	g/day
PM10	9	8	25	0	0	0	0	0	0	0	42	g/day
PM2.5	9	8	23	0	0	0	0	0	0	0	39	g/day
ROG	94	110	285	37	61	1	1	0	2	4	594	g/day

	value	units	source
mass conversion rate	453.59237	g/lb	wksht: Conversion Rates

Max. Daily Emissions, 2037, Summer

NOX	PM10	PM2.5	ROG	units	source
63	23	10	119	lb/day	summation, conversion calculation

Mobile-Source CAPs and Precursors in Placer County and/or MCAB, 2037 Full Buildout, Winter

VMT Levels	value	units	source
Peak Winter Day VMT at Full Buildout of VSVSP in Placer County	85,398	VMT/day	wksht: VMT
Peak Winter Day Trips at Full Buildout of VSVSP	2,821	trips/day	wksht: VMT

By Vehicle Class	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	Total	units	source
Fleet Mix, 2037, Winter	20.68%	19.86%	55.72%	1.37%	1.48%	0.18%	0.18%	0.18%	0.18%	0.18%	100.00%	%	wksht: Fleet Mix
Daily VMT by Vehicle Class	17,659	16,963	47,584	1,174	1,262	151	151	151	151	151	85,398	VMT/day	calculation
Daily Trips by Vehicle Class	583	560	1,572	39	42	5	5	5	5	5	2,821	trips/day	calculation

On-Road Emission Factors - Winter Season

	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	units
Running Exhaust											
NOX_RUNEX	0.065025	0.072073	0.075158	1.043918	5.893389	0.105175	0.465564	0.64218	0.895787	2.01735	g/mi
PM10_PMBW	0.03675	0.03675	0.03675	0.0963	0.673644	0.03675	0.050344	0.068058	0.11479	0.060724	g/mi
PM10_PMTW	0.008	0.008	0.008	0.010545	0.008	0.008	0.00937	0.010389	0.011335	0.035279	g/mi
PM10_RUNEX	0.002165	0.002147	0.002138	0.036701	0.112109	0.002072	0.007775	0.012133	0.032738	0.076341	g/mi
PM25_PMBW	0.01575	0.01575	0.01575	0.041271	0.288704	0.01575	0.021576	0.029168	0.049196	0.026025	g/mi
PM25_PMTW	0.002	0.002	0.002	0.002636	0.002	0.002	0.002343	0.002597	0.002834	0.00882	g/mi
PM25_RUNEX	0.002009	0.001992	0.001984	0.033766	0.103142	0.001922	0.007155	0.011164	0.030119	0.070234	g/mi
ROG_RUNEX	0.011544	0.012263	0.012044	0.104694	0.333927	0.017067	0.035958	0.046949	0.089658	0.19928	g/mi
ROG_RUNLS	0.195335	0.43638	0.400607	0.304708	0.48579	0.597433	0.286359	0.133472	0.369615	0.367275	g/mi
Starting Exhaust											
NOX_STREX	0.063814	0.083036	0.085364	0.838959	1.036562	0.146025	0.925872	0.53119	0.929325	3.520321	g/trip
PM10_STREX	0.005282	0.004997	0.00521	0.000281	0.000177	0.004854	0.000243	0.000116	0.000383	0.000356	g/trip
PM25_STREX	0.004901	0.004636	0.004834	0.00026	0.000164	0.004503	0.000225	0.000108	0.000355	0.000331	g/trip
ROG_STREX	0.072066	0.089093	0.082244	0.404281	0.592022	0.138505	0.191341	0.099652	0.524276	1.035457	g/trip

Source: wksht On-Road Emfacs

Max Daily Emissions by Vehicle Class

	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	Total	units
Running Exhaust												
NOX	1,148	1,223	3,576	1,226	7,436	16	70	97	136	305	15,233	g/day
PM10	828	795	2,231	169	1,002	7	10	14	24	26	5,106	g/day
PM2.5	349	335	939	91	497	3	5	6	12	16	2,253	g/day
ROG	3,653	7,610	19,636	481	1,034	93	49	27	70	86	32,738	g/day
Starting Exhaust												
NOX	37	47	134	33	43	1	5	3	5	18	324	g/day
PM10	3	3	8	0	0	0	0	0	0	0	14	g/day
PM2.5	3	3	8	0	0	0	0	0	0	0	13	g/day
ROG	42	50	129	16	25	1	1	0	3	5	272	g/day

	value	units	source
mass conversion rate	453.59237	g/lb	wksht: Conversion Rates

Max. Daily Emissions, 2037, Winter

NOX	PM10	PM2.5	ROG	units	source
34	11	5	73	lb/day	summation, conversion calculation

On-Road Emission Factors by Vehicle Class, Year 2010 (building as usual for GHG comparison)

Statewide Fleet | Climate Zone 14 | Rural Setting

Source: Default emission factors for Statewide vehicle fleet from CalEEMod.2013.2.

Values in blue-shaded cells are from Table 4.4 of Appendix D to the CalEEMod User's Guide.

Annual	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Annual	FleetMix	0.491969	0.06265	0.17936	0.153374	0.047222	0.007136	0.013328	0.031714	0.001913	0.002358	0.00573	0.000716	0.002532
Annual	CH4_IDLEX	0	0	0	0	0.001232	0.000933	0.016086	0.034363	0.040537	0	0	0.024603	0
Annual	CH4_RUNEX	0.025094	0.046519	0.031233	0.039612	0.027993	0.020442	0.016049	0.028383	0.008284	0	0	0.028329	0
Annual	CH4_STREX	0.027848	0.049231	0.031499	0.040293	0.033165	0.025169	0	0	0	0	0	0	0
Annual	CO_IDLEX	0	0	0	0	0.181083	0.141783	2.825478	3.657183	3.877919	0	0	3.513055	0
Annual	CO_RUNEX	2.51065	5.924651	3.132564	3.53061	3.167405	2.695063	3.521979	3.502684	3.87338	6.612182	39.716938	13.044504	14.618563
Annual	CO_STREX	5.164243	10.036369	6.670724	7.930389	7.081256	4.704503	38.662437	143.62075	16.544179	12.821959	9.927836	54.715198	19.136597
Annual	CO2_NBIO_IDLEX	0	0	0	0	8.874937	9.739692	592.85332	578.99449	570.08745	0	0	561.33941	0
Annual	CO2_NBIO_RUNEX	348.3	399.84	476	599.04	701.67859	621.35697	1075.5085	1716.4721	1060.1212	2241.4182	132.50389	1147.3298	729.46904
Annual	CO2_NBIO_STREX	73.17	84.92	99.67	124.99	39.417434	27.120432	80.865171	120.30154	40.769279	29.283777	51.849743	140.54954	38.630133
Annual	NOX_IDLEX	0	0	0	0	0.065221	0.116204	8.735014	7.967658	8.441474	0	0	8.746842	0
Annual	NOX_RUNEX	0.242875	0.583413	0.433378	0.533933	2.513275	3.617165	7.390349	12.359581	7.073642	14.63967	1.353991	9.431199	2.855496
Annual	NOX_STREX	0.346244	0.530737	0.635588	0.752299	1.384343	0.863855	2.959713	5.372533	1.998902	1.319591	0.316838	3.190259	1.507938
Annual	PM10_IDLEX	0	0	0	0	0.000765	0.001332	0.108187	0.086085	0.137864	0	0	0.172315	0
Annual	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.050452	0.068725	0.114182	0.060622	0.084642	0.682561	0.036735	0.556259	0.051863
Annual	PM10_PMTW	0.008	0.008	0.008	0.008	0.009381	0.010439	0.011309	0.035191	0.010047	0.008	0.007998	0.010935	0.008646
Annual	PM10_RUNEX	0.003825	0.007464	0.003432	0.003073	0.021334	0.031716	0.255247	0.479645	0.238321	0.230707	0.001864	0.391524	0.043455
Annual	PM10_STREX	0.004771	0.008529	0.004339	0.004426	0.001958	0.00173	0.011166	0.021626	0.002409	0.001092	0.004851	0.013238	0.003231
Annual	PM25_IDLEX	0	0	0	0	0.000704	0.001225	0.099532	0.079198	0.126835	0	0	0.15853	0
Annual	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.021622	0.029453	0.048935	0.025981	0.036275	0.292526	0.015744	0.238397	0.022227
Annual	PM25_PMTW	0.002	0.002	0.002	0.002	0.002345	0.00261	0.002827	0.008798	0.002512	0.002	0.001999	0.002734	0.002161
Annual	PM25_RUNEX	0.003461	0.006709	0.003119	0.00281	0.01963	0.029136	0.234799	0.44127	0.219249	0.212209	0.001456	0.35995	0.039752
Annual	PM25_STREX	0.004301	0.007655	0.003945	0.004054	0.001784	0.001485	0.009	0.016647	0.002009	0.000943	0.003739	0.011172	0.002829
Annual	ROG_DIURN	0.114561	0.229327	0.10232	0.085721	0.003138	0.00227	0.007373	0.010582	0.001198	0.004658	0.506433	0.0439	0.142941
Annual	ROG_HTSK	0.228234	0.412605	0.201918	0.165292	0.078321	0.06462	0.380979	0.749372	0.034258	0.106427	0.7075	0.405874	0.14538
Annual	ROG_IDLEX	0	0	0	0	0.028666	0.021459	0.34633	0.739815	0.872745	0	0	0.529688	0
Annual	ROG_RESTL	0.076398	0.147812	0.069264	0.061994	0.001455	0.001085	0.003563	0.005201	0.000468	0.002361	0.296158	0.015115	0.050369
Annual	ROG_RUNEX	0.095042	0.23885	0.101593	0.114975	0.264885	0.243871	0.462071	0.634722	0.460184	0.91383	3.238965	1.251197	0.492756
Annual	ROG_RUNLS	0.637787	1.613038	0.793512	0.611211	0.494362	0.342135	1.604864	3.705944	0.339416	0.592846	3.145939	3.300084	2.728076
Annual	ROG_STREX	0.47891	0.841355	0.549003	0.706991	0.581713	0.422477	3.266521	8.689113	1.112995	0.916172	2.531009	4.096042	1.107479
Annual	SO2_IDLEX	0	0	0	0	0.00009	0.000097	0.005656	0.005524	0.005439	0	0	0.005355	0
Annual	SO2_RUNEX	0.003519	0.004092	0.004804	0.006039	0.006975	0.006099	0.010351	0.016391	0.010299	0.021539	0.002051	0.01123	0.007443
Annual	SO2_STREX	0.000827	0.001032	0.001117	0.001395	0.000523	0.000358	0.001518	0.003732	0.000702	0.000523	0.000754	0.002392	0.000721
Annual	TOG_DIURN	0.114561	0.229327	0.10232	0.085721	0.003138	0.00227	0.007373	0.010582	0.001198	0.004658	0.506433	0.0439	0.142941
Annual	TOG_HTSK	0.228234	0.412605	0.201918	0.165292	0.078321	0.06462	0.380979	0.749372	0.034258	0.106427	0.7075	0.405874	0.14538
Annual	TOG_IDLEX	0	0	0	0	0.030533	0.023087	0.39427	0.842223	0.993553	0	0	0.60301	0
Annual	TOG_RESTL	0.076398	0.147812	0.069264	0.061994	0.001455	0.001085	0.003563	0.005201	0.000468	0.002361	0.296158	0.015115	0.050369
Annual	TOG_RUNEX	0.121632	0.288993	0.134403	0.15635	0.303028	0.277551	0.526003	0.721632	0.531836	1.016927	3.52173	1.389789	0.559929
Annual	TOG_RUNLS	0.637787	1.613038	0.793512	0.611211	0.494362	0.342135	1.604864	3.705944	0.339416	0.592846	3.145939	3.300084	2.728076
Annual	TOG_STREX	0.512167	0.900085	0.586709	0.75528	0.621457	0.452409	3.510648	9.360299	1.192026	0.979655	2.728319	4.390789	1.1852
Summer	FleetMix	0.491969	0.06265	0.17936	0.153374	0.047222	0.007136	0.013328	0.031714	0.001913	0.002358	0.00573	0.000716	0.002532
Summer	CH4_IDLEX	0	0	0	0	0.001232	0.000933	0.01516	0.032384	0.038202	0	0	0.023186	0

On-Road Emission Factors by Vehicle Class, Year 2010 (building as usual for GHG comparison)

Statewide Fleet | Climate Zone 14 | Rural Setting

Source: Default emission factors for Statewide vehicle fleet from CalEEMod.2013.2.

Values in blue-shaded cells are from Table 4.4 of Appendix D to the CalEEMod User's Guide.

Annual	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Summer	CH4_RUNEX	0.025094	0.046519	0.031233	0.039612	0.027993	0.020442	0.016049	0.028383	0.008284	0	0	0.028329	0
Summer	CH4_STREX	0.027848	0.049231	0.031499	0.040293	0.033165	0.025169	0	0	0	0	0	0	0
Summer	CO_IDLEX	0	0	0	0	0.181083	0.141783	2.053109	2.65746	2.817856	0	0	2.552731	0
Summer	CO_RUNEX	2.794949	6.434593	3.503329	3.975233	3.239325	2.705175	3.534011	3.498755	3.931082	6.639238	38.206081	12.879059	14.616685
Summer	CO_STREX	3.937349	7.671156	5.02287	5.969607	5.2415	3.67488	31.184767	129.26978	12.767275	10.236752	8.805082	44.945683	12.908934
Summer	CO2_NBIO_IDLEX	0	0	0	0	8.874937	9.739692	628.0757	613.39349	603.95727	0	0	594.68949	0
Summer	CO2_NBIO_RUNEX	369.64517	422.31654	503.89146	637.10841	701.67861	621.35698	1075.5085	1716.4721	1060.1212	2241.4182	132.50389	1147.3298	729.46903
Summer	CO2_NBIO_STREX	72.95706	84.709283	99.321028	124.76364	39.417435	27.120432	80.86517	120.30154	40.76928	29.283777	51.849743	140.54954	38.630134
Summer	NOX_IDLEX	0	0	0	0	0.065221	0.116204	9.016	8.22396	8.713018	0	0	9.028209	0
Summer	NOX_RUNEX	0.216711	0.515052	0.385424	0.476367	2.355965	3.421777	6.992197	11.746108	6.667385	13.883536	1.170917	8.900579	2.592745
Summer	NOX_STREX	0.316617	0.485215	0.580863	0.687983	1.31296	0.821292	2.802368	5.053092	1.892513	1.244105	0.29154	2.960137	1.413438
Summer	PM10_IDLEX	0	0	0	0	0.000765	0.001332	0.091202	0.07257	0.11622	0	0	0.145262	0
Summer	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.050452	0.068725	0.114182	0.060622	0.084642	0.682561	0.036735	0.556259	0.051863
Summer	PM10_PMTW	0.008	0.008	0.008	0.008	0.009381	0.010439	0.011309	0.035191	0.010047	0.008	0.007998	0.010935	0.008646
Summer	PM10_RUNEX	0.003825	0.007464	0.003432	0.003073	0.021334	0.031716	0.255247	0.479645	0.238321	0.230707	0.001864	0.391524	0.043455
Summer	PM10_STREX	0.004771	0.008529	0.004339	0.004426	0.001958	0.00173	0.011166	0.021626	0.002409	0.001092	0.004851	0.013238	0.003231
Summer	PM25_IDLEX	0	0	0	0	0.000704	0.001225	0.083906	0.066764	0.106922	0	0	0.133641	0
Summer	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.021622	0.029453	0.048935	0.025981	0.036275	0.292526	0.015744	0.238397	0.022227
Summer	PM25_PMTW	0.002	0.002	0.002	0.002	0.002345	0.00261	0.002827	0.008798	0.002512	0.002	0.001999	0.002734	0.002161
Summer	PM25_RUNEX	0.003461	0.006709	0.003119	0.00281	0.01963	0.029136	0.234799	0.44127	0.219249	0.212209	0.001456	0.35995	0.039752
Summer	PM25_STREX	0.004301	0.007655	0.003945	0.004054	0.001784	0.001485	0.009	0.016647	0.002009	0.000943	0.003739	0.011172	0.002829
Summer	ROG_DIURN	0.237794	0.489177	0.217587	0.182966	0.006601	0.004652	0.016199	0.023992	0.002443	0.008862	1.140225	0.094693	0.290173
Summer	ROG_HTSK	0.268602	0.488918	0.241363	0.19904	0.092841	0.074186	0.423166	0.818205	0.037826	0.116078	0.876897	0.427026	0.158391
Summer	ROG_IDLEX	0	0	0	0	0.028666	0.021459	0.326383	0.697206	0.82248	0	0	0.499182	0
Summer	ROG_RESTL	0.160369	0.319077	0.148935	0.132229	0.003148	0.002273	0.007881	0.011838	0.000971	0.004633	0.736936	0.032544	0.104714
Summer	ROG_RUNEX	0.097366	0.241375	0.105856	0.122798	0.271257	0.244594	0.462635	0.634518	0.463447	0.92452	3.049957	1.245813	0.483805
Summer	ROG_RUNLS	0.607989	1.516636	0.743212	0.576618	0.48396	0.334876	1.579549	3.659216	0.332988	0.55672	2.981003	2.977875	2.656212
Summer	ROG_STREX	0.390416	0.681387	0.445958	0.573495	0.486499	0.35059	2.602034	6.721965	0.919953	0.786716	2.051922	3.443305	0.82164
Summer	SO2_IDLEX	0	0	0	0	0.00009	0.000097	0.005992	0.005852	0.005762	0	0	0.005674	0
Summer	SO2_RUNEX	0.003753	0.004342	0.005114	0.006444	0.006976	0.0061	0.010352	0.016391	0.0103	0.02154	0.002021	0.011227	0.007443
Summer	SO2_STREX	0.000805	0.00099	0.001088	0.00136	0.000491	0.00034	0.001379	0.003444	0.000637	0.000478	0.000721	0.002218	0.000614
Summer	TOG_DIURN	0.237794	0.489177	0.217587	0.182966	0.006601	0.004652	0.016199	0.023992	0.002443	0.008862	1.140225	0.094693	0.290173
Summer	TOG_HTSK	0.268602	0.488918	0.241363	0.19904	0.092841	0.074186	0.423166	0.818205	0.037826	0.116078	0.876897	0.427026	0.158391
Summer	TOG_IDLEX	0	0	0	0	0.030533	0.023087	0.371563	0.793716	0.936331	0	0	0.56828	0
Summer	TOG_RESTL	0.160369	0.319077	0.148935	0.132229	0.003148	0.002273	0.007881	0.011838	0.000971	0.004633	0.736936	0.032544	0.104714
Summer	TOG_RUNEX	0.12544	0.29328	0.140622	0.166359	0.309965	0.278434	0.526649	0.721423	0.535427	1.028249	3.32271	1.384189	0.550874
Summer	TOG_RUNLS	0.607989	1.516636	0.743212	0.576618	0.48396	0.334876	1.579549	3.659216	0.332988	0.55672	2.981003	2.977875	2.656212
Summer	TOG_STREX	0.417539	0.728963	0.476593	0.612671	0.519719	0.375365	2.796082	7.241429	0.9851	0.841174	2.211969	3.690209	0.879332
Winter	FleetMix	0.491969	0.06265	0.17936	0.153374	0.047222	0.007136	0.013328	0.031714	0.001913	0.002358	0.00573	0.000716	0.002532
Winter	CH4_IDLEX	0	0	0	0	0.001232	0.000933	0.017366	0.037096	0.043761	0	0	0.02656	0
Winter	CH4_RUNEX	0.025094	0.046519	0.031233	0.039612	0.027993	0.020442	0.016049	0.028383	0.008284	0	0	0.028329	0
Winter	CH4_STREX	0.027848	0.049231	0.031499	0.040293	0.033165	0.025169	0	0	0	0	0	0	0

On-Road Emission Factors by Vehicle Class, Year 2010 (building as usual for GHG comparison)

Statewide Fleet | Climate Zone 14 | Rural Setting

Source: Default emission factors for Statewide vehicle fleet from CalEEMod.2013.2.

Values in blue-shaded cells are from Table 4.4 of Appendix D to the CalEEMod User's Guide.

Annual	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Winter	CO_IDLEX	0	0	0	0	0.181083	0.141783	3.892084	5.037754	5.341816	0	0	4.839218	0
Winter	CO_RUNEX	2.477946	5.908197	3.074467	3.460067	3.136738	2.736302	3.567543	3.522318	3.85052	6.646329	41.900745	13.43149	14.884681
Winter	CO_STREX	5.883728	11.446764	7.657833	9.154555	8.284408	5.341392	44.336958	156.78251	19.123057	14.561443	11.064476	63.341904	25.255444
Winter	CO2_NBIO_IDLEX	0	0	0	0	8.874937	9.739692	544.2129	531.49111	523.31484	0	0	515.28453	0
Winter	CO2_NBIO_RUNEX	340.63293	391.8466	465.51159	586.39267	701.67861	621.35698	1075.5085	1716.4721	1060.1212	2241.4182	132.50389	1147.3298	729.46903
Winter	CO2_NBIO_STREX	72.95706	84.709283	99.321028	124.76364	39.417435	27.120432	80.86517	120.30154	40.76928	29.283777	51.849743	140.54954	38.630134
Winter	NOX_IDLEX	0	0	0	0	0.065221	0.116204	8.346985	7.613716	8.066484	0	0	8.358288	0
Winter	NOX_RUNEX	0.250078	0.603134	0.447751	0.55385	2.529873	3.622408	7.409135	12.421605	7.098411	14.636655	1.400807	9.484157	2.895942
Winter	NOX_STREX	0.363135	0.556925	0.667367	0.791546	1.427425	0.888236	3.058699	5.580935	2.064702	1.365329	0.334695	3.353451	1.587255
Winter	PM10_IDLEX	0	0	0	0	0.000765	0.001332	0.131642	0.104748	0.167753	0	0	0.209674	0
Winter	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.050452	0.068725	0.114182	0.060622	0.084642	0.682561	0.036735	0.556259	0.051863
Winter	PM10_PMTW	0.008	0.008	0.008	0.008	0.009381	0.010439	0.011309	0.035191	0.010047	0.008	0.007998	0.010935	0.008646
Winter	PM10_RUNEX	0.003825	0.007464	0.003432	0.003073	0.021334	0.031716	0.255247	0.479645	0.238321	0.230707	0.001864	0.391524	0.043455
Winter	PM10_STREX	0.004771	0.008529	0.004339	0.004426	0.001958	0.00173	0.011166	0.021626	0.002409	0.001092	0.004851	0.013238	0.003231
Winter	PM25_IDLEX	0	0	0	0	0.000704	0.001225	0.121111	0.096369	0.154333	0	0	0.1929	0
Winter	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.021622	0.029453	0.048935	0.025981	0.036275	0.292526	0.015744	0.238397	0.022227
Winter	PM25_PMTW	0.002	0.002	0.002	0.002	0.002345	0.00261	0.002827	0.008798	0.002512	0.002	0.001999	0.002734	0.002161
Winter	PM25_RUNEX	0.003461	0.006709	0.003119	0.00281	0.01963	0.029136	0.234799	0.44127	0.219249	0.212209	0.001456	0.35995	0.039752
Winter	PM25_STREX	0.004301	0.007655	0.003945	0.004054	0.001784	0.001485	0.009	0.016647	0.002009	0.000943	0.003739	0.011172	0.002829
Winter	ROG_DIURN	0.083529	0.163805	0.070976	0.057982	0.002325	0.001759	0.004985	0.007069	0.000945	0.00397	0.348497	0.029642	0.117519
Winter	ROG_HTSK	0.267303	0.488808	0.232643	0.184865	0.094519	0.079921	0.482975	0.971193	0.041816	0.134951	0.904564	0.50453	0.191997
Winter	ROG_IDLEX	0	0	0	0	0.028666	0.021459	0.373875	0.798655	0.942158	0	0	0.571817	0
Winter	ROG_RESTL	0.053012	0.100793	0.046342	0.041202	0.001083	0.000833	0.002475	0.003606	0.000375	0.002006	0.183869	0.011132	0.042282
Winter	ROG_RUNEX	0.096105	0.243599	0.101845	0.11403	0.261156	0.244574	0.462677	0.635062	0.458243	0.909906	3.381712	1.260253	0.502358
Winter	ROG_RUNLS	0.730052	1.929265	0.953048	0.730267	0.541653	0.373708	1.731505	3.966627	0.363894	0.697233	3.628626	3.974939	2.926041
Winter	ROG_STREX	0.533164	0.942067	0.613848	0.793212	0.642116	0.46897	3.791761	10.273423	1.240585	1.002573	2.937466	4.623744	1.379437
Winter	SO2_IDLEX	0	0	0	0	0.00009	0.000097	0.005192	0.005071	0.004993	0	0	0.004916	0
Winter	SO2_RUNEX	0.003457	0.004028	0.004722	0.005928	0.006974	0.0061	0.010352	0.016391	0.010299	0.02154	0.002089	0.011236	0.007447
Winter	SO2_STREX	0.00084	0.001057	0.001134	0.001416	0.000544	0.000369	0.001624	0.003989	0.000746	0.000553	0.000785	0.002544	0.000826
Winter	TOG_DIURN	0.083529	0.163805	0.070976	0.057982	0.002325	0.001759	0.004985	0.007069	0.000945	0.00397	0.348497	0.029642	0.117519
Winter	TOG_HTSK	0.267303	0.488808	0.232643	0.184865	0.094519	0.079921	0.482975	0.971193	0.041816	0.134951	0.904564	0.50453	0.191997
Winter	TOG_IDLEX	0	0	0	0	0.030533	0.023087	0.425628	0.909208	1.072575	0	0	0.65097	0
Winter	TOG_RESTL	0.053012	0.100793	0.046342	0.041202	0.001083	0.000833	0.002475	0.003606	0.000375	0.002006	0.183869	0.011132	0.042282
Winter	TOG_RUNEX	0.122324	0.293469	0.134122	0.15477	0.298954	0.278214	0.52661	0.721986	0.529699	1.012758	3.672019	1.39928	0.569825
Winter	TOG_RUNLS	0.730052	1.929265	0.953048	0.730267	0.541653	0.373708	1.731505	3.966627	0.363894	0.697233	3.628626	3.974939	2.926041
Winter	TOG_STREX	0.570192	1.007856	0.656015	0.847391	0.686006	0.502281	4.075812	11.067432	1.328809	1.072113	3.166454	4.957098	1.476216

On-Road Emission Factors by Vehicle Class, Year 2020 (GHG comparison year)

Statewide Fleet Climate Zone 14 Rural Setting

Source: Default emission factors for Statewide vehicle fleet from CalEEMod.2013.2.

Annual	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Annual	FleetMix	0.489282	0.062818	0.178967	0.144266	0.045722	0.006749	0.015961	0.042855	0.001887	0.002197	0.006045	0.000669	0.002583
Annual	CH4_IDLEX	0	0	0	0	0.001181	0.000899	0.007747	0.026365	0.021652	0	0	0.004453	0
Annual	CH4_RUNEX	0.009996	0.019517	0.013405	0.022711	0.014817	0.009437	0.004573	0.009916	0.002773	0	0	0.005439	0
Annual	CH4_STREX	0.006319	0.016757	0.009047	0.020422	0.019944	0.010434	0	0	0	0	0	0	0
Annual	CO_IDLEX	0	0	0	0	0.172741	0.136169	1.904885	3.184358	2.741291	0	0	1.049356	0
Annual	CO_RUNEX	0.796772	1.932717	1.088576	1.853827	1.318561	0.842067	0.735644	1.445994	1.210734	4.511923	24.477606	3.92219	1.880421
Annual	CO_STREX	1.616982	4.109523	2.342215	4.420382	4.083897	2.061164	16.337588	64.515436	10.465469	10.478718	10.726757	31.964681	6.938948
Annual	CO2_NBIO_IDLEX	0	0	0	0	7.986756	8.772172	570.69825	528.10076	534.88189	0	0	546.99522	0
Annual	CO2_NBIO_RUNEX	240.35146	292.37944	357.53531	475.11748	626.55497	559.11484	954.72079	1527.6712	1017.2666	1918.7544	146.5119	1027.5223	649.99066
Annual	CO2_NBIO_STREX	52.388775	63.352584	77.216792	102.50258	36.568274	23.381324	49.788718	50.310846	32.783779	25.609895	38.427507	115.67896	31.801072
Annual	NOX_IDLEX	0	0	0	0	0.06503	0.116534	4.797978	3.919626	4.645507	0	0	7.575788	0
Annual	NOX_RUNEX	0.081395	0.209728	0.1306	0.253508	1.252228	1.780737	1.832035	3.622653	2.292815	10.88518	1.22133	7.023576	1.399462
Annual	NOX_STREX	0.096627	0.228465	0.196829	0.403152	1.184083	0.712631	1.659359	3.935603	1.419953	1.251975	0.312828	2.379023	0.795437
Annual	PM10_IDLEX	0	0	0	0	0.000694	0.001246	0.014083	0.010619	0.009547	0	0	0.013447	0
Annual	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.050289	0.067904	0.113868	0.060625	0.093719	0.679985	0.03675	0.551989	0.050706
Annual	PM10_PMTW	0.008	0.008	0.008	0.008	0.009364	0.010377	0.011296	0.035184	0.010435	0.008	0.008	0.010911	0.008596
Annual	PM10_RUNEX	0.001836	0.003267	0.001841	0.002125	0.012951	0.019761	0.04591	0.082184	0.038066	0.179261	0.000349	0.044737	0.024901
Annual	PM10_STREX	0.003455	0.004741	0.00346	0.003699	0.000859	0.000391	0.001562	0.001352	0.000614	0.000545	0.000983	0.004047	0.0006
Annual	PM25_IDLEX	0	0	0	0	0.000638	0.001146	0.012956	0.00977	0.008783	0	0	0.012371	0
Annual	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.021552	0.029102	0.048801	0.025982	0.040165	0.291422	0.01575	0.236567	0.021731
Annual	PM25_PMTW	0.002	0.002	0.002	0.002	0.002341	0.002594	0.002824	0.008796	0.002609	0.002	0.002	0.002728	0.002149
Annual	PM25_RUNEX	0.001702	0.003029	0.001707	0.001965	0.011921	0.018183	0.042237	0.075609	0.035022	0.16492	0.000292	0.041159	0.022913
Annual	PM25_STREX	0.003205	0.004396	0.003209	0.003424	0.000795	0.000362	0.001422	0.001197	0.000567	0.000503	0.000817	0.003718	0.000555
Annual	ROG_DIURN	0.038384	0.133432	0.058773	0.089351	0.002372	0.001175	0.002418	0.001778	0.000918	0.004241	0.429007	0.026139	0.068504
Annual	ROG_HTSK	0.094612	0.256693	0.134908	0.208511	0.069328	0.036752	0.08868	0.079104	0.027189	0.081948	0.390453	0.206707	0.068055
Annual	ROG_IDLEX	0	0	0	0	0.027312	0.020544	0.16678	0.567621	0.466153	0	0	0.095879	0
Annual	ROG_RESTL	0.033723	0.102584	0.054672	0.082549	0.001328	0.000708	0.001379	0.001114	0.000455	0.002183	0.237178	0.009676	0.026025
Annual	ROG_RUNEX	0.01728	0.045844	0.02211	0.048839	0.120384	0.103093	0.117783	0.220305	0.136229	0.720813	2.631935	0.388536	0.084681
Annual	ROG_RUNLS	0.225596	0.893082	0.432418	0.643944	0.445716	0.212077	0.459711	0.431234	0.316601	0.648644	1.284571	1.955878	1.743032
Annual	ROG_STREX	0.112003	0.297118	0.160415	0.360976	0.353375	0.184898	0.949569	1.901909	0.622936	0.764615	2.193062	1.996299	0.378386
Annual	SO2_IDLEX	0	0	0	0	0.00009	0.000097	0.00605	0.005598	0.00567	0	0	0.005798	0
Annual	SO2_RUNEX	0.003501	0.004056	0.004758	0.006061	0.00689	0.006072	0.010177	0.016203	0.01091	0.020469	0.002095	0.011046	0.007164
Annual	SO2_STREX	0.000764	0.00092	0.001045	0.001352	0.000481	0.000298	0.000839	0.00163	0.000548	0.000473	0.000664	0.001848	0.000474
Annual	TOG_DIURN	0.038384	0.133432	0.058773	0.089351	0.002372	0.001175	0.002418	0.001778	0.000918	0.004241	0.429007	0.026139	0.068504
Annual	TOG_HTSK	0.094612	0.256693	0.134908	0.208511	0.069328	0.036752	0.08868	0.079104	0.027189	0.081948	0.390453	0.206707	0.068055
Annual	TOG_IDLEX	0	0	0	0	0.029108	0.022126	0.189866	0.646193	0.530679	0	0	0.109151	0
Annual	TOG_RESTL	0.033723	0.102584	0.054672	0.082549	0.001328	0.000708	0.001379	0.001114	0.000455	0.002183	0.237178	0.009676	0.026025
Annual	TOG_RUNEX	0.027573	0.066085	0.035887	0.072312	0.14118	0.120568	0.135326	0.25132	0.158657	0.801365	2.881955	0.430984	0.106613
Annual	TOG_RUNLS	0.225596	0.893082	0.432418	0.643944	0.445716	0.212077	0.459711	0.431234	0.316601	0.648644	1.284571	1.955878	1.743032
Annual	TOG_STREX	0.11959	0.317237	0.171277	0.385483	0.377317	0.197425	1.014275	2.032031	0.665148	0.816434	2.35485	2.131973	0.404018
Summer	FleetMix	0.489282	0.062818	0.178967	0.144266	0.045722	0.006749	0.015961	0.042855	0.001887	0.002197	0.006045	0.000669	0.002583
Summer	CH4_IDLEX	0	0	0	0	0.001181	0.000899	0.0073	0.024846	0.020405	0	0	0.004197	0

On-Road Emission Factors by Vehicle Class, Year 2020 (GHG comparison year)

Statewide Fleet Climate Zone 14 Rural Setting

Source: Default emission factors for Statewide vehicle fleet from CalEEMod.2013.2.

Annual	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Summer	CH4_RUNEX	0.009996	0.019517	0.013405	0.022711	0.014817	0.009437	0.004573	0.009916	0.002773	0	0	0.005439	0
Summer	CH4_STREX	0.006319	0.016757	0.009047	0.020422	0.019944	0.010434	0	0	0	0	0	0	0
Summer	CO_IDLEX	0	0	0	0	0.172741	0.136169	1.384168	2.313885	1.991935	0	0	0.762506	0
Summer	CO_RUNEX	0.920628	2.19106	1.25108	2.12508	1.348364	0.850668	0.745628	1.45618	1.233746	4.600947	23.767543	4.038767	1.941726
Summer	CO_STREX	1.20945	3.070952	1.743551	3.308219	3.036787	1.568425	12.121009	47.598175	7.814624	8.309308	8.878109	25.615408	4.94879
Summer	CO2_NBIO_IDLEX	0	0	0	0	7.986756	8.772172	604.60436	559.47608	566.66009	0	0	579.4931	0
Summer	CO2_NBIO_RUNEX	256.5358	311.34272	381.11374	507.27029	626.55498	559.11485	954.72078	1527.6712	1017.2666	1918.7544	146.5119	1027.5223	649.99066
Summer	CO2_NBIO_STREX	52.388776	63.352585	77.216793	102.50258	36.568274	23.381324	49.788718	50.310846	32.783779	25.609895	38.427506	115.67896	31.801073
Summer	NOX_IDLEX	0	0	0	0	0.06503	0.116534	4.952319	4.045711	4.794942	0	0	7.819484	0
Summer	NOX_RUNEX	0.072988	0.186214	0.116616	0.226709	1.174973	1.68706	1.733393	3.439509	2.1602	10.316163	1.061844	6.638849	1.294294
Summer	NOX_STREX	0.088486	0.208901	0.180007	0.368827	1.124039	0.678025	1.573546	3.728586	1.344691	1.180735	0.290045	2.209808	0.746204
Summer	PM10_IDLEX	0	0	0	0	0.000694	0.001246	0.011872	0.008952	0.008048	0	0	0.011336	0
Summer	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.050289	0.067904	0.113868	0.060625	0.093719	0.679985	0.03675	0.551989	0.050706
Summer	PM10_PMTW	0.008	0.008	0.008	0.008	0.009364	0.010377	0.011296	0.035184	0.010435	0.008	0.008	0.010911	0.008596
Summer	PM10_RUNEX	0.001836	0.003267	0.001841	0.002125	0.012951	0.019761	0.04591	0.082184	0.038066	0.179261	0.000349	0.044737	0.024901
Summer	PM10_STREX	0.003455	0.004741	0.00346	0.003699	0.000859	0.000391	0.001562	0.001352	0.000614	0.000545	0.000983	0.004047	0.0006
Summer	PM25_IDLEX	0	0	0	0	0.000638	0.001146	0.010922	0.008236	0.007404	0	0	0.010429	0
Summer	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.021552	0.029102	0.048801	0.025982	0.040165	0.291422	0.01575	0.236567	0.021731
Summer	PM25_PMTW	0.002	0.002	0.002	0.002	0.002341	0.002594	0.002824	0.008796	0.002609	0.002	0.002	0.002728	0.002149
Summer	PM25_RUNEX	0.001702	0.003029	0.001707	0.001965	0.011921	0.018183	0.042237	0.075609	0.035022	0.16492	0.000292	0.041159	0.022913
Summer	PM25_STREX	0.003205	0.004396	0.003209	0.003424	0.000795	0.000362	0.001422	0.001197	0.000567	0.000503	0.000817	0.003718	0.000555
Summer	ROG_DIURN	0.075142	0.268067	0.116788	0.17992	0.004763	0.00225	0.004847	0.003761	0.001732	0.007853	0.958757	0.053628	0.134062
Summer	ROG_HTSK	0.103401	0.291493	0.148848	0.230231	0.078	0.040802	0.098557	0.087878	0.028896	0.091579	0.558456	0.217462	0.07549
Summer	ROG_IDLEX	0	0	0	0	0.027312	0.020544	0.157174	0.534929	0.439305	0	0	0.090357	0
Summer	ROG_RESTL	0.060758	0.192237	0.099181	0.1511	0.002528	0.001281	0.002648	0.002283	0.000814	0.003992	0.601202	0.018735	0.049753
Summer	ROG_RUNEX	0.019004	0.050317	0.02433	0.053395	0.122881	0.103695	0.118442	0.220522	0.137592	0.735194	2.555233	0.401516	0.08699
Summer	ROG_RUNLS	0.214643	0.837199	0.406694	0.609556	0.435563	0.206823	0.450101	0.428762	0.309746	0.604494	1.187682	1.754077	1.694377
Summer	ROG_STREX	0.091256	0.2413	0.13027	0.293468	0.299441	0.158821	0.791026	1.527289	0.52772	0.664362	1.820967	1.730804	0.311829
Summer	SO2_IDLEX	0	0	0	0	0.00009	0.000097	0.006409	0.005931	0.006007	0	0	0.006143	0
Summer	SO2_RUNEX	0.00374	0.004326	0.005075	0.006477	0.00689	0.006072	0.010177	0.016204	0.01091	0.020471	0.002081	0.011048	0.007165
Summer	SO2_STREX	0.000757	0.000901	0.001035	0.001332	0.000463	0.000289	0.000767	0.001353	0.000503	0.000435	0.000624	0.00174	0.00044
Summer	TOG_DIURN	0.075142	0.268067	0.116788	0.17992	0.004763	0.00225	0.004847	0.003761	0.001732	0.007853	0.958757	0.053628	0.134062
Summer	TOG_HTSK	0.103401	0.291493	0.148848	0.230231	0.078	0.040802	0.098557	0.087878	0.028896	0.091579	0.558456	0.217462	0.07549
Summer	TOG_IDLEX	0	0	0	0	0.029108	0.022126	0.178931	0.608976	0.500116	0	0	0.102864	0
Summer	TOG_RESTL	0.060758	0.192237	0.099181	0.1511	0.002528	0.001281	0.002648	0.002283	0.000814	0.003992	0.601202	0.018735	0.049753
Summer	TOG_RUNEX	0.030222	0.071914	0.039303	0.078494	0.143993	0.121304	0.13606	0.251556	0.160187	0.816576	2.801253	0.444723	0.109302
Summer	TOG_RUNLS	0.214643	0.837199	0.406694	0.609556	0.435563	0.206823	0.450101	0.428762	0.309746	0.604494	1.187682	1.754077	1.694377
Summer	TOG_STREX	0.097437	0.25764	0.139091	0.313393	0.319728	0.16958	0.844904	1.631714	0.563476	0.70939	1.955098	1.848387	0.332951
Winter	FleetMix	0.489282	0.062818	0.178967	0.144266	0.045722	0.006749	0.015961	0.042855	0.001887	0.002197	0.006045	0.000669	0.002583
Winter	CH4_IDLEX	0	0	0	0	0.001181	0.000899	0.008363	0.028462	0.023374	0	0	0.004808	0
Winter	CH4_RUNEX	0.009996	0.019517	0.013405	0.022711	0.014817	0.009437	0.004573	0.009916	0.002773	0	0	0.005439	0
Winter	CH4_STREX	0.006319	0.016757	0.009047	0.020422	0.019944	0.010434	0	0	0	0	0	0	0

On-Road Emission Factors by Vehicle Class, Year 2020 (GHG comparison year)

Statewide Fleet Climate Zone 14 Rural Setting

Source: Default emission factors for Statewide vehicle fleet from CalEEMod.2013.2.

Annual	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Winter	CO_IDLEX	0	0	0	0	0.172741	0.136169	2.62397	4.386438	3.776115	0	0	1.445484	0
Winter	CO_RUNEX	0.766159	1.873817	1.05009	1.794629	1.301408	0.837314	0.73047	1.440112	1.196702	4.473962	25.58188	3.854489	1.850606
Winter	CO_STREX	1.853328	4.717356	2.693285	5.105195	4.757624	2.36282	19.293707	76.250952	12.257991	11.890278	12.318691	37.358949	8.786857
Winter	CO2_NBIO_IDLEX	0	0	0	0	7.986756	8.772172	523.87553	484.77293	490.99771	0	0	502.11721	0
Winter	CO2_NBIO_RUNEX	235.97098	287.20829	351.09749	466.00039	626.55498	559.11485	954.72078	1527.6712	1017.2666	1918.7544	146.5119	1027.5223	649.99066
Winter	CO2_NBIO_STREX	52.388776	63.352585	77.216793	102.50258	36.568274	23.381324	49.788718	50.310846	32.783779	25.609895	38.427506	115.67896	31.801073
Winter	NOX_IDLEX	0	0	0	0	0.06503	0.116534	4.584841	3.745507	4.439143	0	0	7.239254	0
Winter	NOX_RUNEX	0.083645	0.216366	0.134582	0.26264	1.259682	1.782423	1.837879	3.634414	2.301211	10.882315	1.25951	7.057261	1.410944
Winter	NOX_STREX	0.101273	0.23967	0.206519	0.42401	1.220068	0.732574	1.712626	4.063882	1.466854	1.294898	0.328911	2.497399	0.836587
Winter	PM10_IDLEX	0	0	0	0	0.000694	0.001246	0.017136	0.012922	0.011617	0	0	0.016362	0
Winter	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.050289	0.067904	0.113868	0.060625	0.093719	0.679985	0.03675	0.551989	0.050706
Winter	PM10_PMTW	0.008	0.008	0.008	0.008	0.009364	0.010377	0.011296	0.035184	0.010435	0.008	0.008	0.010911	0.008596
Winter	PM10_RUNEX	0.001836	0.003267	0.001841	0.002125	0.012951	0.019761	0.04591	0.082184	0.038066	0.179261	0.000349	0.044737	0.024901
Winter	PM10_STREX	0.003455	0.004741	0.00346	0.003699	0.000859	0.000391	0.001562	0.001352	0.000614	0.000545	0.000983	0.004047	0.0006
Winter	PM25_IDLEX	0	0	0	0	0.000638	0.001146	0.015765	0.011888	0.010687	0	0	0.015053	0
Winter	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.021552	0.029102	0.048801	0.025982	0.040165	0.291422	0.01575	0.236567	0.021731
Winter	PM25_PMTW	0.002	0.002	0.002	0.002	0.002341	0.002594	0.002824	0.008796	0.002609	0.002	0.002	0.002728	0.002149
Winter	PM25_RUNEX	0.001702	0.003029	0.001707	0.001965	0.011921	0.018183	0.042237	0.075609	0.035022	0.16492	0.000292	0.041159	0.022913
Winter	PM25_STREX	0.003205	0.004396	0.003209	0.003424	0.000795	0.000362	0.001422	0.001197	0.000567	0.000503	0.000817	0.003718	0.000555
Winter	ROG_DIURN	0.027375	0.095247	0.040267	0.059303	0.001702	0.000879	0.001717	0.001205	0.000687	0.003586	0.29883	0.017859	0.054314
Winter	ROG_HTSK	0.100315	0.278839	0.142376	0.218673	0.076937	0.039792	0.098091	0.089791	0.028533	0.099207	0.463099	0.236675	0.080592
Winter	ROG_IDLEX	0	0	0	0	0.027312	0.020544	0.180044	0.612766	0.503228	0	0	0.103504	0
Winter	ROG_RESTL	0.024627	0.073941	0.039413	0.058284	0.000995	0.000549	0.001021	0.000806	0.000357	0.001864	0.146632	0.007346	0.021222
Winter	ROG_RUNEX	0.016795	0.044708	0.021513	0.047737	0.118826	0.102728	0.117383	0.220174	0.135345	0.714171	2.694552	0.380437	0.083424
Winter	ROG_RUNLS	0.25936	1.077147	0.513174	0.761042	0.489615	0.233727	0.505093	0.467466	0.341506	0.776104	1.585837	2.378947	1.88283
Winter	ROG_STREX	0.124555	0.330791	0.178828	0.403907	0.38688	0.200267	1.059217	2.165207	0.685116	0.827826	2.496145	2.206784	0.437298
Winter	SO2_IDLEX	0	0	0	0	0.00009	0.000097	0.005553	0.005139	0.005205	0	0	0.005323	0
Winter	SO2_RUNEX	0.003436	0.003983	0.004671	0.005943	0.006889	0.006072	0.010177	0.016203	0.010909	0.020468	0.002114	0.011045	0.007163
Winter	SO2_STREX	0.000768	0.00093	0.001051	0.001364	0.000492	0.000303	0.000888	0.001823	0.000578	0.000497	0.000699	0.001939	0.000504
Winter	TOG_DIURN	0.027375	0.095247	0.040267	0.059303	0.001702	0.000879	0.001717	0.001205	0.000687	0.003586	0.29883	0.017859	0.054314
Winter	TOG_HTSK	0.100315	0.278839	0.142376	0.218673	0.076937	0.039792	0.098091	0.089791	0.028533	0.099207	0.463099	0.236675	0.080592
Winter	TOG_IDLEX	0	0	0	0	0.029108	0.022126	0.204967	0.697587	0.572887	0	0	0.117832	0
Winter	TOG_RESTL	0.024627	0.073941	0.039413	0.058284	0.000995	0.000549	0.001021	0.000806	0.000357	0.001864	0.146632	0.007346	0.021222
Winter	TOG_RUNEX	0.026802	0.064533	0.034921	0.070707	0.13942	0.120119	0.134879	0.251177	0.157665	0.794333	2.94784	0.422413	0.105141
Winter	TOG_RUNLS	0.25936	1.077147	0.513174	0.761042	0.489615	0.233727	0.505093	0.467466	0.341506	0.776104	1.585837	2.378947	1.88283
Winter	TOG_STREX	0.132992	0.353191	0.190937	0.431329	0.413094	0.213835	1.13143	2.313409	0.731543	0.883934	2.680573	2.356802	0.466922

On-Road Emission Factors by Vehicle Class, Year 2035

Statewide Fleet Climate Zone 14 Rural Setting

Source: Default emission factors for Statewide vehicle fleet from CalEEMod.2013.2.

Annual	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Annual	FleetMix	0.473147	0.064553	0.181086	0.147073	0.046621	0.006962	0.016781	0.049895	0.002005	0.002155	0.005861	0.000579	0.003283
Annual	CH4_IDLEX	0	0	0	0	0.001151	0.000878	0.008292	0.028542	0.026062	0	0	0.007967	0
Annual	CH4_RUNEX	0.008338	0.009725	0.010004	0.012868	0.006636	0.004846	0.004055	0.009079	0.002856	0	0	0.009291	0
Annual	CH4_STREX	0.003655	0.004517	0.004177	0.007006	0.009917	0.005195	0	0	0	0	0	0	0
Annual	CO_IDLEX	0	0	0	0	0.169175	0.1337	2.110917	3.466526	3.305433	0	0	2.028305	0
Annual	CO_RUNEX	0.610537	0.721882	0.69785	0.941349	0.425168	0.494187	0.37918	1.254045	0.553767	2.303536	22.524569	1.155142	0.229536
Annual	CO_STREX	1.025731	1.296558	1.188936	1.838935	2.385106	1.406743	7.787106	53.467759	5.936173	6.341781	10.970407	14.225335	4.865003
Annual	CO2_NBIO_IDLEX	0	0	0	0	7.988969	8.777731	572.82817	527.65932	533.36229	0	0	573.46344	0
Annual	CO2_NBIO_RUNEX	208.94337	250.63254	324.56544	426.27345	626.64144	558.08597	957.34386	1521.8007	1033.0193	1780.8038	149.70511	996.32517	645.05194
Annual	CO2_NBIO_STREX	44.198696	53.44147	68.943353	90.91371	37.551558	23.918687	49.321407	49.321407	32.734286	25.549876	36.302644	115.30167	31.569613
Annual	NOX_IDLEX	0	0	0	0	0.065238	0.116938	3.235401	3.224738	3.200746	0	0	3.644479	0
Annual	NOX_RUNEX	0.063326	0.070125	0.073275	0.102069	0.463205	0.641784	0.893263	2.010197	1.042173	5.890217	1.205681	3.259962	0.697638
Annual	NOX_STREX	0.060836	0.079149	0.081434	0.138995	0.898939	0.516754	0.900503	3.41902	0.812224	1.00194	0.312342	1.396061	0.593679
Annual	PM10_IDLEX	0	0	0	0	0.000674	0.001231	0.007547	0.009002	0.008796	0	0	0.007655	0
Annual	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.050344	0.068058	0.11479	0.060724	0.0963	0.673644	0.03675	0.513595	0.051027
Annual	PM10_PMTW	0.008	0.008	0.008	0.008	0.00937	0.010389	0.011335	0.035279	0.010545	0.008	0.008	0.010694	0.00861
Annual	PM10_RUNEX	0.002165	0.002147	0.002138	0.002072	0.007775	0.012133	0.032738	0.076341	0.036701	0.112109	0.000244	0.03488	0.008277
Annual	PM10_STREX	0.005282	0.004997	0.00521	0.004854	0.000243	0.000116	0.000383	0.000356	0.000281	0.000177	0.000672	0.000762	0.000208
Annual	PM25_IDLEX	0	0	0	0	0.00062	0.001133	0.006944	0.008282	0.008092	0	0	0.007042	0
Annual	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.021576	0.029168	0.049196	0.026025	0.041271	0.288704	0.01575	0.220112	0.021869
Annual	PM25_PMTW	0.002	0.002	0.002	0.002	0.002343	0.002597	0.002834	0.00882	0.002636	0.002	0.002	0.002673	0.002153
Annual	PM25_RUNEX	0.002009	0.001992	0.001984	0.001922	0.007155	0.011164	0.030119	0.070234	0.033766	0.103142	0.000211	0.032091	0.007616
Annual	PM25_STREX	0.004901	0.004636	0.004834	0.004503	0.000225	0.000108	0.000355	0.000331	0.00026	0.000164	0.000588	0.000707	0.000193
Annual	ROG_DIURN	0.018901	0.045784	0.048131	0.081691	0.001538	0.000806	0.001474	0.001464	0.000826	0.002641	0.42449	0.010529	0.035945
Annual	ROG_HTSK	0.052103	0.10693	0.09873	0.161813	0.049041	0.023392	0.063066	0.059674	0.023403	0.039713	0.377274	0.117311	0.029353
Annual	ROG_IDLEX	0	0	0	0	0.026524	0.020005	0.178533	0.614496	0.561094	0	0	0.171526	0
Annual	ROG_RESTL	0.017654	0.043513	0.050201	0.086589	0.001074	0.000587	0.00105	0.001036	0.000445	0.001521	0.233691	0.004997	0.018892
Annual	ROG_RUNEX	0.012009	0.012684	0.012448	0.017703	0.036117	0.047011	0.089702	0.19935	0.104807	0.33532	2.554289	0.234772	0.025879
Annual	ROG_RUNLS	0.164952	0.365795	0.338652	0.508733	0.258906	0.120936	0.332495	0.330691	0.281665	0.383813	1.158871	0.789244	0.679536
Annual	ROG_STREX	0.064833	0.080118	0.074101	0.12427	0.175921	0.092157	0.47991	0.953314	0.368779	0.552475	2.143805	0.896202	0.254371
Annual	SO2_IDLEX	0	0	0	0	0.00009	0.000097	0.006072	0.005593	0.005654	0	0	0.006079	0
Annual	SO2_RUNEX	0.003509	0.004075	0.004768	0.0061	0.006876	0.006056	0.010197	0.016139	0.011057	0.018978	0.002097	0.010679	0.00708
Annual	SO2_STREX	0.000756	0.000882	0.001029	0.001321	0.000459	0.00029	0.000684	0.001416	0.000468	0.0004	0.000643	0.00153	0.000435
Annual	TOG_DIURN	0.018901	0.045784	0.048131	0.081691	0.001538	0.000806	0.001474	0.001464	0.000826	0.002641	0.42449	0.010529	0.035945
Annual	TOG_HTSK	0.052103	0.10693	0.09873	0.161813	0.049041	0.023392	0.063066	0.059674	0.023403	0.039713	0.377274	0.117311	0.029353
Annual	TOG_IDLEX	0	0	0	0	0.028279	0.021559	0.203246	0.699557	0.638763	0	0	0.195269	0
Annual	TOG_RESTL	0.017654	0.043513	0.050201	0.086589	0.001074	0.000587	0.00105	0.001036	0.000445	0.001521	0.233691	0.004997	0.018892
Annual	TOG_RUNEX	0.020559	0.022632	0.022674	0.030873	0.045447	0.055918	0.103244	0.227457	0.121826	0.379358	2.800125	0.269654	0.035037
Annual	TOG_RUNLS	0.164952	0.365795	0.338652	0.508733	0.258906	0.120936	0.332495	0.330691	0.281665	0.383813	1.158871	0.789244	0.679536
Annual	TOG_STREX	0.069222	0.085541	0.079117	0.132682	0.187829	0.098395	0.512395	1.017845	0.393742	0.589873	2.299685	0.956867	0.271589
Summer	FleetMix	0.473147	0.064553	0.181086	0.147073	0.046621	0.006962	0.016781	0.049895	0.002005	0.002155	0.005861	0.000579	0.003283

On-Road Emission Factors by Vehicle Class, Year 2035

Statewide Fleet Climate Zone 14 Rural Setting

Source: Default emission factors for Statewide vehicle fleet from CalEEMod.2013.2.

Annual	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Summer	CH4_IDLEX	0	0	0	0	0.001151	0.000878	0.007815	0.026898	0.024561	0	0	0.007508	0
Summer	CH4_RUNEX	0.008338	0.009725	0.010004	0.012868	0.006636	0.004846	0.004055	0.009079	0.002856	0	0	0.009291	0
Summer	CH4_STREX	0.003655	0.004517	0.004177	0.007006	0.009917	0.005195	0	0	0	0	0	0	0
Summer	CO_IDLEX	0	0	0	0	0.169175	0.1337	1.53388	2.51892	2.401864	0	0	1.47385	0
Summer	CO_RUNEX	0.711757	0.840096	0.811263	1.098424	0.429605	0.496034	0.38053	1.261434	0.5571	2.335894	21.936065	1.172301	0.233965
Summer	CO_STREX	0.774808	0.967986	0.888636	1.376548	1.799243	1.073221	5.916033	41.131073	4.467143	5.140568	8.939586	11.677301	3.494879
Summer	CO2_NBIO_IDLEX	0	0	0	0	7.988969	8.777731	606.86082	559.00842	565.05021	0	0	607.53383	0
Summer	CO2_NBIO_RUNEX	223.49383	267.72136	346.41905	455.7214	626.64145	558.08598	957.34386	1521.8007	1033.0193	1780.8038	149.70511	996.32519	645.05194
Summer	CO2_NBIO_STREX	44.198696	53.441472	68.943352	90.913711	37.551558	23.918688	49.321407	49.321406	32.734286	25.549877	36.302645	115.30167	31.569615
Summer	NOX_IDLEX	0	0	0	0	0.065238	0.116938	3.339476	3.328471	3.303707	0	0	3.761714	0
Summer	NOX_RUNEX	0.057108	0.063087	0.065838	0.091832	0.434508	0.607797	0.847521	1.906849	0.987588	5.578748	1.048563	3.084156	0.652362
Summer	NOX_STREX	0.055871	0.072502	0.074621	0.127382	0.853833	0.491767	0.854312	3.251042	0.769574	0.945118	0.289965	1.297985	0.557156
Summer	PM10_IDLEX	0	0	0	0	0.000674	0.001231	0.006362	0.007589	0.007415	0	0	0.006453	0
Summer	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.050344	0.068058	0.11479	0.060724	0.0963	0.673644	0.03675	0.513595	0.051027
Summer	PM10_PMTW	0.008	0.008	0.008	0.008	0.00937	0.010389	0.011335	0.035279	0.010545	0.008	0.008	0.010694	0.00861
Summer	PM10_RUNEX	0.002165	0.002147	0.002138	0.002072	0.007775	0.012133	0.032738	0.076341	0.036701	0.112109	0.000244	0.03488	0.008277
Summer	PM10_STREX	0.005282	0.004997	0.00521	0.004854	0.000243	0.000116	0.000383	0.000356	0.000281	0.000177	0.000672	0.000762	0.000208
Summer	PM25_IDLEX	0	0	0	0	0.00062	0.001133	0.005853	0.006981	0.006822	0	0	0.005937	0
Summer	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.021576	0.029168	0.049196	0.026025	0.041271	0.288704	0.01575	0.220112	0.021869
Summer	PM25_PMTW	0.002	0.002	0.002	0.002	0.002343	0.002597	0.002834	0.00882	0.002636	0.002	0.002	0.002673	0.002153
Summer	PM25_RUNEX	0.002009	0.001992	0.001984	0.001922	0.007155	0.011164	0.030119	0.070234	0.033766	0.103142	0.000211	0.032091	0.007616
Summer	PM25_STREX	0.004901	0.004636	0.004834	0.004503	0.000225	0.000108	0.000355	0.000331	0.00026	0.000164	0.000588	0.000707	0.000193
Summer	ROG_DIURN	0.037201	0.090215	0.093774	0.160019	0.002958	0.00151	0.002788	0.002795	0.001548	0.005022	0.963858	0.020508	0.067644
Summer	ROG_HTSK	0.056698	0.116079	0.106742	0.17301	0.052844	0.024932	0.067431	0.064033	0.024489	0.04888	0.5433	0.122517	0.031289
Summer	ROG_IDLEX	0	0	0	0	0.026524	0.020005	0.168251	0.579105	0.528779	0	0	0.161647	0
Summer	ROG_RESTL	0.031654	0.076805	0.08748	0.149998	0.001883	0.001001	0.001797	0.001797	0.000762	0.002825	0.598905	0.008874	0.033526
Summer	ROG_RUNEX	0.013236	0.01402	0.013725	0.019666	0.03636	0.047108	0.089771	0.19947	0.104981	0.337615	2.491543	0.2359	0.026116
Summer	ROG_RUNLS	0.15517	0.344209	0.318923	0.48271	0.252303	0.117667	0.322452	0.322427	0.274782	0.351075	1.067166	0.693609	0.653609
Summer	ROG_STREX	0.053546	0.065326	0.060491	0.101474	0.150633	0.079372	0.411836	0.822831	0.314696	0.489705	1.789885	0.796333	0.211286
Summer	SO2_IDLEX	0	0	0	0	0.00009	0.000097	0.006433	0.005926	0.00599	0	0	0.00644	0
Summer	SO2_RUNEX	0.003754	0.004355	0.00509	0.006523	0.006876	0.006056	0.010197	0.016139	0.011057	0.018979	0.002086	0.010679	0.00708
Summer	SO2_STREX	0.000752	0.000877	0.001024	0.001313	0.000449	0.000285	0.000653	0.001218	0.000443	0.00038	0.0006	0.001487	0.000412
Summer	TOG_DIURN	0.037201	0.090215	0.093774	0.160019	0.002958	0.00151	0.002788	0.002795	0.001548	0.005022	0.963858	0.020508	0.067644
Summer	TOG_HTSK	0.056698	0.116079	0.106742	0.17301	0.052844	0.024932	0.067431	0.064033	0.024489	0.04888	0.5433	0.122517	0.031289
Summer	TOG_IDLEX	0	0	0	0	0.028279	0.021559	0.191541	0.659267	0.601974	0	0	0.184023	0
Summer	TOG_RESTL	0.031654	0.076805	0.08748	0.149998	0.001883	0.001001	0.001797	0.001797	0.000762	0.002825	0.598905	0.008874	0.033526
Summer	TOG_RUNEX	0.022646	0.024945	0.024975	0.034077	0.045837	0.056092	0.103352	0.227589	0.122089	0.381846	2.734127	0.270937	0.035457
Summer	TOG_RUNLS	0.15517	0.344209	0.318923	0.48271	0.252303	0.117667	0.322452	0.322427	0.274782	0.351075	1.067166	0.693609	0.653609
Summer	TOG_STREX	0.057171	0.069748	0.064585	0.108343	0.16083	0.084745	0.439713	0.87853	0.335999	0.522854	1.919803	0.850239	0.225588
Winter	FleetMix	0.473147	0.064553	0.181086	0.147073	0.046621	0.006962	0.016781	0.049895	0.002005	0.002155	0.005861	0.000579	0.003283
Winter	CH4_IDLEX	0	0	0	0	0.001151	0.000878	0.008952	0.030812	0.028134	0	0	0.008601	0

On-Road Emission Factors by Vehicle Class, Year 2035

Statewide Fleet Climate Zone 14 Rural Setting

Source: Default emission factors for Statewide vehicle fleet from CalEEMod.2013.2.

Annual	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Winter	CH4_RUNEX	0.008338	0.009725	0.010004	0.012868	0.006636	0.004846	0.004055	0.009079	0.002856	0	0	0.009291	0
Winter	CH4_STREX	0.003655	0.004517	0.004177	0.007006	0.009917	0.005195	0	0	0	0	0	0	0
Winter	CO_IDLEX	0	0	0	0	0.169175	0.1337	2.907779	4.775124	4.553219	0	0	2.793981	0
Winter	CO_RUNEX	0.582672	0.691305	0.668315	0.899699	0.422484	0.493097	0.378367	1.249873	0.551705	2.284175	23.559242	1.144025	0.227403
Winter	CO_STREX	1.179219	1.490583	1.363251	2.120062	2.7556	1.609836	9.048872	61.378616	6.93063	7.13243	12.708832	16.234076	6.123756
Winter	CO2_NBIO_IDLEX	0	0	0	0	7.988969	8.777731	525.8307	484.36772	489.60278	0	0	526.41385	0
Winter	CO2_NBIO_RUNEX	204.91396	245.82396	318.40652	417.63068	626.64145	558.08598	957.34386	1521.8007	1033.0193	1780.8038	149.70511	996.32519	645.05194
Winter	CO2_NBIO_STREX	44.198696	53.441472	68.943352	90.913711	37.551558	23.918688	49.321407	49.321406	32.734286	25.549877	36.302645	115.30167	31.569615
Winter	NOX_IDLEX	0	0	0	0	0.065238	0.116938	3.091677	3.081488	3.058562	0	0	3.482583	0
Winter	NOX_RUNEX	0.065025	0.072073	0.075158	0.105175	0.465564	0.64218	0.895787	2.01735	1.043918	5.893389	1.247282	3.272888	0.697941
Winter	NOX_STREX	0.063814	0.083036	0.085364	0.146025	0.925872	0.53119	0.929325	3.520321	0.838959	1.036562	0.32842	1.462337	0.623874
Winter	PM10_IDLEX	0	0	0	0	0.000674	0.001231	0.009184	0.010953	0.010702	0	0	0.009314	0
Winter	PM10_PMBW	0.03675	0.03675	0.03675	0.03675	0.050344	0.068058	0.11479	0.060724	0.0963	0.673644	0.03675	0.513595	0.051027
Winter	PM10_PMTW	0.008	0.008	0.008	0.008	0.00937	0.010389	0.011335	0.035279	0.010545	0.008	0.008	0.010694	0.00861
Winter	PM10_RUNEX	0.002165	0.002147	0.002138	0.002072	0.007775	0.012133	0.032738	0.076341	0.036701	0.112109	0.000244	0.03488	0.008277
Winter	PM10_STREX	0.005282	0.004997	0.00521	0.004854	0.000243	0.000116	0.000383	0.000356	0.000281	0.000177	0.000672	0.000762	0.000208
Winter	PM25_IDLEX	0	0	0	0	0.00062	0.001133	0.008449	0.010077	0.009846	0	0	0.008569	0
Winter	PM25_PMBW	0.01575	0.01575	0.01575	0.01575	0.021576	0.029168	0.049196	0.026025	0.041271	0.288704	0.01575	0.220112	0.021869
Winter	PM25_PMTW	0.002	0.002	0.002	0.002	0.002343	0.002597	0.002834	0.00882	0.002636	0.002	0.002	0.002673	0.002153
Winter	PM25_RUNEX	0.002009	0.001992	0.001984	0.001922	0.007155	0.011164	0.030119	0.070234	0.033766	0.103142	0.000211	0.032091	0.007616
Winter	PM25_STREX	0.004901	0.004636	0.004834	0.004503	0.000225	0.000108	0.000355	0.000331	0.00026	0.000164	0.000588	0.000707	0.000193
Winter	ROG_DIURN	0.012902	0.031019	0.032455	0.053125	0.001058	0.00057	0.001014	0.000998	0.000589	0.001977	0.282968	0.007216	0.02671
Winter	ROG_HTSK	0.054007	0.111182	0.102186	0.165855	0.050628	0.024074	0.064807	0.061013	0.023896	0.043828	0.436903	0.119649	0.030082
Winter	ROG_IDLEX	0	0	0	0	0.026524	0.020005	0.192733	0.663369	0.605721	0	0	0.185168	0
Winter	ROG_RESTL	0.012553	0.031415	0.03659	0.062206	0.000811	0.000455	0.000789	0.000776	0.000345	0.001192	0.138331	0.003812	0.015218
Winter	ROG_RUNEX	0.011544	0.012263	0.012044	0.017067	0.035958	0.046949	0.089658	0.19928	0.104694	0.333927	2.610096	0.234032	0.025756
Winter	ROG_RUNLS	0.195335	0.43638	0.400607	0.597433	0.286359	0.133472	0.369615	0.367275	0.304708	0.48579	1.448786	0.99067	0.749263
Winter	ROG_STREX	0.072066	0.089093	0.082244	0.138505	0.191341	0.099652	0.524276	1.035457	0.404281	0.592022	2.433447	0.968547	0.292065
Winter	SO2_IDLEX	0	0	0	0	0.00009	0.000097	0.005574	0.005135	0.00519	0	0	0.00558	0
Winter	SO2_RUNEX	0.003441	0.003996	0.004677	0.005975	0.006876	0.006056	0.010197	0.016139	0.011057	0.018978	0.002115	0.010678	0.00708
Winter	SO2_STREX	0.000759	0.000885	0.001032	0.001326	0.000466	0.000294	0.000706	0.001543	0.000485	0.000414	0.00068	0.001564	0.000455
Winter	TOG_DIURN	0.012902	0.031019	0.032455	0.053125	0.001058	0.00057	0.001014	0.000998	0.000589	0.001977	0.282968	0.007216	0.02671
Winter	TOG_HTSK	0.054007	0.111182	0.102186	0.165855	0.050628	0.024074	0.064807	0.061013	0.023896	0.043828	0.436903	0.119649	0.030082
Winter	TOG_IDLEX	0	0	0	0	0.028279	0.021559	0.219412	0.755196	0.689567	0	0	0.2108	0
Winter	TOG_RESTL	0.012553	0.031415	0.03659	0.062206	0.000811	0.000455	0.000789	0.000776	0.000345	0.001192	0.138331	0.003812	0.015218
Winter	TOG_RUNEX	0.019817	0.0219	0.021945	0.029831	0.04519	0.055806	0.103176	0.227379	0.121656	0.377851	2.858832	0.268817	0.03482
Winter	TOG_RUNLS	0.195335	0.43638	0.400607	0.597433	0.286359	0.133472	0.369615	0.367275	0.304708	0.48579	1.448786	0.99067	0.749263
Winter	TOG_STREX	0.076944	0.095124	0.087811	0.147881	0.204294	0.106398	0.559765	1.105549	0.431647	0.632097	2.610687	1.03411	0.311835

Fleet Mix

Vehicle Counts on Squaw Valley Road Near Ski Entrance By Christy Hill Road

Day of Week	Observation Date	Time of Day	Duration (minutes)	Travel Direction	Automobile	SUV/MiniVan	2-Axle Truck (Non-Comm.)	3-Axle Truck	4-Axle Truck	5-Axle Truck	Bus/Shuttle	Motor cycle	Total
Friday	3/30/2012	4:30 PM	15	Eastbound	12	33	13	0	0	0	1	0	59
Friday	3/30/2012	4:30 PM	15	Westbound	48	92	67	0	0	0	8	0	215
Sunday	4/1/2012	2:30 PM	15	Westbound	18	48	29	0	0	0	4	0	99
Sunday	4/1/2012	2:30 PM	15	Eastbound	38	96	46	0	0	0	3	0	183
				Totals by Vehicle Type:	**116**	**269**	**155**	**0**	**0**	**0**	**16**	**0**	**556**
				Applicable Vehicle Class(es) in EMFAC2011	LDA	LDT1 or LDT2	LDT1 or LDT2	N/A	N/A	N/A	OBUS or UBUS	N/A	

Source: Ascent Staff collected traffic counts in the field during spring skiing season of 2012.

Default Fleet Mix % in CalEEMod for the Statewide Fleet

Year	LDA	LDT1	LDT2	OBUS	UBUS	units	Source
2017	0.49132	0.063009	0.178824	0.00189	0.002219	percent	wksht: On-Rd Emfacs 2017
2020	0.489282	0.062818	0.178967	0.001887	0.002197	percent	wksht: On-Rd Emfacs 2020
2035	0.473147	0.064553	0.181086	0.002005	0.002155	percent	wksht: On-Rd Emfacs 2035

Source: CalEEMod, Operational-Mobile Module; Vehicle Emissins Tab; Annual subtab; Statewide Fleet; Climate Zone 14: Rural Setting

See Notes 5 and 6 below.

See screen shots from CalEEMod below.

Scenario	LDT1+LDT2 combined	portion that is LDT1	portion that is LDT2	UBUS+OBUS combined	portion that is UBUS	portion that is OBUS
2017 @20% buildout	0.241833	26.1%	73.9%	0.004109	46.0%	54.0%
2020 (GHG comparison year)	0.241785	26.0%	74.0%	0.004084	46.2%	53.8%
2035 @ Full Buildout	0.245639	26.3%	73.7%	0.00416	48.2%	51.8%

Source: summation and proration calculations. See Notes 5 and 6.

Fleet Mix Representative of Traffic Observed on Squaw Valley Road

	LDA	LDT1	LDT2	OBUS	UBUS	Total	units	source
2017 @20% buildout (Winter or Summer)								
number	116	110	314	7	9	556	vehicles	calculations, See Notes below
percentage	20.9%	19.9%	56.4%	1.3%	1.6%	100.0%	%	calculation
2020 (GHG comparison year)								
number	116	110	314	7	9	556	vehicles	calculations, See Notes below
percentage	20.9%	19.8%	56.4%	1.3%	1.5%	100.0%	%	calculation
2035 @ Full Buildout (Winter or Summer)								
number	116	111	313	8	8	556	vehicles	calculations, See Notes below
percentage	20.9%	20.0%	56.2%	1.4%	1.5%	100.0%	%	calculation

VSVSP- Generated Trips, Daily	value	units	source
Max. % buildout in 2017	20%	%	wksht: VSVSP Parameters
Peak Summer Day - 2017	1,682	trips/day	calculation
Peak Winter Day - 2017	564	trips/day	calculation
Peak Summer Day - 2037	8,410	trips/day	wksht: VMT
Peak Winter Day - 2037	2,821	trips/day	wksht: VMT
Annual Average Daily @ Full Buildout	3,186	trips/day	wksht: VMT

Average Daily Truck Trips by Truck Type	MDV	LHD1	LHD2	MHD	HHD	Combined	units	source
daily truck trips @ 20% buildout in 2017	1	1	1	1	1	5	trips/day	Assumption, See Note 2
% of total daily Sumer trips	0.06%	0.06%	0.06%	0.06%	0.06%	0.30%	%	calculation
% of total daily Winter trips	0.18%	0.18%	0.18%	0.18%	0.18%	0.89%	%	calculation
daily truck trips @ 100% buildout in 2037	5	5	5	5	5	25	trips/day	Assumption, See Note 2
% of total daily Sumer trips	0.06%	0.06%	0.06%	0.06%	0.06%	0.30%	%	calculation
% of total daily Winter trips	0.18%	0.18%	0.18%	0.18%	0.18%	0.89%	%	calculation
% of total annual trips 2037 & 2020 comp year	0.16%	0.16%	0.16%	0.16%	0.16%	0.78%	%	calculation

Projected Fleet Mix of VSVSP-Generated Trips

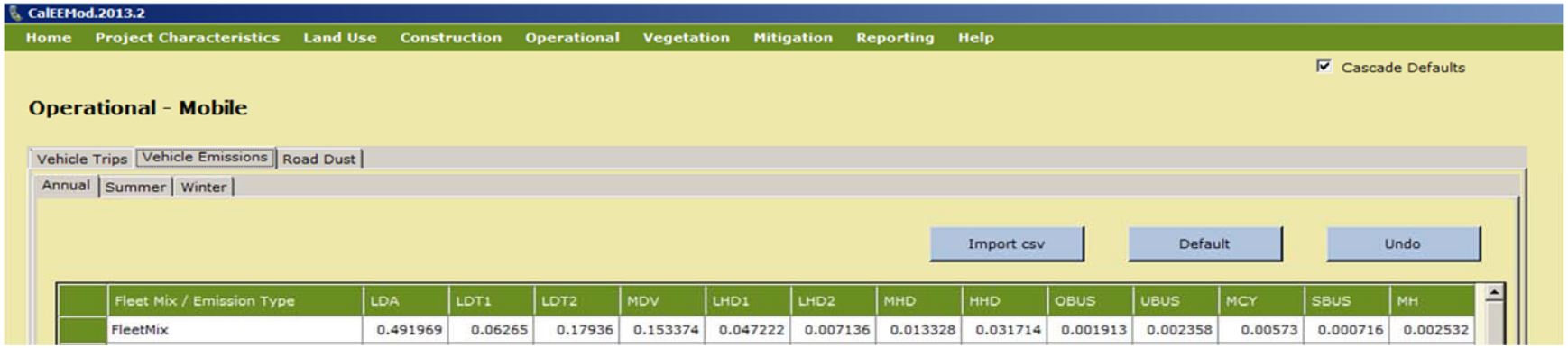
	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	Total	units	source
fleet mix @ 20% buildout in 2017													
Summer peak day 2017	20.8%	19.8%	56.2%	1.3%	1.5%	0.06%	0.06%	0.06%	0.06%	0.06%	100.00%	%	
Winter peak day 2017	20.7%	19.7%	55.9%	1.3%	1.5%	0.18%	0.18%	0.18%	0.18%	0.18%	100.00%	%	
fleet mix @ 100% buildout in 2020 Comparison year													
Annual 2020 comparison year	20.7%	19.7%	56.0%	1.3%	1.5%	0.16%	0.16%	0.16%	0.16%	0.16%	100.00%	%	
fleet mix @ 100% buildout in 2037													
Summer peak day 2037	20.8%	20.0%	56.1%	1.4%	1.5%	0.06%	0.06%	0.06%	0.06%	0.06%	100.00%	%	
Winter peak day 2037	20.7%	19.9%	55.7%	1.4%	1.5%	0.18%	0.18%	0.18%	0.18%	0.18%	100.00%	%	
Annual Avg. 2037	20.7%	19.9%	55.8%	1.4%	1.5%	0.16%	0.16%	0.16%	0.16%	0.16%	100.00%	%	

Notes

1 The values for LDA, LDT1, LDT2, OBUS, and UBUS are based on the observed data on Squaw Valley Road and the breakdown in the default statewise fleet mix for the applicable year.
2 The values for LHD1, LHD2, MHD, and HHD are assumptions based on the types and size of land uses and facilities proposed under the Specific Plan.
3 It is assumed that the fleet mix data collected by Ascent staff are representative of the local fleet mix during both summer and winter conditions.
4 The types of vehicles recorded by Ascent staff as 2-axle trucks included larger pickup trucks such as a Toyota Tacoma or Ford F150.
5 Default fleet mix values were used to determine what portion of SUV/Minivans and 2-Axle Trucks are LDT1 or LDT2, which are more specific vehicle class categories used by CalEEMod and EMFAC2011.
6 Default fleet mix values were used to determine what portion of Bus/Shuttle are OBUS and UBUS, which are more specific vehicle class categories used by CalEEMod and EMFAC2011.
7 The percent mix of truck classes (i.e., MDV, LHD1, LHD2, MHD, and HHD) is based on the percent mix for LDA, LDT1, LDT2, OBUS, and UBUS is adjusted to incorporate the truck classes in the fleet mix.
8 The percent mix of truck classes (i.e., MDV, LHD1, LHD2, MHD, and HHD) is based on the assumptions and the percent mix for LDA, LDT1, LDT2, OBUS, and UBUS is adjusted to incorporate the truck classes in the fleet mix.
9 The percentage of all other vehicle classes is assumed to be 0.0%.

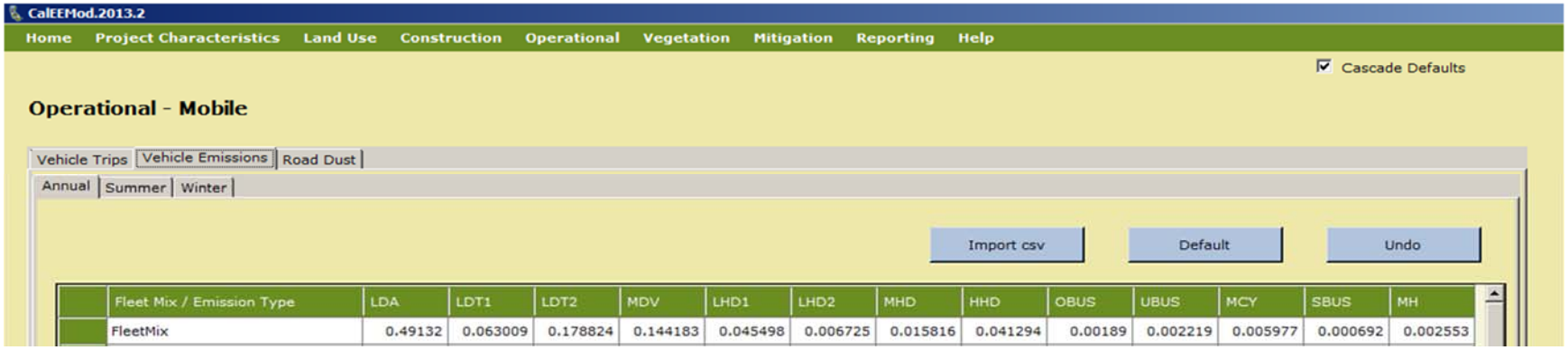
Default Fleet Mix from CalEEMod for Statewide Vehicle Fleet

Calendar Year 2010



Fleet Mix / Emission Type	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
FleetMix	0.491969	0.06265	0.17936	0.153374	0.047222	0.007136	0.013328	0.031714	0.001913	0.002358	0.00573	0.000716	0.002532

Calendar Year 2017



Fleet Mix / Emission Type	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
FleetMix	0.49132	0.063009	0.178824	0.144183	0.045498	0.006725	0.015816	0.041294	0.00189	0.002219	0.005977	0.000692	0.002553

Calendar Year 2020

CalEEMod.2013.2

Home | Project Characteristics | Land Use | Construction | Operational | Vegetation | Mitigation | Reporting | Help

☑ Cascade Defaults

Operational - Mobile

Vehicle Trips | Vehicle Emissions | Road Dust

Annual | Summer | Winter

Import csv | Default | Undo

Fleet Mix / Emission Type	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
FleetMix	0.489282	0.062818	0.178967	0.144266	0.045722	0.006749	0.015961	0.042855	0.001887	0.002197	0.006045	0.000669	0.002583

Calendar Year 2035

CalEEMod.2013.2

Home | Project Characteristics | Land Use | Construction | Operational | Vegetation | Mitigation | Reporting | Help

☑ Cascade Defaults

Operational - Mobile

Vehicle Trips | Vehicle Emissions | Road Dust

Annual | Summer | Winter

Import csv | Default | Undo

Fleet Mix / Emission Type	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
FleetMix	0.473147	0.064553	0.181086	0.147073	0.046621	0.006962	0.016781	0.049895	0.002005	0.002155	0.005861	0.000579	0.003283

Mobile-Source GHGs, Annual, 2010 (No Actoin Taken Scenario) - Full Buildout

VMT Levels

	value	units	source
Annual VMT in 2037	44,104,014	VMT/day	wksht: VMT
Annual Trips in 2037	1,163,015	trips/day	wksht: VMT

By Vehicle Class	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	Total	units	source
Fleet Mix in 2020 Comparison Year	20.70%	19.66%	56.00%	1.32%	1.54%	0.16%	0.16%	0.16%	0.16%	0.16%	100.0%	%	wksht: Fleet Mix
Annual VMT by Vehicle Class	9,129,362	8,669,679	24,699,711	581,820	677,402	69,208	69,208	69,208	69,208	69,208	44,104,014	VMT/year	calculation
Annual Trips by Vehicle Class	240,740	228,618	651,327	15,342	17,863	1,825	1,825	1,825	1,825	1,825	1,163,015	trips/year	calculation

On-Road Emission Factors - Annual

	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	units
Running Exhaust											
CO2_NBIO_RUNEX	348.3	399.84	476	1060.121212	2241.418242	599.04	701.678588	621.356973	1075.508518	1716.472104	g/mi
CH4_RUNEX	0.025094	0.046519	0.031233	0.008284	0	0.039612	0.027993	0.020442	0.016049	0.028383	g/mi
Starting Exhaust											
CO2_NBIO_STREX	73.17	84.92	99.67	40.769279	29.283777	124.99	39.417434	27.120432	80.865171	120.301538	g/trip
CH4_STREX	0.027848	0.049231	0.004339	0.002409	0.001092	0.004426	0.001958	0.00173	0.011166	0.021626	g/trip

Source: wksht On-Road Emfacs 2010

Max Daily Emissions by Vehicle Class

	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	Total	units
Running Exhaust												
CO2	3,179,756,612	3,466,484,492	11,757,062,543	616,799,608	1,518,342,064	41,458,304	48,561,706	43,002,815	74,433,693	118,793,441	20,864,695,278	g/year
CH4	229,092	403,305	771,446	4,820	0	2,741	1,937	1,415	1,111	1,964	1,417,831	g/year
Starting Exhaust												
CO2	17,614,918	19,414,230	64,917,755	625,502	523,095	228,107	71,937	49,495	147,579	219,550	103,812,167	g/year
CH4	6,704	11,255	2,826	37	20	8	4	3	20	39	20,916	g/year

	value	units	source
mass conversion rate	1,000,000	g/MT	wksht: Conversion Rates
CH4 global warming potential	25	unitless	wksht: Conversion Rates

Annual GHG Emissions, by GHG	CO2	CH4	units	source
	20,969	1.4	MT/year	summation, conversion calculation

	CO2-e	units	source
Annual CO2-e Emissions	21,004	MT/year	summation, GWP calculation

Mobile-Source GHGs, Annual, 2020 (comparison year) - Full Buildout

VMT Levels

	value	units	source
Annual VMT in 2037	44,104,014	VMT/day	wksht: VMT
Annual Trips in 2037	1,163,015	trips/day	wksht: VMT

By Vehicle Class	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	Total	units	source
Fleet Mix in 2020	20.70%	19.66%	56.00%	1.32%	1.54%	0.16%	0.16%	0.16%	0.16%	0.16%	100.00%	%	wksht: Fleet Mix
Annual VMT by Vehicle Class	9,129,362	8,669,679	24,699,711	581,820	677,402	69,208	69,208	69,208	69,208	69,208	44,104,014	VMT/year	calculation
Annual Trips by Vehicle Class	240,740	228,618	651,327	15,342	17,863	1,825	1,825	1,825	1,825	1,825	1,163,015	trips/year	calculation

On-Road Emission Factors - Annual

	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	units
Running Exhaust											
CO2_NBIO_RUNEX	240.351457	292.379442	357.535314	1017.266604	1918.754405	475.117483	626.554969	559.114841	954.720785	1527.671235	g/mi
CH4_RUNEX	0.009996	0.019517	0.013405	0.002773	0	0.022711	0.014817	0.009437	0.004573	0.009916	g/mi
Starting Exhaust											
CO2_NBIO_STREX	52.388775	63.352584	77.216792	32.783779	25.609895	102.502583	36.568274	23.381324	49.788718	50.310846	g/trip
CH4_STREX	0.006319	0.016757	0.00346	0.000614	0.000545	0.003699	0.000859	0.000391	0.001562	0.001352	g/trip

Source: wksht On-Road Emfacs 2020

Max Daily Emissions by Vehicle Class

	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	Total	units
Running Exhaust												
CO2	2,194,255,339	2,534,835,938	8,831,019,009	591,865,945	1,299,768,811	32,881,886	43,362,558	38,695,168	66,074,227	105,726,928	15,738,485,807	g/year
CH4	91,257	169,206	331,100	1,613	0	1,572	1,025	653	316	686	597,429	g/year
Starting Exhaust												
CO2	12,612,054	14,483,533	50,293,376	502,985	457,469	187,067	66,737	42,671	90,864	91,817	78,828,573	g/year
CH4	1,521	3,831	2,254	9	10	7	2	1	3	2	7,639	g/year

	value	units	source
mass conversion rate	1,000,000	g/MT	wksht: Conversion Rates
CH4 global warming potential	25	unitless	wksht: Conversion Rates

Annual GHG Emissions, by GHG	CO2	CH4	units	source
	15,817	0.6	MT/year	summation, conversion calculation

	CO2-e	units	source
Annual CO2-e Emissions	15,832	MT/year	summation, GWP calculation

Mobile-Source GHGs, Annual, 2037

VMT Levels

	value	units	source
Annual VMT in 2037	44,104,014	VMT/day	wksht: VMT
Annual Trips in 2037	1,163,015	trips/day	wksht: VMT

By Vehicle Class	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	Total	units	source
Fleet Mix in 2035	20.70%	19.88%	55.78%	1.38%	1.48%	0.16%	0.16%	0.16%	0.16%	0.16%	100.00%	%	wksht: Fleet Mix
Annual VMT by Vehicle Class	9,129,362	8,769,350	24,600,041	606,909	652,313	69,208	69,208	69,208	69,208	69,208	44,104,014	VMT/year	calculation
Annual Trips by Vehicle Class	240,740	231,246	648,699	16,004	17,201	1,825	1,825	1,825	1,825	1,825	1,163,015	trips/year	calculation

On-Road Emission Factors - Annual

	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	units
Running Exhaust											
CO2_NBIO_RUNEX	208.94337	250.632539	324.565442	1033.019265	1780.803778	426.273454	626.64144	558.085972	957.343862	1521.800677	g/mi
CH4_RUNEX	0.008338	0.009725	0.010004	0.002856	0	0.012868	0.006636	0.004846	0.004055	0.009079	g/mi
Starting Exhaust											
CO2_NBIO_STREX	44.198696	53.44147	68.943353	32.734286	25.549876	90.91371	37.551558	23.918687	49.321407	49.321407	g/trip
CH4_STREX	0.003655	0.004517	0.00521	0.000281	0.000177	0.004854	0.000243	0.000116	0.000383	0.000356	g/trip

Source: wksht On-Road Emfacs 2035

Max Daily Emissions by Vehicle Class

	LDA	LDT1	LDT2	OBUS	UBUS	MDV	LHD1	LHD2	MHD	HHD	Total	units
Running Exhaust												
CO2	1,907,519,559	2,197,884,343	7,984,323,108	626,948,496	1,161,642,279	29,501,493	43,368,542	38,623,962	66,255,764	105,320,639	14,161,388,186	g/year
CH4	76,121	85,282	246,099	1,733	0	891	459	335	281	628	411,829	g/year
Starting Exhaust												
CO2	10,640,377	12,358,135	44,723,459	523,882	439,493	165,918	68,532	43,652	90,012	90,012	69,143,470	g/year
CH4	880	1,045	3,380	4	3	9	0	0	1	1	5,323	g/year

	value	units	source
mass conversion rate	1,000,000	g/MT	wksht: Conversion Rates
CH4 global warming potential	25	unitless	wksht: Conversion Rates

Annual GHG Emissions, by GHG	CO2	CH4	units	source
	14,231	0.4	MT/year	summation, conversion calculation

	CO2-e	units	source
Annual CO2-e Emissions	14,241	MT/year	summation, GWP calculation

Landscape Maintenance Equipment and Offroad Equipment, Maximum Daily Emissions of CAPs and Precursors

Year 2017	ROG	NOx	PM10	PM2.5	CO2-e	units	source
Daily Emissions							
Landscaping							
Full Buildout	2.0663	0.7733	0.3602	0.3602	121	lb/day	SV operational landscape maint & offroad equip Output Summer 2017.pdf
@ 20% Buildout	0.41326	0.15466	0.07204	0.07204	24	lb/day	proration calculation
Snow Removal							
Full Buildout	0.6453	5.6255	0.3839	0.3565	627	lb/day	SV operational landscape maint & offroad equip Output Winter 2017.pdf
@ 20% Buildout	0.12906	1.1251	0.07678	0.0713	125	lb/day	proration calculation

Source: CalEEMod model run "SV operational landscaping & snow removal 2017.xlsx"

	value	units	source
Max. portion of VSVSP operational in 2017	20%	%	wksht: VSVSP Parameters

Year 2035							
Daily Emissions	ROG	NOx	PM10	PM2.5	CO2-e	units	source
Landscaping							
Full Buildout	1.9575	0.7551	0.3642	0.3642	120.6	lb/day	SV operational landscape maint & offroad equip Output Summer 2035.pdf
Snow Removal							
Full Buildout	0.4170	2.5224	0.0609	0.0609	688	lb/day	SV operational landscape maint & offroad equip Output Winter 2035.pdf

Source: CalEEMod model run "SV operational landscaping & snow removal 2035.xlsx"

	value	units	source
Days per year when landscaping and snow removal take place	180	days/year	CalEEMod assumption
mass conversion rate	2,204.62	lb/MT	wksht: Conversion Rates
Annual GHG emissions at Full Buildout in 2037			
landscaping	9.8	MT/year	calculation
snow removal	56.2	MT/year	calculation

Year 2020 (Comparison Year) @ Full Buildout

	CO2-e	units	source
Daily Emissions			
Landscaping	120.7	lb/day	SV operational landscape maint & offroad equip Output Summer 2020.pdf
Snow Removal	688	lb/day	It is assumed that offf-road equipment emissions would be the same.
Annual Emissions			
Landscaping	9.9	MT/year	calculation
Snow Removal	56.2	MT/year	calculation

Source: CalEEMod model run "SV operational landscaping & snow removal 2020.xlsx"

Notes

1 CalEEMod does not estimate daily emissions from landscaping any differently for 2017 and 2037. However, it does estimate emissions differently by year for offroad equipment.

2 Emissions from snow removal equipment were estimated using the offroad equipment tab in the operational module of CalEEMod.

3 CalEEMod does not estimate daily emissions from landscaping or offroad equipment any differently for Summer and Winter.

4 It is assumed that emissiosnf from landscaping and snow removal activities would be the same for the Building-As-Usual Scenario as the 2020 Comparison Year.

Consumer Products and Architectural Coatings, Maximum Daily Emissions of ROG

Source: CalEEMod Model Run "SV operational cons prod & arch coat"

	ROG	NOx	PM10	PM2.5	units	source
Consumper Products						
Full Buildout	36.995	0	0	0	lb/day	See Notes 1-3
@ 20% Buildout	7.399	0	0	0	lb/day	proration calculation
Architectural Coatings						
Full Buildout	13.8588	0	0	0	lb/day	See Notes 1-4
@ 20% Buildout	2.77176	0	0	0	lb/day	proration calculation

	value	units	source
Max. portion of VSVSP operational in 2017	20%	%	wksht: VSVSP Parameters

Notes

1. CalEEMod does not estimate daily emissions from consumer products or architectural coatings any differently for the operational year of 2017 or 2035.
2. CalEEMod does not estimate daily emissions from consumer products or architectural coatings any differently for Summer and Winter.
3. Consumer products and architectual coatings genrate only ROG emissions.
4. For architectural coatings, Angel Green of PCAPCD recommends using an emission rate of 150 g/L ROG (pers. comm. Green, 2014).

Solid Waste Generation - GHGs

	value	unit	source
Annual CO2-e emissions at full buildout in 2037 with 100% year-round occupancy	166.572	MT/year	CalEEMod run "SV solid waste annual"
Annual average occupancy rate	55%	%	wksht: Occupancy Levels
Annual CO2-e emissions at full buildout in 2037	91.9	MT/year	proration

Notes

1 The quantity of solid waste generated is assumed to be the same for the building-as-usual scenario as the comparison scenario.

Occupancy Levels by Month

month	Occupancy Rate	Days in Month
January	59%	31
February	72%	28
March	70%	31
April	51%	30
May	37%	31
June	42%	30
July	85%	31
August	68%	31
September	46%	30
October	43%	31
November	26%	30
December	63%	31

Source: The monthly occupancy rates are from Table 11 on page 1 of the Water Supply Assessment.

Farr West Engineering, HydroMetrics WRI, and Todd Groundwater. 2014 (July 3). *Village at Squaw Valley Specific Plan Water Supply Assessment* . Prepred for Placer County and Squaw Valley Public Service District.

	value	units	source
Days per year	365	days/year	calendar
Annual average occupancy rate	55%	%	weighted average calculation
Occupancy Rate during Ozone Season (summer)	54%	%	weighted average using summer months
Occupancy Rate during Winter Season	57%	%	weighted average using winter months

GHGs from Electricity Consumption

Electricity Consumption

	value	units	source
peak demand stated at full buildout in 2037	3.75	MW	MacKay & Somps 2015:15
time conversion rate	24	hours/day	clock
time conversion rate	365	days/year	calendar
Annual average occupancy rate	55%	%	wksht: Occupancy levels; See Note 1
Total Annual Electricity Consumption upon Full Buildout of proposed pro	18,127	MW-hr/year	calculation
CO2-e emission factor during 2008	0.60	MT/MW-hr	wksht: Electricity GHG Emfacs; See Note 2
Annual CO2-e emissions at full buildout of proposed project in 2037	10,941	MT/year	calculation
Percent reduction in electricity consumption due to new efficiency requirements in the Title 24 Building Code developed under AB 32	25%	%	Source 2 (PCAPCD)
Total Annual Electricity Consumption upon Full Buildout under Business-As-Usual Scenario	14,588	MT/year	calculation

Source

1 MacKay & Somps. 2015 (January 27). *Dry Utility Master Plan - Village as Squaw Valley Specific Plan* .

2 Green, Angel. Associate Planner. Placer County Air Pollution Control District, Auburn, CA. November 13, 2014—e-mail correspondence with Austin Kerr of Ascent Environmental regarding assumptions and methods for estimating GHG emissiosn for the Business-As-Usual Scenario.

Notes

1 It is assumed that electricity consumption is correlated to occupancy levels even though some electricity-consuming equipment (e.g., outdoor lighting) is operated regardless of the occupancy level at the facilities. Thus, the level of electricity consumption may be underestimated, but this results in a conservative analysis in the building-as-usual comparison

2 Because projected GHG emission factors for CalPeco or Sierra Pacific Power are not currently available it is assumed that the emission factors would be the same for the 2020 comparison year and the full buildout year of 2037 as the 2008 emission factor provided for Sierra Pacific Power in CalEEMod.

GHG Emission Rates for Consumption of Electricity Produced Project

	value	units	sources/notes
local electric utility	Sierra Pacific Power	none	Source 2 and Source 3; See Note 1
GHG Emission Rates as of 2014			
CO2	1,328.16	lb/MW-hr	Source 1; See Note 2
CH4	0.029	lb/MW-hr	Source 1; See Note 2
N2O	0.006	lb/MW-hr	Source 1; See Note 2
Global warming potential			
CO2	1	unitless	wksht: Conversion Rates
CH4	25	unitless	wksht: Conversion Rates
N2O	298	unitless	wksht: Conversion Rates
CO2-e emission factor	1,330.67	lb/MW-hr	sumproduct calculation
mass conversion rate	2,204.62	lb/MT	wksht: Conversion Rates
CO2-e emission factor during 2008	0.60	MT/MW-hr	conversion calculation

Notes

1. CalPeco would be the electric utility serving the site. Prior to 2011 Olympic Valley was served by Sierra Pacific Power. In 2011 the CPUC approved CalPeco's acquisition of the California electric distribution facilities and the Kings Beach Generating Station that were previously owned and operated by Sierra Pacific Power Company. See http://www.libertyutilities.com/west/documents/recent_filings/GRC_Application_12-02-014.pdf
2. These are the default GHG emission rates associated with the consumption of electricity produced by Sierra Pacific Power Company in 2008, as provided by CalEEMod V2.2 (listed below), Appendix D. Sierra Pacific's generation and distribution assets are now owned and operated by California Pacific Electric Company (CalPeco). These factors are for 2008.

Source

1. South Coast Air Quality Management District. 2011. California Emissions Estimator Model (CalEEMod) Version 2011.1.1. Available at http://www.caleemod.com.
2. www.connectutilities.com/directory/services/SierraPacificPowerCo.html
3. www.energy.ca.gov/maps/serviceareas/electric_service_areas.html

Other Emission Factors to Consider

GHG Emission Factors for PG&E

year	lb CO2/MW-hr	MT CO2/MW-hr
2010	445	0.202
2020	290	0.131

Source: pge_ghg_emission_factor_info_sheet

RPS Progress for CalPeco

year	total MW-hr	renewable MW-hr	% renewable
2011	593,434	124,129	20.9%
2012	545,400	122,593	22.5%
2013	556387	120694	21.7%

Source: 2013_Annual_33_RPS_Compliance_Report_Liberty Utilities (CalPeco) LLC

GHG Emission Factors for the CAMX Electricity Market Module Region

	year	CO2 emission factor (lb CO2/MW-hr)	CH4 emission factor (lb CO2/MW-hr)	N2O emission factor (lb CO2/MW-hr)
CAMX	2010	610.82	0.02849	0.00603

Source: http://www.epa.gov/cleanenergy/documents/egridzips/eGRID_9th_edition_V1-0_year_2010_GHG_Rates.pdf
http://www.epa.gov/climateleadership/documents/emission-factors.pdf

Emissions from Propane Combustion - CAPs and GHGs

Propane Consumption

	value	units	source
Net increase in monthly propane consumption			
winter months	405,386	gal/month	MacKay & Somps 2015:20
summer months	203,794	gal/month	MacKay & Somps 2015:20
minimum days per winter month	28	days/month	calendar
minimum days per summer month	30	days/month	calendar
volume conversion rate	1,000	gal/1,000 gal	math
Average daily propane consumption			
winter months	14.5	1,000 gal/day	calculation with volume conversion
summer months	6.8	1,000 gal/day	calculation with volume conversion
Facor for peak daily consumption level	1.25	%	assumption, See Note 1
Maxium daily propane consumption			
winter	18.10	1,000 gal/day	calculation
summer months	8.49	1,000 gal/day	calculation
Annual propane consumption (net increase)	3,453,030	gal/year	MacKay & Somps 2015:20
volume conversion rate	0.264	gallon/liter	wksht: Conversion Rates
net annual consumption	13,071,140	L/year	conversion calculation

	value	units	source
Emission Factor for NOx	0.0232	lb/MMBtu	John Finnell of PCAPCD by phone on 2014/09/26
heat conversion rate	1,000,000	Btu/MMBtu	math
heat content of propane	2,750	Btu/cu. Ft.	http://www.exothink.com/Pages/btu.html
volume conversion rate	35.65	gal/cu. Ft.	Soruce 2
volume conversion rate	1,000	gal/1,000 gal	math
Emission Factor for NOx	2.27	lb/1,000 gal	conversion calculation

Emission Factors for CAPs and Precursors

CAP or Precursor	emission factor	units	source
NOx	2.27	lb/1,000 gal	above conversio calculation
ROG	1.0	lb/1,000 gal	Source 3
PM10	0.2	lb/1,000 gal	Source 3
PM2.5	0.2	lb/1,000 gal	Source 3

Daily Emissions of CAPs and Precursors

CAP or Precursor	max. daily emissions @ full buidout winter	@ full buidout summer	@ 20%buidout winter	@ 20%buidout summer	units	source
NOx	41.2	19.3	8.2	3.9	lb/day	calculation
ROG	18.1	8.5	3.6	1.7	lb/day	calculation
PM10	3.6	1.7	0.7	0.3	lb/day	calculation
PM2.5	3.6	1.7	0.7	0.3	lb/day	calculation

	value	units	source
Max. portion of VSVSP operational in 2017	20%	%	wksht: VSVSP Parameters

GHG Emissions from Propane Combustion

	CO2	CH4	N2O	units	source
GHG emission factors	5.59	0.027	0.108	kg/gal for CO2, g/L for CH4 & N2O	Source 4
GHG emissions @ full buildout in 237	19,302	0.4	1.4	MT/year	calculation
global warming potential (100 year)	1	25	298	unitless	wksht: Electricity GHG Emfacs

	value	units	source
mass conversion rate	1,000	kg/MT	wksht: Conversion Rates
mass conversion rate	1,000,000	g/MT	wksht: Conversion Rates
Annual CO2e emissions @ full buildout	19,732	MT/year	sumproduct calculation
Percent reduction in electricity consumption due to new efficiency requirements in the Title 24 Building Code developed under AB 32	25%	%	Source 6
Total Annual Electricity Consumption upon Full Buildout under Business-As-Usual Scenario	26,309	MT/year	calculation

Notes

1 It is assumed that peak daily consumption rate would be approximately 25% greater than the average daily consumption rate during both winter and summer due to variability in the level of occupancy and propane demand for space and water heating.

Sources

1 MacKay & Somps. 2015 (January 27). *Dry Utility Master Plan - Village as Squaw Valley Specific Plan*.

2 Liquefied Gas Conversion Chart. Available at http://www.oregon.gov/osp/SFM/docs/cr2k/cr2k_general/gasconversionchartpublic.pdf. Accesed November 21, 2014.

3 U.S. Environmental Protection Agency. 2008 (July). Emission Factors & AP 42, Compilation of Air Pollutant Emission Factors. Section 1.5, Liquefied Petroleum Gas Combustion. Available at: http://www.epa.gov/ttn/chief/ap42/ch01/final/ c01s05.pdf. Accessed September 2014.

4 Climate Registry, The. 2014 (April 11). 2014 Climate Registry Default Emission Factors. Available at http://www.theclimateregistry.org/downloads/2014/04/2014-Climate-Registry-Default-Emissions-Factors.pdf. Accessed October 13, 2014. (See Table 13.1 on p.17 and Table 12.4 on p.10.

5 Finnell, John. Manager, Permitting & Engineering. Placer County Air Pollution Control District, Auburn, CA. September 26, 2014—telephone conversation with Austin Kerr of Ascent Environmental regarding how to estimate emissions of criteria air pollutant and precursors from propane combustion used for space and water heating and snow melting in Squaw Valley.

6 Green, Angel. Associate Planner. Placer County Air Pollution Control District, Auburn, CA. November 13, 2014—e-mail correspondence with Austin Kerr of Ascent Environmental regarding assumptions and methods for estimating GHG emissiosn for the Business-As-Usual Scenario.

GHGs Associated with Water Consumption

Depths of Existing and New Wells Operated by the Squaw Valley Public Service District (SVPSD) at Full Buildout of the Specific Plan

Well ID	Maximum Saturted Thickness (ft.)	Depth (ft)
1RR	162	177
2R	80	95
3	134	149
5R	131	146
07/11	99	114
09/14	110	125
10/12	115	130
15/07	115	130
15/09	133	148
16/10	136	151
23/12	123	138
38/54	137	152
45/53	142	157
Average	124	139

GHG Emissions Associated with Water Consumption at Full Buildout - For both the Proposed Project and Business-As-Usual Scenario (See Note 2)

	value	units	sources/notes
water consumption, annual	234	acre-feet/year	Source 4, p. ES-4
volume conversion rate	325,851	gal/acre-foot	wksht: Conversion Rates
volume conversion rate	1,000,000	gal/1 million gal	wksht: Conversion Rates
annual water consumption	76	MG/year	conversion calculation
electricity consumption rate	4.45	kW-hr/MG/foot (depth)	Source 1, p. 40
Annual electricity consumption	42,205	kW-hr/year	calculation
electricity conversion rate	1,000	kW-hr/MW-hr	wksht: Conversion Rates
Annual electricity consumption	42	MW-hr	conversion calculation
CO2-e emission factor during 2008	0.60	MT/MW-hr	wksht: Electricity GHG Emfacs
CO2-e Emissions, annual	25	MT/year	calculation

Notes

1. Values for the Maximum Saturated Thickness are from Table 6-1 of the Water Supply Assessment (July 3, 2014)
2. Well Depth is assumed by Sean Bechta of Ascent Environmental to be approximately 15 feet greater than the Maximum Saturated Thickness.
3. Because the availability of ground water is limited in Olympic Valley it is assumed that the level of water consumption would be the same under the building-as-usual scenario as estimated in the Water Supply Assessment (Farr West Engineering, Hydrometrics WRI, and Todd Groundwater 2014).
4. These are the default GHG emission rates associated with the consumption of electricity produced by Sierra Pacific Power Company, as provided by CalEEMod V2.2 (listed below). Sierra Pacific's generation and distribution assets are now owned and operated by California Pacific Electric Company (CalPeco).
5. Because projected GHG emission factors for CalPeco or Sierra Pacific Power are not currently available it is assumed that the emission factors would be the same for the 2020 comparison year and the full buildout year of 2037 as the 2008 emission factor provided for Sierra Pacific Power in CalEEMod.

Source

1. California Energy Commission. 2006 (December). Refining Estimates of Water-Related Energy Use in California. Sacramento, CA. CEC-500-2006-118. Available at http://www.energy.ca.gov/pier/project_reports/CEC-500-2006-118.html. Accessed May 3, 2012.
2. South Coast Air Quality Management District. 2014. California Emissions Estimator Model (CalEEMod) Version 2013.2. Available at http://www.caleemod.com.
3. The Climate Registry. 2014. Default Emission Factors. Available at http://www.theclimateregistry.org/resources/protocols/general-reporting-protocol/#jump2. Accessed October 7, 2014.
4. Farr West Engineering, Hydrometrics WRI, and Todd Groundwater. 2014 (July 3). *Village at Squaw Valley Specific Plan Water Supply Assessment* . Prepared for Placer County and Squaw Valley Public Service District.

GHGs Associated with Treatment of Wastewater Generated by VSVSP

At Full Buildout as early as 2037

	value	units	sources/notes
wastewater generation, avg daily	0.350	MG/day	Source 1, Table 1 on p. 5
time conversion	365	days/year	The Sun
wastewater generation, annual	128	MG/year	conversion calculation
electricity intensity factor for WW treatment	1,911	kw-hr/MG	Source 2, Water and Wastewater Window
Annual electricity consumption	244,130	kw-hr/year	calculation
electricity conversion rate	1,000	kW-hr/MW-hr	wksht: Unit Conversions
Annual electricity consumption	244	MW-hr/year	conversion calculation
CO2-e emission factor during 2008	0.60	MT/MW-hr	wksht: Electricity GHG Emfacs
CO2-e Emissions, annual	147	MT/year	calculation

Source

1 MacKay & Somps. 2014 (March 21). *Technical Memorandum No. 2: Updated Sewer Study.*

2 South Coast Air Quality Management District. 2014. California Emissions Estimator Model (CalEEMod) Version 2013.2. Available at http://www.caleemod.com.

Notes

1 Because the availability of ground water is limited in Olympic Valley it is assumed that the level of water consumption would be the same under the building-as-usual scenario as estimated in the Water Supply Assessment (Farr West Engineering, Hydrometrics WRI, and Todd Groundwater 2014). It is also assumed that that the volume of wastewater generated would be the same.

2 These are the default GHG emission rates associated with the consumption of electricity produced by Sierra Pacific Power Company, as provided by CalEEMod V2.2 (listed below). Sierra Pacific's generation and distribution assets are now owned and operated by California Pacific Electric Company (CalPeco).

Loss in Carbon Sequestration

Data Provided by Biological Resources Analysis

Land Cover	Impact Acres	CalEEMod Vegetation Type	CalEEMod Vegetation Subtype
Alderleaf Coffeeberry Scrub	0.03	Forestland	Scrub
Alderleaf Coffeeberry Scrub	0	Forestland	Scrub
Alderleaf Coffeeberry Scrub	0.02	Forestland	Scrub
Alderleaf Coffeeberry Scrub	0.05	Forestland	Scrub
Sagebrush Scrub	0.01	Forestland	Scrub
Sagebrush Scrub	0.02	Forestland	Scrub
Sagebrush Scrub	0.75	Forestland	Scrub
Sagebrush Scrub	0.07	Forestland	Scrub
Sagebrush Scrub	1.06	Forestland	Scrub
Seasonal Wetland/Willow Scrub	0.26	Forestland	Scrub
Seasonal Wetland/Willow Scrub	0.04	Forestland	Scrub
Wet Meadow/Willow Scrub	0.03	Forestland	Scrub
Wetland Swale/Willow Alder Scrub	0.06	Forestland	Scrub
Willow Alder Scrub	0.01	Forestland	Scrub
Willow Alder Scrub	0.05	Forestland	Scrub
Willow Scrub	0.01	Forestland	Scrub
Willow Scrub	0.04	Forestland	Scrub
Mixed Confier Forest	1.01	Forestland	Trees
Mixed Conifer Forest	0.14	Forestland	Trees
Mixed Conifer Forest	1.27	Forestland	Trees
Mixed Conifer Forest	0.44	Forestland	Trees
Mixed Conifer Forest	1.4	Forestland	Trees
Mixed Conifer Forest	0.28	Forestland	Trees
Mixed Conifer Forest	0.23	Forestland	Trees
Mixed Conifer Forest	0.27	Forestland	Trees
Mixed Conifer Forest	0.43	Forestland	Trees
Mixed Conifer Forest	0.22	Forestland	Trees
Mixed Conifer Forest	0.3	Forestland	Trees
Mixed Conifer Forest	0	Forestland	Trees
Mixed Conifer Forest	0.05	Forestland	Trees
Mixed Conifer Forest	0.8	Forestland	Trees
Mixed Conifer Forest	0.15	Forestland	Trees
Mixed Conifer Forest	0.04	Forestland	Trees
Mixed Conifer Forest	0.55	Forestland	Trees
Mixed Conifer Forest	0.01	Forestland	Trees
Mixed Conifer Forest	0.01	Forestland	Trees
Mixed Conifer Forest	0.08	Forestland	Trees
Mixed Conifer Forest	0.85	Forestland	Trees
Mixed Conifer Forest	0.2	Forestland	Trees
Mixed Conifer Forest	2.97	Forestland	Trees
Meadow	0.15	Grassland	Grassland
Meadow	0.81	Grassland	Grassland
Meadow	0.23	Grassland	Grassland
Meadow	1.18	Grassland	Grassland

Loss in Carbon Sequestration

Data Provided by Biological Resources Analysis

Land Cover	Impact Acres	CalEEMod Vegetation Type	CalEEMod Vegetation Subtype
Meadow	0.6	Grassland	Grassland
Meadow	1.77	Grassland	Grassland
Wet Meadow	0	Grassland	Grassland
Wet Meadow	0.06	Grassland	Grassland
Wet Meadow	0.27	Grassland	Grassland
Wet Meadow	0.61	Grassland	Grassland
Seasonal Wetland	0.05	Wetlands	Wetlands
Seasonal Wetland	0	Wetlands	Wetlands
Seasonal Wetland	0.06	Wetlands	Wetlands
Wetland Swale	0.01	Wetlands	Wetlands
Wetland Swale	0.3	Wetlands	Wetlands
Wetland Swale	0.09	Wetlands	Wetlands
Wetland Swale	0	Wetlands	Wetlands
Wetland Swale	0.03	Wetlands	Wetlands
Wetland Swale	0.02	Wetlands	Wetlands
Wetland Swale	0.03	Wetlands	Wetlands

Source: The areas of disturbance broken down by vegetation type were estimated as part of the biological impact analysis.

Crosscheck 20.48

Note: Note 42 from CalEEMod User's Tips (April 2014) is applicable to the Vegetation module and estimation of carbon sequestration. Note 42 states, "The output report for Vegetation identifies the CO2e emissions reductions (or increases) in units of metric tons, not metric tons per year. To ascertain the annual amount of emissions, the user should divide the total metric tons by the anticipated life of the project. June 2011"

Values Input to CalEEMod's Vegetation Module

VegetationType	Vegetation Subtype	Subtotals
Forestland	Scrub	**2.51**
Forestland	Trees	**11.7**
Grassland	Grassland	**5.68**
Wetlands	Wetlands	**0.59**
Source: Subtotals based on previous table.		20.48
		crosscheck okay

CalEEMod Output	value	units	source
Carbon sequestration loss	1,602	CO2e MT	CalEEMod Run
Operational Years of project	40	years	assumption
Annual Carbon sequestration loss at full buildout in 2037	40.0	CO2e MT/yr	amortization

Note: It is assumed that the loss in carbon sequestration would be the same in the Building-As-Usual Scenario, the 2020 Comparison Year, and in 2035.

Conversion Rates

Global Warming Potential	value	units	source
CO2	1	unitless	by definition
CH4	25	unitless	The Climate Registry. 2014. Default Emission Factors. Table B.1, p. 43. Available at http://www.theclimateregistry.org/resources/protocols/general-reporting-protocol/#jump2. Accessed October 7, 2014.
N2O	298	unitless	

Mass Conversion Rates

value	units	source
1,000	kg/MT	onlineconversion.com
1,000,000	g/MT	onlineconversion.com
2,000	lb/ton	onlineconversion.com
2,204.62	lb/MT	onlineconversion.com
453.59237	g/lb	onlineconversion.com
1.1023	ton/MT	onlineconversion.com
2.204622622	lb/kg	onlineconversion.com
2,204.62	lb/MT	onlineconversion.com
907,184.74	g/ton	onlineconversion.com
453,592.37	mg/lb	onlineconversion.com
907,184,740	mg/ton	onlineconversion.com
1,000,000,000	mg/MT	onlineconversion.com
907.18	kg/ton	onlineconversion.com

Time Conversions Rates

rate	units	source
60	min/hr	Walter Cronkite

Energy Conversions Rates

value	units	source
100,000	Btu/therm (U.S.)	definition
3,412	Btu/kWh	onlineconversion.com/energy.htm
1,000,000	Btu/MMBtu	definition

Electricity/Power Conversion Rates

value	units	source
1,000	kW-hr/MW-hr	onlineconversion.com/energy.htm
1.3405	hp/kW	onlineconversion.com/power.htm
1,340.5	hp/MW	onlineconversion.com/power.htm
1,000	kW/MW	onlineconversion.com/power.htm

Volume - Gas

	units	sources
38.04	scf/Nm3	http://www.keengas.com/technical-tips/conversion-data.htm http://www.ohsuk.com/unitconversion.php; http://www.smithequipment.com/products/specgas/page32.pdf http://www.smithequipment.com/products/specgas/page32.pdf ideal gas law

Volume - Liquid

	units	source
0.264	gallon/liter	onlineconversion.com/volume.htm
1,000,000	gal/1 million gal	math
325,851.43	gal/acre-foot	onlineconversion.com/volume.htm

Village at Squaw Construction

Mountain Counties Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	3.22	Acre	3.22	140,263.20	0
Other Asphalt Surfaces	7.61	Acre	7.61	331,491.60	0
Parking Lot	10.67	Acre	10.67	464,785.20	0
Apartments Mid Rise	21.00	Dwelling Unit	0.65	31,071.00	60
Condo/Townhouse	31.00	Dwelling Unit	9.70	103,000.00	89
Condo/Townhouse High Rise	744.00	Dwelling Unit	17.81	1,258,958.00	2128
User Defined Retail	75.00	User Defined Unit	7.43	335,708.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	8
Climate Zone	14			**Operational Year**	2017
Utility Company	Sierra Pacific Resources				
CO2 Intensity (lb/MWhr)	1328.16	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - http://www.laketahoenews.net/2011/01/power-on-california-side-of-tahoe-no-longer-provided-by-sierra-pacific-power/

Land Use - Project-specific data, condensed from Table 1 in kickoff packet.

Construction Phase - See worksheet with notes about phasing.

Off-road Equipment -

Off-road Equipment - Cranes may be used when construction the taller buildings.

Off-road Equipment - Added equipment is used for the repurposing of asphalt, including an Ashalt Planer (asphalt mill), a CAT PM-201 Cold Planer, represented by a crawler tractor.

Off-road Equipment -

Off-road Equipment -

Demolition - existing buildings and parking lots

Energy Use -

Operational Off-Road Equipment - no reason

Architectural Coating - The Interior and Exterior areas were adjusted to reflect the land use amounts in the project description.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	410,703.00	111,903.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,232,110.00	335,708.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	940,295.00	464,343.00
tblArchitecturalCoating	ConstArea_Residential_Interior	2,820,884.00	1,393,029.00
tblConstructionPhase	NumDays	75.00	314.00
tblConstructionPhase	NumDays	1,110.00	314.00
tblConstructionPhase	NumDays	70.00	144.00
tblConstructionPhase	NumDays	110.00	144.00
tblConstructionPhase	NumDays	75.00	144.00
tblConstructionPhase	NumDays	40.00	144.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	1/2/2018	12/31/2016
tblConstructionPhase	PhaseEndDate	6/17/2017	10/15/2016
tblConstructionPhase	PhaseEndDate	4/1/2017	10/15/2016
tblConstructionPhase	PhaseEndDate	4/1/2017	10/15/2016
tblConstructionPhase	PhaseEndDate	4/1/2017	10/15/2016
tblConstructionPhase	PhaseStartDate	1/1/2017	1/1/2016
tblConstructionPhase	PhaseStartDate	1/1/2017	5/1/2016
tblConstructionPhase	PhaseStartDate	10/16/2016	5/1/2016
tblConstructionPhase	PhaseStartDate	10/16/2016	5/1/2016
tblConstructionPhase	PhaseStartDate	10/16/2016	5/1/2016
tblLandUse	LandUseSquareFeet	21,000.00	31,071.00
tblLandUse	LandUseSquareFeet	31,000.00	103,000.00
tblLandUse	LandUseSquareFeet	744,000.00	1,258,958.00
tblLandUse	LandUseSquareFeet	0.00	335,708.00
tblLandUse	LotAcreage	0.55	0.65
tblLandUse	LotAcreage	1.94	9.70
tblLandUse	LotAcreage	11.63	17.81
tblLandUse	LotAcreage	0.00	7.43
tblProjectCharacteristics	OperationalYear	2014	2017
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	160.9633	266.5969	336.8358	0.4735	31.4043	12.8557	44.2600	10.7118	11.9074	22.6192	0.0000	44,012.4802	44,012.4802	6.7696	0.0000	44,154.6428
Total	**160.9633**	**266.5969**	**336.8358**	**0.4735**	**31.4043**	**12.8557**	**44.2600**	**10.7118**	**11.9074**	**22.6192**	**0.0000**	**44,012.4802**	**44,012.4802**	**6.7696**	**0.0000**	**44,154.6428**

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					
2016	160.9434	266.3874	336.6885	0.4733	36.7742	12.8445	49.6186	12.0299	11.8970	23.9269	0.0000	43,994.2814	43,994.2814	6.7644	0.0000	44,136.3348
Total	**160.9434**	**266.3874**	**336.6885**	**0.4733**	**36.7742**	**12.8445**	**49.6186**	**12.0299**	**11.8970**	**23.9269**	**0.0000**	**43,994.2814**	**43,994.2814**	**6.7644**	**0.0000**	**44,136.3348**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.01**	**0.08**	**0.04**	**0.04**	**-17.10**	**0.09**	**-12.11**	**-12.30**	**0.09**	**-5.78**	**0.00**	**0.04**	**0.04**	**0.08**	**0.00**	**0.04**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,294.4534	17.3009	1,567.0272	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3276	31,495.6253	20.5192	1.7388	32,465.5646
Energy	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
Mobile	116.0846	96.3541	384.7504	0.6825	43.3161	1.2728	44.5889	11.5887	1.1699	12.7586		58,409.8134	58,409.8134	2.6175		58,464.7815
Total	**1,410.6982**	**115.0238**	**1,952.3601**	**1.2809**	**43.3161**	**212.5807**	**255.8969**	**11.5887**	**212.4717**	**224.0604**	**22,106.2977**	**69,546.4612**	**91,652.7589**	**23.1702**	**1.7709**	**92,688.3002**

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	1,294.4534	17.3009	1,567.0272	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3276	31,495.6253	20.5192	1.7388	32,465.5646
Energy	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
Mobile	116.0846	96.3541	384.7504	0.6825	43.3161	1.2728	44.5889	11.5887	1.1699	12.7586		58,409.8134	58,409.8134	2.6175		58,464.7815
Total	**1,410.6982**	**115.0238**	**1,952.3601**	**1.2809**	**43.3161**	**212.5807**	**255.8969**	**11.5887**	**212.4717**	**224.0604**	**22,106.2977**	**69,546.4612**	**91,652.7589**	**23.1702**	**1.7709**	**92,688.3002**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2016	12/31/2016	6	314	
2	Architectural Coating	Architectural Coating	1/1/2016	12/31/2016	6	314	
3	Demolition	Demolition	5/1/2016	10/15/2016	6	144	
4	Site Preparation	Site Preparation	5/1/2016	10/15/2016	6	144	
5	Grading	Grading	5/1/2016	10/15/2016	6	144	
6	Paving	Paving	5/1/2016	10/15/2016	6	144	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 0

Residential Indoor: 1,393,029; Residential Outdoor: 464,343; Non-Residential Indoor: 335,708; Non-Residential Outdoor: 111,903

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	1,074.00	294.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	409.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	215.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2016

Unmitigated Construction On-Site

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

3.2 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.7013	26.1912	42.1346	0.0638	1.7627	0.4530	2.2157	0.5028	0.4162	0.9189		6,374.9576	6,374.9576	0.0543		6,376.0981
Worker	34.7259	8.9252	105.6218	0.1700	13.7182	0.1193	13.8375	3.6379	0.1087	3.7466		13,920.0431	13,920.0431	0.8284		13,937.4394
Total	**44.4272**	**35.1163**	**147.7564**	**0.2338**	**15.4810**	**0.5722**	**16.0532**	**4.1407**	**0.5249**	**4.6656**		**20,295.0007**	**20,295.0007**	**0.8827**		**20,313.5375**

Mitigated Construction On-Site

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

3.2 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.7013	26.1912	42.1346	0.0638	1.7627	0.4530	2.2157	0.5028	0.4162	0.9189		6,374.9576	6,374.9576	0.0543		6,376.0981
Worker	34.7259	8.9252	105.6218	0.1700	13.7182	0.1193	13.8375	3.6379	0.1087	3.7466		13,920.0431	13,920.0431	0.8284		13,937.4394
Total	**44.4272**	**35.1163**	**147.7564**	**0.2338**	**15.4810**	**0.5722**	**16.0532**	**4.1407**	**0.5249**	**4.6656**		**20,295.0007**	**20,295.0007**	**0.8827**		**20,313.5375**

3.3 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	85.0605					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	**85.4289**	**2.3722**	**1.8839**	**2.9700e-003**		**0.1966**	**0.1966**		**0.1966**	**0.1966**		**281.4481**	**281.4481**	**0.0332**		**282.1449**

3.3 Architectural Coating - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	6.9516	1.7867	21.1440	0.0340	2.7462	0.0239	2.7701	0.7283	0.0218	0.7500		2,786.6008	2,786.6008	0.1658		2,790.0833
Total	**6.9516**	**1.7867**	**21.1440**	**0.0340**	**2.7462**	**0.0239**	**2.7701**	**0.7283**	**0.0218**	**0.7500**		**2,786.6008**	**2,786.6008**	**0.1658**		**2,790.0833**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	85.0605					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3681	2.3701	1.8822	2.9700e-003		0.1964	0.1964		0.1964	0.1964	0.0000	281.1898	281.1898	0.0332		281.8860
Total	**85.4286**	**2.3701**	**1.8822**	**2.9700e-003**		**0.1964**	**0.1964**		**0.1964**	**0.1964**	**0.0000**	**281.1898**	**281.1898**	**0.0332**		**281.8860**

3.3 Architectural Coating - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	6.9516	1.7867	21.1440	0.0340	2.7462	0.0239	2.7701	0.7283	0.0218	0.7500		2,786.6008	2,786.6008	0.1658		2,790.0833
Total	**6.9516**	**1.7867**	**21.1440**	**0.0340**	**2.7462**	**0.0239**	**2.7701**	**0.7283**	**0.0218**	**0.7500**		**2,786.6008**	**2,786.6008**	**0.1658**		**2,790.0833**

3.4 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6152	0.0000	0.6152	0.0932	0.0000	0.0932			0.0000			0.0000
Off-Road	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365		4,089.2841	4,089.2841	1.1121		4,112.6374
Total	**4.2876**	**45.6559**	**35.0303**	**0.0399**	**0.6152**	**2.2921**	**2.9074**	**0.0932**	**2.1365**	**2.2297**		**4,089.2841**	**4,089.2841**	**1.1121**		**4,112.6374**

3.4 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2842	0.7624	0.7668	2.1200e-003	0.0494	0.0120	0.0615	0.0135	0.0111	0.0246		213.1541	213.1541	1.5400e-003		213.1865
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4850	0.1247	1.4752	2.3700e-003	0.1916	1.6700e-003	0.1933	0.0508	1.5200e-003	0.0523		194.4140	194.4140	0.0116		194.6570
Total	**0.7692**	**0.8870**	**2.2420**	**4.4900e-003**	**0.2410**	**0.0137**	**0.2547**	**0.0643**	**0.0126**	**0.0769**		**407.5681**	**407.5681**	**0.0131**		**407.8434**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6152	0.0000	0.6152	0.0932	0.0000	0.0932			0.0000			0.0000
Off-Road	4.2837	45.6140	34.9982	0.0399		2.2900	2.2900		2.1346	2.1346	0.0000	4,085.5324	4,085.5324	1.1110		4,108.8642
Total	**4.2837**	**45.6140**	**34.9982**	**0.0399**	**0.6152**	**2.2900**	**2.9053**	**0.0932**	**2.1346**	**2.2277**	**0.0000**	**4,085.5324**	**4,085.5324**	**1.1110**		**4,108.8642**

3.4 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2842	0.7624	0.7668	2.1200e-003	5.4193	0.0120	5.4314	1.3316	0.0111	1.3427		213.1541	213.1541	1.5400e-003		213.1865
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4850	0.1247	1.4752	2.3700e-003	0.1916	1.6700e-003	0.1933	0.0508	1.5200e-003	0.0523		194.4140	194.4140	0.0116		194.6570
Total	**0.7692**	**0.8870**	**2.2420**	**4.4900e-003**	**5.6109**	**0.0137**	**5.6246**	**1.3824**	**0.0126**	**1.3950**		**407.5681**	**407.5681**	**0.0131**		**407.8434**

3.5 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0184	0.0000	5.0184	2.7585	0.0000	2.7585			0.0000			0.0000
Off-Road	5.0771	54.6323	41.1053	0.0391		2.9387	2.9387		2.7036	2.7036		4,065.0053	4,065.0053	1.2262		4,090.7544
Total	**5.0771**	**54.6323**	**41.1053**	**0.0391**	**5.0184**	**2.9387**	**7.9571**	**2.7585**	**2.7036**	**5.4621**		**4,065.0053**	**4,065.0053**	**1.2262**		**4,090.7544**

3.5 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5820	0.1496	1.7702	2.8500e-003	0.2299	2.0000e-003	0.2319	0.0610	1.8200e-003	0.0628		233.2968	233.2968	0.0139		233.5884
Total	**0.5820**	**0.1496**	**1.7702**	**2.8500e-003**	**0.2299**	**2.0000e-003**	**0.2319**	**0.0610**	**1.8200e-003**	**0.0628**		**233.2968**	**233.2968**	**0.0139**		**233.5884**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.0184	0.0000	5.0184	2.7585	0.0000	2.7585			0.0000			0.0000
Off-Road	5.0724	54.5822	41.0676	0.0391		2.9360	2.9360		2.7011	2.7011	0.0000	4,061.2758	4,061.2758	1.2250		4,087.0014
Total	**5.0724**	**54.5822**	**41.0676**	**0.0391**	**5.0184**	**2.9360**	**7.9544**	**2.7585**	**2.7011**	**5.4596**	**0.0000**	**4,061.2758**	**4,061.2758**	**1.2250**		**4,087.0014**

3.5 Site Preparation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5820	0.1496	1.7702	2.8500e-003	0.2299	2.0000e-003	0.2319	0.0610	1.8200e-003	0.0628		233.2968	233.2968	0.0139		233.5884
Total	**0.5820**	**0.1496**	**1.7702**	**2.8500e-003**	**0.2299**	**2.0000e-003**	**0.2319**	**0.0610**	**1.8200e-003**	**0.0628**		**233.2968**	**233.2968**	**0.0139**		**233.5884**

3.6 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6255	0.0000	6.6255	2.7473	0.0000	2.7473			0.0000			0.0000
Off-Road	6.4795	74.8137	49.1374	0.0617		3.5842	3.5842		3.2975	3.2975		6,414.9807	6,414.9807	1.9350		6,455.6154
Total	**6.4795**	**74.8137**	**49.1374**	**0.0617**	**6.6255**	**3.5842**	**10.2097**	**2.7473**	**3.2975**	**6.0448**		**6,414.9807**	**6,414.9807**	**1.9350**		**6,455.6154**

3.6 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6467	0.1662	1.9669	3.1700e-003	0.2555	2.2200e-003	0.2577	0.0678	2.0200e-003	0.0698		259.2187	259.2187	0.0154		259.5426
Total	**0.6467**	**0.1662**	**1.9669**	**3.1700e-003**	**0.2555**	**2.2200e-003**	**0.2577**	**0.0678**	**2.0200e-003**	**0.0698**		**259.2187**	**259.2187**	**0.0154**		**259.5426**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6255	0.0000	6.6255	2.7473	0.0000	2.7473			0.0000			0.0000
Off-Road	6.4735	74.7451	49.0923	0.0617		3.5810	3.5810		3.2945	3.2945	0.0000	6,409.0953	6,409.0953	1.9332		6,449.6927
Total	**6.4735**	**74.7451**	**49.0923**	**0.0617**	**6.6255**	**3.5810**	**10.2064**	**2.7473**	**3.2945**	**6.0418**	**0.0000**	**6,409.0953**	**6,409.0953**	**1.9332**		**6,449.6927**

3.6 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6467	0.1662	1.9669	3.1700e-003	0.2555	2.2200e-003	0.2577	0.0678	2.0200e-003	0.0698		259.2187	259.2187	0.0154		259.5426
Total	**0.6467**	**0.1662**	**1.9669**	**3.1700e-003**	**0.2555**	**2.2200e-003**	**0.2577**	**0.0678**	**2.0200e-003**	**0.0698**		**259.2187**	**259.2187**	**0.0154**		**259.5426**

3.7 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0898	22.3859	14.8176	0.0223		1.2610	1.2610		1.1601	1.1601		2,316.3767	2,316.3767	0.6987		2,331.0495
Paving	0.3326					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4224**	**22.3859**	**14.8176**	**0.0223**		**1.2610**	**1.2610**		**1.1601**	**1.1601**		**2,316.3767**	**2,316.3767**	**0.6987**		**2,331.0495**

3.7 Paving - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4850	0.1247	1.4752	2.3700e-003	0.1916	1.6700e-003	0.1933	0.0508	1.5200e-003	0.0523		194.4140	194.4140	0.0116		194.6570
Total	**0.4850**	**0.1247**	**1.4752**	**2.3700e-003**	**0.1916**	**1.6700e-003**	**0.1933**	**0.0508**	**1.5200e-003**	**0.0523**		**194.4140**	**194.4140**	**0.0116**		**194.6570**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0879	22.3654	14.8040	0.0223		1.2598	1.2598		1.1590	1.1590	0.0000	2,314.2516	2,314.2516	0.6981		2,328.9109
Paving	0.3326					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4204**	**22.3654**	**14.8040**	**0.0223**		**1.2598**	**1.2598**		**1.1590**	**1.1590**	**0.0000**	**2,314.2516**	**2,314.2516**	**0.6981**		**2,328.9109**

3.7 Paving - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4850	0.1247	1.4752	2.3700e-003	0.1916	1.6700e-003	0.1933	0.0508	1.5200e-003	0.0523		194.4140	194.4140	0.0116		194.6570
Total	**0.4850**	**0.1247**	**1.4752**	**2.3700e-003**	**0.1916**	**1.6700e-003**	**0.1933**	**0.0508**	**1.5200e-003**	**0.0523**		**194.4140**	**194.4140**	**0.0116**		**194.6570**

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	116.0846	96.3541	384.7504	0.6825	43.3161	1.2728	44.5889	11.5887	1.1699	12.7586		58,409.8134	58,409.8134	2.6175		58,464.7815
Unmitigated	116.0846	96.3541	384.7504	0.6825	43.3161	1.2728	44.5889	11.5887	1.1699	12.7586		58,409.8134	58,409.8134	2.6175		58,464.7815

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	138.39	150.36	127.47	494,881	494,881
Condo/Townhouse	204.29	221.96	188.17	730,539	730,539
Condo/Townhouse High Rise	4,902.96	5,327.04	4516.08	17,532,940	17,532,940
Enclosed Parking Structure	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Retail	0.00	0.00	0.00		
Total	5,245.64	5,699.36	4,831.72	18,758,360	18,758,360

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 Mid Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse High Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Enclosed Parking Structure	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
User Defined Retail	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.381852	0.086091	0.200079	0.163903	0.085749	0.010610	0.015453	0.038109	0.001550	0.000665	0.009389	0.000881	0.005669

4.4 Fleet Mix

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
NaturalGas Unmitigated	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse High Rise	14017.6	0.1512	1.2918	0.5497	8.2500e-003		0.1044	0.1044		0.1044	0.1044		1,649.1285	1,649.1285	0.0316	0.0302	1,659.1648
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other 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
User Defined Retail	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
Apartments Mid Rise	250.564	2.7000e-003	0.0231	9.8300e-003	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4781	29.4781	5.6000e-004	5.4000e-004	29.6575
Condo/Townhouse	584.066	6.3000e-003	0.0538	0.0229	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003		68.7137	68.7137	1.3200e-003	1.2600e-003	69.1319
Total		**0.1602**	**1.3687**	**0.5824**	**8.7400e-003**		**0.1107**	**0.1107**		**0.1107**	**0.1107**		**1,747.3203**	**1,747.3203**	**0.0335**	**0.0320**	**1,757.9542**

5.2 Energy by Land Use - NaturalGas

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					
Condo/Townhouse High Rise	14.0176	0.1512	1.2918	0.5497	8.2500e-003		0.1044	0.1044		0.1044	0.1044		1,649.1285	1,649.1285	0.0316	0.0302	1,659.1648
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other 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
User Defined Retail	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
Apartments Mid Rise	0.250564	2.7000e-003	0.0231	9.8300e-003	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4781	29.4781	5.6000e-004	5.4000e-004	29.6575
Condo/Townhouse	0.584066	6.3000e-003	0.0538	0.0229	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003		68.7137	68.7137	1.3200e-003	1.2600e-003	69.1319
Total		**0.1602**	**1.3687**	**0.5824**	**8.7400e-003**		**0.1107**	**0.1107**		**0.1107**	**0.1107**		**1,747.3203**	**1,747.3203**	**0.0335**	**0.0320**	**1,757.9542**

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	1,294.4534	17.3009	1,567.0272	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3276	31,495.6253	20.5192	1.7388	32,465.5646
Unmitigated	1,294.4534	17.3009	1,567.0272	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3276	31,495.6253	20.5192	1.7388	32,465.5646

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	17.1558					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	57.0369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,218.1944	16.5276	1,500.6847	0.5862		210.8371	210.8371		210.8309	210.8309	22,106.2977	9,271.0588	31,377.3565	20.4004	1.7388	32,344.8022
Landscaping	2.0663	0.7733	66.3426	3.4700e-003		0.3602	0.3602		0.3602	0.3602		118.2688	118.2688	0.1187		120.7623
Total	**1,294.4534**	**17.3009**	**1,567.0272**	**0.5896**		**211.1973**	**211.1973**		**211.1911**	**211.1911**	**22,106.2977**	**9,389.3276**	**31,495.6253**	**20.5192**	**1.7388**	**32,465.5646**

6.2 Area by SubCategory

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	17.1558					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	57.0369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,218.1944	16.5276	1,500.6847	0.5862		210.8371	210.8371		210.8309	210.8309	22,106.2977	9,271.0588	31,377.3565	20.4004	1.7388	32,344.8022
Landscaping	2.0663	0.7733	66.3426	3.4700e-003		0.3602	0.3602		0.3602	0.3602		118.2688	118.2688	0.1187		120.7623
Total	**1,294.4534**	**17.3009**	**1,567.0272**	**0.5896**		**211.1973**	**211.1973**		**211.1911**	**211.1911**	**22,106.2977**	**9,389.3276**	**31,495.6253**	**20.5192**	**1.7388**	**32,465.5646**

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

10.0 Vegetation

Village at Squaw Construction

Mountain Counties Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	3.22	Acre	3.22	140,263.20	0
Other Asphalt Surfaces	7.61	Acre	7.61	331,491.60	0
Parking Lot	10.67	Acre	10.67	464,785.20	0
Apartments Mid Rise	21.00	Dwelling Unit	0.65	31,071.00	60
Condo/Townhouse	31.00	Dwelling Unit	9.70	103,000.00	89
Condo/Townhouse High Rise	744.00	Dwelling Unit	17.81	1,258,958.00	2128
User Defined Retail	75.00	User Defined Unit	7.43	335,708.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	8
Climate Zone	14			**Operational Year**	2017
Utility Company	Sierra Pacific Resources				
CO2 Intensity (lb/MWhr)	1328.16	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - http://www.laketahoenews.net/2011/01/power-on-california-side-of-tahoe-no-longer-provided-by-sierra-pacific-power/

Land Use - Project-specific data, condensed from Table 1 in kickoff packet. For the purposes of this model run, estimating construction emissions only, the population estimates are not needed, nor accurate.

Construction Phase - See worksheet with notes about phasing.

Off-road Equipment -

Off-road Equipment - Cranes may be used when construction the taller buildings.

Off-road Equipment - Added equipment is used for the repurposing of asphalt, including an Ashalt Planer (asphalt mill), a CAT PM-201 Cold Planer, represented by a crawler tractor.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - existing buildings and parking lots

Architectural Coating - The Interior and Exterior areas were adjusted to reflect the land use amounts in the project description.

Energy Use -

Land Use Change - Vegetation loss values were provided by Ascents biological impacts analysis (prepared by CF).

Sequestration -

Operational Off-Road Equipment - This equipment is often used at ski resort communities.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	75.00	314.00
tblConstructionPhase	NumDays	1,110.00	314.00
tblConstructionPhase	NumDays	70.00	144.00
tblConstructionPhase	NumDays	110.00	144.00
tblConstructionPhase	NumDays	75.00	144.00
tblConstructionPhase	NumDays	40.00	144.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	1/2/2018	12/31/2016
tblConstructionPhase	PhaseEndDate	6/17/2017	10/15/2016
tblConstructionPhase	PhaseEndDate	4/1/2017	10/15/2016
tblConstructionPhase	PhaseEndDate	4/1/2017	10/15/2016
tblConstructionPhase	PhaseEndDate	4/1/2017	10/15/2016
tblConstructionPhase	PhaseStartDate	1/1/2017	1/1/2016
tblConstructionPhase	PhaseStartDate	1/1/2017	5/1/2016
tblConstructionPhase	PhaseStartDate	10/16/2016	5/1/2016
tblConstructionPhase	PhaseStartDate	10/16/2016	5/1/2016
tblConstructionPhase	PhaseStartDate	10/16/2016	5/1/2016
tblGrading	AcresOfGrading	360.00	275.00
tblLandUse	LandUseSquareFeet	21,000.00	31,071.00
tblLandUse	LandUseSquareFeet	31,000.00	103,000.00
tblLandUse	LandUseSquareFeet	744,000.00	1,258,958.00
tblLandUse	LandUseSquareFeet	0.00	335,708.00
tblLandUse	LotAcreage	0.55	0.65
tblLandUse	LotAcreage	1.94	9.70
tblLandUse	LotAcreage	11.63	17.81
tblLandUse	LotAcreage	0.00	7.43
tblLandUseChange	CO2peracre	14.30	111.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	180.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	180.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	2.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	24.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00

tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	41.7707	25.4481	42.0634	0.0568	4.8385	1.1607	5.9992	1.7544	1.0781	2.8325	0.0000	4,689.5625	4,689.5625	0.5767	0.0000	4,701.6738
Total	**41.7707**	**25.4481**	**42.0634**	**0.0568**	**4.8385**	**1.1607**	**5.9992**	**1.7544**	**1.0781**	**2.8325**	**0.0000**	**4,689.5625**	**4,689.5625**	**0.5767**	**0.0000**	**4,701.6738**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	41.7684	25.4254	42.0476	0.0568	5.2230	1.1595	6.3825	1.8488	1.0769	2.9257	0.0000	4,687.7505	4,687.7505	0.5762	0.0000	4,699.8513
Total	**41.7684**	**25.4254**	**42.0476**	**0.0568**	**5.2230**	**1.1595**	**6.3825**	**1.8488**	**1.0769**	**2.9257**	**0.0000**	**4,687.7505**	**4,687.7505**	**0.5762**	**0.0000**	**4,699.8513**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.01**	**0.09**	**0.04**	**0.04**	**-7.95**	**0.11**	**-6.39**	**-5.38**	**0.11**	**-3.29**	**0.00**	**0.04**	**0.04**	**0.09**	**0.00**	**0.04**

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	63.6721	0.7472	67.4989	0.0243		8.6767	8.6767		8.6765	8.6765	822.2343	354.4893	1,176.7237	0.7685	0.0647	1,212.9110
Energy	0.0292	0.2498	0.1063	1.5900e-003		0.0202	0.0202		0.0202	0.0202	0.0000	3,292.4071	3,292.4071	0.0711	0.0189	3,299.7504
Mobile	19.8705	17.5735	67.7232	0.1081	7.2298	0.2136	7.4434	1.9350	0.1963	2.1313	0.0000	8,413.9676	8,413.9676	0.3979	0.0000	8,422.3225
Offroad	0.0467	0.3413	0.2781	5.3000e-004		0.0183	0.0183		0.0175	0.0175	0.0000	38.2838	38.2838	6.6100e-003	0.0000	38.4226
Waste						0.0000	0.0000		0.0000	0.0000	74.3272	0.0000	74.3272	4.3926	0.0000	166.5720
Water						0.0000	0.0000		0.0000	0.0000	16.4536	238.0040	254.4576	1.6951	0.0410	302.7588
Total	**83.6186**	**18.9118**	**135.6065**	**0.1346**	**7.2298**	**8.9289**	**16.1587**	**1.9350**	**8.9105**	**10.8455**	**913.0151**	**12,337.1518**	**13,250.1669**	**7.3318**	**0.1245**	**13,442.7373**

2.2 Overall Operational

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	63.6721	0.7472	67.4989	0.0243		8.6767	8.6767		8.6765	8.6765	822.2343	354.4893	1,176.7237	0.7685	0.0647	1,212.9110
Energy	0.0292	0.2498	0.1063	1.5900e-003		0.0202	0.0202		0.0202	0.0202	0.0000	3,292.4071	3,292.4071	0.0711	0.0189	3,299.7504
Mobile	19.8705	17.5735	67.7232	0.1081	7.2298	0.2136	7.4434	1.9350	0.1963	2.1313	0.0000	8,413.9676	8,413.9676	0.3979	0.0000	8,422.3225
Offroad	0.0467	0.3413	0.2781	5.3000e-004		0.0183	0.0183		0.0175	0.0175	0.0000	38.2838	38.2838	6.6100e-003	0.0000	38.4226
Waste						0.0000	0.0000		0.0000	0.0000	74.3272	0.0000	74.3272	4.3926	0.0000	166.5720
Water						0.0000	0.0000		0.0000	0.0000	16.4536	238.0040	254.4576	1.6948	0.0409	302.7326
Total	**83.6186**	**18.9118**	**135.6065**	**0.1346**	**7.2298**	**8.9289**	**16.1587**	**1.9350**	**8.9105**	**10.8455**	**913.0151**	**12,337.1518**	**13,250.1669**	**7.3315**	**0.1245**	**13,442.7111**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.06**	**1.80**	**0.21**	**0.39**	**0.00**	**0.21**	**0.11**	**0.00**	**0.20**	**0.16**	**0.00**	**0.31**	**0.29**	**0.09**	**0.06**	**0.29**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	-1,601.7908
Total	**-1,601.7908**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2016	12/31/2016	6	314	
2	Architectural Coating	Architectural Coating	1/1/2016	12/31/2016	6	314	
3	Demolition	Demolition	5/1/2016	10/15/2016	6	144	
4	Site Preparation	Site Preparation	5/1/2016	10/15/2016	6	144	
5	Grading	Grading	5/1/2016	10/15/2016	6	144	
6	Paving	Paving	5/1/2016	10/15/2016	6	144	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 0

Residential Indoor: 2,820,884; Residential Outdoor: 940,295; Non-Residential Indoor: 1,232,110; Non-Residential Outdoor: 410,703

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	409.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,074.00	294.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	215.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5348	4.4755	2.9055	4.2100e-003		0.3089	0.3089		0.2902	0.2902	0.0000	380.1811	380.1811	0.0943	0.0000	382.1613
Total	**0.5348**	**4.4755**	**2.9055**	**4.2100e-003**		**0.3089**	**0.3089**		**0.2902**	**0.2902**	**0.0000**	**380.1811**	**380.1811**	**0.0943**	**0.0000**	**382.1613**

3.2 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6775	4.2997	9.5639	0.0100	0.2757	0.0716	0.3473	0.0787	0.0658	0.1445	0.0000	904.7821	904.7821	7.8300e-003	0.0000	904.9465
Worker	5.5763	1.6464	15.5676	0.0246	2.1435	0.0187	2.1622	0.5686	0.0171	0.5857	0.0000	1,828.5378	1,828.5378	0.1180	0.0000	1,831.0156
Total	**7.2538**	**5.9461**	**25.1315**	**0.0346**	**2.4192**	**0.0904**	**2.5095**	**0.6473**	**0.0829**	**0.7302**	**0.0000**	**2,733.3199**	**2,733.3199**	**0.1258**	**0.0000**	**2,735.9620**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5341	4.4702	2.9021	4.2000e-003		0.3085	0.3085		0.2899	0.2899	0.0000	379.7289	379.7289	0.0942	0.0000	381.7066
Total	**0.5341**	**4.4702**	**2.9021**	**4.2000e-003**		**0.3085**	**0.3085**		**0.2899**	**0.2899**	**0.0000**	**379.7289**	**379.7289**	**0.0942**	**0.0000**	**381.7066**

3.2 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6775	4.2997	9.5639	0.0100	0.2757	0.0716	0.3473	0.0787	0.0658	0.1445	0.0000	904.7821	904.7821	7.8300e-003	0.0000	904.9465
Worker	5.5763	1.6464	15.5676	0.0246	2.1435	0.0187	2.1622	0.5686	0.0171	0.5857	0.0000	1,828.5378	1,828.5378	0.1180	0.0000	1,831.0156
Total	**7.2538**	**5.9461**	**25.1315**	**0.0346**	**2.4192**	**0.0904**	**2.5095**	**0.6473**	**0.0829**	**0.7302**	**0.0000**	**2,733.3199**	**2,733.3199**	**0.1258**	**0.0000**	**2,735.9620**

3.3 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	31.3094					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0579	0.3724	0.2958	4.7000e-004		0.0309	0.0309		0.0309	0.0309	0.0000	40.0861	40.0861	4.7300e-003	0.0000	40.1853
Total	**31.3672**	**0.3724**	**0.2958**	**4.7000e-004**		**0.0309**	**0.0309**		**0.0309**	**0.0309**	**0.0000**	**40.0861**	**40.0861**	**4.7300e-003**	**0.0000**	**40.1853**

3.3 Architectural Coating - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1163	0.3296	3.1164	4.9300e-003	0.4291	3.7500e-003	0.4329	0.1138	3.4200e-003	0.1173	0.0000	366.0481	366.0481	0.0236	0.0000	366.5441
Total	**1.1163**	**0.3296**	**3.1164**	**4.9300e-003**	**0.4291**	**3.7500e-003**	**0.4329**	**0.1138**	**3.4200e-003**	**0.1173**	**0.0000**	**366.0481**	**366.0481**	**0.0236**	**0.0000**	**366.5441**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	31.3094					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0578	0.3720	0.2954	4.7000e-004		0.0308	0.0308		0.0308	0.0308	0.0000	40.0384	40.0384	4.7200e-003	0.0000	40.1375
Total	**31.3672**	**0.3720**	**0.2954**	**4.7000e-004**		**0.0308**	**0.0308**		**0.0308**	**0.0308**	**0.0000**	**40.0384**	**40.0384**	**4.7200e-003**	**0.0000**	**40.1375**

3.3 Architectural Coating - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1163	0.3296	3.1164	4.9300e-003	0.4291	3.7500e-003	0.4329	0.1138	3.4200e-003	0.1173	0.0000	366.0481	366.0481	0.0236	0.0000	366.5441
Total	**1.1163**	**0.3296**	**3.1164**	**4.9300e-003**	**0.4291**	**3.7500e-003**	**0.4329**	**0.1138**	**3.4200e-003**	**0.1173**	**0.0000**	**366.0481**	**366.0481**	**0.0236**	**0.0000**	**366.5441**

3.4 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0443	0.0000	0.0443	6.7100e-003	0.0000	6.7100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3087	3.2872	2.5222	2.8700e-003		0.1650	0.1650		0.1538	0.1538	0.0000	267.1010	267.1010	0.0726	0.0000	268.6264
Total	**0.3087**	**3.2872**	**2.5222**	**2.8700e-003**	**0.0443**	**0.1650**	**0.2093**	**6.7100e-003**	**0.1538**	**0.1605**	**0.0000**	**267.1010**	**267.1010**	**0.0726**	**0.0000**	**268.6264**

3.4 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0215	0.0576	0.0756	1.5000e-004	3.5400e-003	8.7000e-004	4.4100e-003	9.7000e-004	8.0000e-004	1.7700e-003	0.0000	13.9089	13.9089	1.0000e-004	0.0000	13.9110
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0357	0.0105	0.0997	1.6000e-004	0.0137	1.2000e-004	0.0139	3.6400e-003	1.1000e-004	3.7500e-003	0.0000	11.7118	11.7118	7.6000e-004	0.0000	11.7277
Total	**0.0572**	**0.0682**	**0.1753**	**3.1000e-004**	**0.0173**	**9.9000e-004**	**0.0183**	**4.6100e-003**	**9.1000e-004**	**5.5200e-003**	**0.0000**	**25.6207**	**25.6207**	**8.6000e-004**	**0.0000**	**25.6387**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0443	0.0000	0.0443	6.7100e-003	0.0000	6.7100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3083	3.2833	2.5192	2.8700e-003		0.1648	0.1648		0.1537	0.1537	0.0000	266.7833	266.7833	0.0726	0.0000	268.3068
Total	**0.3083**	**3.2833**	**2.5192**	**2.8700e-003**	**0.0443**	**0.1648**	**0.2091**	**6.7100e-003**	**0.1537**	**0.1604**	**0.0000**	**266.7833**	**266.7833**	**0.0726**	**0.0000**	**268.3068**

3.4 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0215	0.0576	0.0756	1.5000e-004	0.3881	8.7000e-004	0.3889	0.0954	8.0000e-004	0.0962	0.0000	13.9089	13.9089	1.0000e-004	0.0000	13.9110
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0357	0.0105	0.0997	1.6000e-004	0.0137	1.2000e-004	0.0139	3.6400e-003	1.1000e-004	3.7500e-003	0.0000	11.7118	11.7118	7.6000e-004	0.0000	11.7277
Total	**0.0572**	**0.0682**	**0.1753**	**3.1000e-004**	**0.4018**	**9.9000e-004**	**0.4028**	**0.0990**	**9.1000e-004**	**0.0999**	**0.0000**	**25.6207**	**25.6207**	**8.6000e-004**	**0.0000**	**25.6387**

3.5 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3008	0.0000	1.3008	0.7150	0.0000	0.7150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3656	3.9335	2.9596	2.8100e-003		0.2116	0.2116		0.1947	0.1947	0.0000	265.5152	265.5152	0.0801	0.0000	267.1970
Total	**0.3656**	**3.9335**	**2.9596**	**2.8100e-003**	**1.3008**	**0.2116**	**1.5124**	**0.7150**	**0.1947**	**0.9097**	**0.0000**	**265.5152**	**265.5152**	**0.0801**	**0.0000**	**267.1970**

3.5 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0429	0.0127	0.1197	1.9000e-004	0.0165	1.4000e-004	0.0166	4.3700e-003	1.3000e-004	4.5000e-003	0.0000	14.0542	14.0542	9.1000e-004	0.0000	14.0732
Total	**0.0429**	**0.0127**	**0.1197**	**1.9000e-004**	**0.0165**	**1.4000e-004**	**0.0166**	**4.3700e-003**	**1.3000e-004**	**4.5000e-003**	**0.0000**	**14.0542**	**14.0542**	**9.1000e-004**	**0.0000**	**14.0732**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3008	0.0000	1.3008	0.7150	0.0000	0.7150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3651	3.9289	2.9561	2.8100e-003		0.2113	0.2113		0.1944	0.1944	0.0000	265.1993	265.1993	0.0800	0.0000	266.8792
Total	**0.3651**	**3.9289**	**2.9561**	**2.8100e-003**	**1.3008**	**0.2113**	**1.5121**	**0.7150**	**0.1944**	**0.9094**	**0.0000**	**265.1993**	**265.1993**	**0.0800**	**0.0000**	**266.8792**

3.5 Site Preparation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0429	0.0127	0.1197	1.9000e-004	0.0165	1.4000e-004	0.0166	4.3700e-003	1.3000e-004	4.5000e-003	0.0000	14.0542	14.0542	9.1000e-004	0.0000	14.0732
Total	**0.0429**	**0.0127**	**0.1197**	**1.9000e-004**	**0.0165**	**1.4000e-004**	**0.0166**	**4.3700e-003**	**1.3000e-004**	**4.5000e-003**	**0.0000**	**14.0542**	**14.0542**	**9.1000e-004**	**0.0000**	**14.0732**

3.6 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5794	0.0000	0.5794	0.2541	0.0000	0.2541	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4665	5.3866	3.5379	4.4400e-003		0.2581	0.2581		0.2374	0.2374	0.0000	419.0092	419.0092	0.1264	0.0000	421.6634
Total	**0.4665**	**5.3866**	**3.5379**	**4.4400e-003**	**0.5794**	**0.2581**	**0.8375**	**0.2541**	**0.2374**	**0.4915**	**0.0000**	**419.0092**	**419.0092**	**0.1264**	**0.0000**	**421.6634**

3.6 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0476	0.0141	0.1330	2.1000e-004	0.0183	1.6000e-004	0.0185	4.8600e-003	1.5000e-004	5.0000e-003	0.0000	15.6157	15.6157	1.0100e-003	0.0000	15.6369
Total	**0.0476**	**0.0141**	**0.1330**	**2.1000e-004**	**0.0183**	**1.6000e-004**	**0.0185**	**4.8600e-003**	**1.5000e-004**	**5.0000e-003**	**0.0000**	**15.6157**	**15.6157**	**1.0100e-003**	**0.0000**	**15.6369**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5794	0.0000	0.5794	0.2541	0.0000	0.2541	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4660	5.3802	3.5337	4.4400e-003		0.2578	0.2578		0.2371	0.2371	0.0000	418.5108	418.5108	0.1262	0.0000	421.1618
Total	**0.4660**	**5.3802**	**3.5337**	**4.4400e-003**	**0.5794**	**0.2578**	**0.8372**	**0.2541**	**0.2371**	**0.4912**	**0.0000**	**418.5108**	**418.5108**	**0.1262**	**0.0000**	**421.1618**

3.6 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0476	0.0141	0.1330	2.1000e-004	0.0183	1.6000e-004	0.0185	4.8600e-003	1.5000e-004	5.0000e-003	0.0000	15.6157	15.6157	1.0100e-003	0.0000	15.6369
Total	**0.0476**	**0.0141**	**0.1330**	**2.1000e-004**	**0.0183**	**1.6000e-004**	**0.0185**	**4.8600e-003**	**1.5000e-004**	**5.0000e-003**	**0.0000**	**15.6157**	**15.6157**	**1.0100e-003**	**0.0000**	**15.6369**

3.7 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1505	1.6118	1.0669	1.6000e-003		0.0908	0.0908		0.0835	0.0835	0.0000	151.2995	151.2995	0.0456	0.0000	152.2579
Paving	0.0240					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1744**	**1.6118**	**1.0669**	**1.6000e-003**		**0.0908**	**0.0908**		**0.0835**	**0.0835**	**0.0000**	**151.2995**	**151.2995**	**0.0456**	**0.0000**	**152.2579**

3.7 Paving - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0357	0.0105	0.0997	1.6000e-004	0.0137	1.2000e-004	0.0139	3.6400e-003	1.1000e-004	3.7500e-003	0.0000	11.7118	11.7118	7.6000e-004	0.0000	11.7277
Total	**0.0357**	**0.0105**	**0.0997**	**1.6000e-004**	**0.0137**	**1.2000e-004**	**0.0139**	**3.6400e-003**	**1.1000e-004**	**3.7500e-003**	**0.0000**	**11.7118**	**11.7118**	**7.6000e-004**	**0.0000**	**11.7277**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1503	1.6099	1.0656	1.6000e-003		0.0907	0.0907		0.0834	0.0834	0.0000	151.1195	151.1195	0.0456	0.0000	152.0767
Paving	0.0240					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1742**	**1.6099**	**1.0656**	**1.6000e-003**		**0.0907**	**0.0907**		**0.0834**	**0.0834**	**0.0000**	**151.1195**	**151.1195**	**0.0456**	**0.0000**	**152.0767**

3.7 Paving - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0357	0.0105	0.0997	1.6000e-004	0.0137	1.2000e-004	0.0139	3.6400e-003	1.1000e-004	3.7500e-003	0.0000	11.7118	11.7118	7.6000e-004	0.0000	11.7277
Total	**0.0357**	**0.0105**	**0.0997**	**1.6000e-004**	**0.0137**	**1.2000e-004**	**0.0139**	**3.6400e-003**	**1.1000e-004**	**3.7500e-003**	**0.0000**	**11.7118**	**11.7118**	**7.6000e-004**	**0.0000**	**11.7277**

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					
Unmitigated	19.8705	17.5735	67.7232	0.1081	7.2298	0.2136	7.4434	1.9350	0.1963	2.1313	0.0000	8,413.9676	8,413.9676	0.3979	0.0000	8,422.3225
Mitigated	19.8705	17.5735	67.7232	0.1081	7.2298	0.2136	7.4434	1.9350	0.1963	2.1313	0.0000	8,413.9676	8,413.9676	0.3979	0.0000	8,422.3225

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	138.39	150.36	127.47	494,881	494,881
Condo/Townhouse	204.29	221.96	188.17	730,539	730,539
Condo/Townhouse High Rise	4,902.96	5,327.04	4516.08	17,532,940	17,532,940
Enclosed Parking Structure	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Retail	0.00	0.00	0.00		
Total	5,245.64	5,699.36	4,831.72	18,758,360	18,758,360

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 Mid Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse High Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Enclosed Parking Structure	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
User Defined Retail	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.381852	0.086091	0.200079	0.163903	0.085749	0.010610	0.015453	0.038109	0.001550	0.000665	0.009389	0.000881	0.005669

4.4 Fleet Mix

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas Mitigated	0.0292	0.2498	0.1063	1.5900e-003		0.0202	0.0202		0.0202	0.0202	0.0000	289.2885	289.2885	5.5400e-003	5.3000e-003	291.0490
NaturalGas Unmitigated	0.0292	0.2498	0.1063	1.5900e-003		0.0202	0.0202		0.0202	0.0202	0.0000	289.2885	289.2885	5.5400e-003	5.3000e-003	291.0490
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,003.1187	3,003.1187	0.0656	0.0136	3,008.7014
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,003.1187	3,003.1187	0.0656	0.0136	3,008.7014

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	91455.8	4.9000e-004	4.2100e-003	1.7900e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8804	4.8804	9.0000e-005	9.0000e-005	4.9101
Condo/Townhouse	213184	1.1500e-003	9.8200e-003	4.1800e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	11.3763	11.3763	2.2000e-004	2.1000e-004	11.4456
Condo/Townhouse High Rise	5.11642e+006	0.0276	0.2358	0.1003	1.5000e-003		0.0191	0.0191		0.0191	0.0191	0.0000	273.0317	273.0317	5.2300e-003	5.0100e-003	274.6933
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other 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
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0292**	**0.2498**	**0.1063**	**1.5900e-003**		**0.0202**	**0.0202**		**0.0202**	**0.0202**	**0.0000**	**289.2885**	**289.2885**	**5.5400e-003**	**5.3100e-003**	**291.0490**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	91455.8	4.9000e-004	4.2100e-003	1.7900e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8804	4.8804	9.0000e-005	9.0000e-005	4.9101
Condo/Townhouse	213184	1.1500e-003	9.8200e-003	4.1800e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	11.3763	11.3763	2.2000e-004	2.1000e-004	11.4456
Condo/Townhouse High Rise	5.11642e+006	0.0276	0.2358	0.1003	1.5000e-003		0.0191	0.0191		0.0191	0.0191	0.0000	273.0317	273.0317	5.2300e-003	5.0100e-003	274.6933
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other 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
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0292**	**0.2498**	**0.1063**	**1.5900e-003**		**0.0202**	**0.0202**		**0.0202**	**0.0202**	**0.0000**	**289.2885**	**289.2885**	**5.5400e-003**	**5.3100e-003**	**291.0490**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	73951.5	44.5516	9.7000e-004	2.0000e-004	44.6344
Condo/Townhouse	143329	86.3473	1.8900e-003	3.9000e-004	86.5078
Condo/Townhouse High Rise	3.43988e+006	2,072.3349	0.0453	9.3600e-003	2,076.1873
Enclosed Parking Structure	918724	553.4790	0.0121	2.5000e-003	554.5079
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	409011	246.4059	5.3800e-003	1.1100e-003	246.8640
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		**3,003.1187**	**0.0656**	**0.0136**	**3,008.7014**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	73951.5	44.5516	9.7000e-004	2.0000e-004	44.6344
Condo/Townhouse	143329	86.3473	1.8900e-003	3.9000e-004	86.5078
Condo/Townhouse High Rise	3.43988e+006	2,072.3349	0.0453	9.3600e-003	2,076.1873
Enclosed Parking Structure	918724	553.4790	0.0121	2.5000e-003	554.5079
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	409011	246.4059	5.3800e-003	1.1100e-003	246.8640
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		**3,003.1187**	**0.0656**	**0.0136**	**3,008.7014**

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					
Unmitigated	63.6721	0.7472	67.4989	0.0243		8.6767	8.6767		8.6765	8.6765	822.2343	354.4893	1,176.7237	0.7685	0.0647	1,212.9110
Mitigated	63.6721	0.7472	67.4989	0.0243		8.6767	8.6767		8.6765	8.6765	822.2343	354.4893	1,176.7237	0.7685	0.0647	1,212.9110

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	3.1309					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	10.4092					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	49.9460	0.6776	61.5281	0.0240		8.6443	8.6443		8.6441	8.6441	822.2343	344.8331	1,167.0674	0.7588	0.0647	1,203.0512
Landscaping	0.1860	0.0696	5.9708	3.1000e-004		0.0324	0.0324		0.0324	0.0324	0.0000	9.6563	9.6563	9.6900e-003	0.0000	9.8598
Total	**63.6721**	**0.7472**	**67.4989**	**0.0243**		**8.6767**	**8.6767**		**8.6765**	**8.6765**	**822.2343**	**354.4893**	**1,176.7237**	**0.7685**	**0.0647**	**1,212.9110**

6.2 Area by SubCategory

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	3.1309					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	10.4092					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	49.9460	0.6776	61.5281	0.0240		8.6443	8.6443		8.6441	8.6441	822.2343	344.8331	1,167.0674	0.7588	0.0647	1,203.0512
Landscaping	0.1860	0.0696	5.9708	3.1000e-004		0.0324	0.0324		0.0324	0.0324	0.0000	9.6563	9.6563	9.6900e-003	0.0000	9.8598
Total	**63.6721**	**0.7472**	**67.4989**	**0.0243**		**8.6767**	**8.6767**		**8.6765**	**8.6765**	**822.2343**	**354.4893**	**1,176.7237**	**0.7685**	**0.0647**	**1,212.9110**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	254.4576	1.6951	0.0410	302.7588
Mitigated	254.4576	1.6948	0.0409	302.7326

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1.36823 / 0.862583	6.7131	0.0447	1.0800e-003	7.9874
Condo/Townhouse	2.01977 / 1.27334	9.9098	0.0660	1.6000e-003	11.7909
Condo/Townhouse High Rise	48.4746 / 30.5601	237.8347	1.5844	0.0383	282.9806
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**254.4576**	**1.6951**	**0.0410**	**302.7588**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1.36823 / 0.862583	6.7131	0.0447	1.0800e-003	7.9867
Condo/Townhouse	2.01977 / 1.27334	9.9098	0.0660	1.5900e-003	11.7898
Condo/Townhouse High Rise	48.4746 / 30.5601	237.8347	1.5841	0.0382	282.9561
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**254.4576**	**1.6948**	**0.0409**	**302.7326**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	74.3272	4.3926	0.0000	166.5720
Unmitigated	74.3272	4.3926	0.0000	166.5720

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	9.66	1.9609	0.1159	0.0000	4.3945
Condo/Townhouse	14.26	2.8947	0.1711	0.0000	6.4871
Condo/Townhouse High Rise	342.24	69.4716	4.1057	0.0000	155.6904
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		**74.3272**	**4.3926**	**0.0000**	**166.5720**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	9.66	1.9609	0.1159	0.0000	4.3945
Condo/Townhouse	14.26	2.8947	0.1711	0.0000	6.4871
Condo/Townhouse High Rise	342.24	69.4716	4.1057	0.0000	155.6904
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		**74.3272**	**4.3926**	**0.0000**	**166.5720**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Pressure Washers	1	2.00	180	13	0.30	Diesel
Signal Boards	1	24.00	365	6	0.82	Diesel
Tractors/Loaders/Backhoes	1	4.00	180	97	0.37	Diesel

UnMitigated/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
Equipment Type	tons/yr										MT/yr					
Pressure Washers	1.0800e-003	7.5000e-003	5.5700e-003	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	0.7979	0.7979	9.0000e-005	0.0000	0.7998
Signal Boards	0.0314	0.1968	0.1648	3.8000e-004		7.6500e-003	7.6500e-003		7.6500e-003	7.6500e-003	0.0000	24.4932	24.4932	2.5400e-003	0.0000	24.5466
Tractors/Loaders/ Backhoes	0.0143	0.1370	0.1077	1.4000e-004		0.0103	0.0103		9.4800e-003	9.4800e-003	0.0000	12.9926	12.9926	3.9800e-003	0.0000	13.0762
Total	**0.0467**	**0.3413**	**0.2781**	**5.3000e-004**		**0.0183**	**0.0183**		**0.0175**	**0.0175**	**0.0000**	**38.2838**	**38.2838**	**6.6100e-003**	**0.0000**	**38.4226**

10.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-1,601.7908	0.0000	0.0000	-1,601.7908

10.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Scrub	2.51 / 0	-278.6100	0.0000	0.0000	-278.6100
Trees	11.7 / 0	-1,298.7000	0.0000	0.0000	-1,298.7000
Wetlands	0.59 / 0	0.0000	0.0000	0.0000	0.0000
Grassland	5.68 / 0	-24.4808	0.0000	0.0000	-24.4808
Total		**-1,601.7908**	**0.0000**	**0.0000**	**-1,601.7908**

VSVSP Operational - Consumer Products & Architectural Coatings

Mountain Counties Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	21.00	Dwelling Unit	0.65	31,071.00	60
Condo/Townhouse	31.00	Dwelling Unit	9.70	103,000.00	89
Condo/Townhouse High Rise	744.00	Dwelling Unit	17.81	1,258,958.00	2128
User Defined Retail	75.00	User Defined Unit	7.43	335,708.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	8
Climate Zone	14			**Operational Year**	2017
Utility Company	Sierra Pacific Resources				
CO2 Intensity (lb/MWhr)	1328.16	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - This model run is used only to estimate operational emissions from consumer products and architectural coatings.

Land Use - Project-specific data, condensed from Table 1 in kickoff packet. This model run is used only to estimate operational emissions from consumer products and architectural coatings.

Construction Phase - See worksheet with notes about phasing.

Off-road Equipment -

Off-road Equipment - Cranes may be used when construction the taller buildings.

Off-road Equipment - Added equipment is used for the repurposing of asphalt, including an Ashalt Planer (asphalt mill), a CAT PM-201 Cold Planer, represented by a crawler tractor.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - existing buildings and parking lots

Architectural Coating - The Interior and Exterior areas were adjusted to reflect the land use amounts in the project description.

Energy Use -

Land Use Change - Vegetation loss values were provided by Ascents biological impacts analysis (prepared by CF).

Sequestration -

Operational Off-Road Equipment - This equipment is often used at ski resort communities.

Area Coating - For architectural coatings, Angel Green of PCAPCD recommends using an emission rate of 150 g/L ROG (pers. comm. Green, 2014). (e-mail to Austin Kerr of Ascent Environmental)

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	250
tblLandUse	LandUseSquareFeet	21,000.00	31,071.00
tblLandUse	LandUseSquareFeet	31,000.00	103,000.00
tblLandUse	LandUseSquareFeet	744,000.00	1,258,958.00
tblLandUse	LandUseSquareFeet	0.00	335,708.00
tblLandUse	LotAcreage	0.55	0.65
tblLandUse	LotAcreage	1.94	9.70
tblLandUse	LotAcreage	11.63	17.81
tblLandUse	LotAcreage	0.00	7.43
tblLandUseChange	CO2peracre	14.30	111.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	180.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	180.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	2.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	24.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	33.1917	79.2349	117.2441	0.1652	18.2962	3.8046	21.3866	9.9917	3.5002	12.8348	0.0000	14,922.3285	14,922.3285	1.9536	0.0000	14,963.3539
2016	30.0448	46.6376	105.5432	0.1650	9.5378	2.2587	11.7965	2.5462	2.1156	4.6617	0.0000	14,531.3765	14,531.3765	1.2132	0.0000	14,556.8529
2017	27.0553	42.7214	95.3016	0.1649	9.5383	2.0365	11.5748	2.5463	1.9074	4.4538	0.0000	14,103.7562	14,103.7562	1.1452	0.0000	14,127.8048
2018	937.7470	38.1800	86.3294	0.1647	9.5385	1.7205	11.2590	2.5464	1.6129	4.1593	0.0000	13,705.4832	13,705.4832	1.0886	0.0000	13,728.3444
Total	**1,028.0388**	**206.7739**	**404.4183**	**0.6598**	**46.9107**	**9.8203**	**56.0169**	**17.6305**	**9.1361**	**26.1096**	**0.0000**	**57,262.9443**	**57,262.9443**	**5.4006**	**0.0000**	**57,376.3560**

2.1 Overall Construction (Maximum Daily Emission)

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	33.1884	79.1624	117.2269	0.1652	18.2962	3.8011	21.3838	9.9917	3.4970	12.8322	0.0000	14,919.8609	14,919.8609	1.9518	0.0000	14,960.8490
2016	30.0417	46.6114	105.5262	0.1650	9.5378	2.2569	11.7947	2.5462	2.1139	4.6600	0.0000	14,528.9276	14,528.9276	1.2126	0.0000	14,554.3912
2017	27.0524	42.6972	95.2850	0.1648	9.5383	2.0349	11.5731	2.5463	1.9059	4.4522	0.0000	14,101.3343	14,101.3343	1.1446	0.0000	14,125.3704
2018	937.7467	38.1587	86.3133	0.1647	9.5385	1.7191	11.2576	2.5464	1.6116	4.1580	0.0000	13,703.0887	13,703.0887	1.0880	0.0000	13,725.9376
Total	**1,028.0292**	**206.6296**	**404.3514**	**0.6597**	**46.9107**	**9.8120**	**56.0093**	**17.6305**	**9.1283**	**26.1025**	**0.0000**	**57,253.2115**	**57,253.2115**	**5.3970**	**0.0000**	**57,366.5482**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.07**	**0.02**	**0.01**	**0.00**	**0.08**	**0.01**	**0.00**	**0.08**	**0.03**	**0.00**	**0.02**	**0.02**	**0.07**	**0.00**	**0.02**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,271.1143	17.3009	1,567.0250	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3229	31,495.6206	20.5192	1.7388	32,465.5596
Energy	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
Mobile	116.0846	96.3541	384.7504	0.6825	43.3161	1.2728	44.5889	11.5887	1.1699	12.7586		58,409.8134	58,409.8134	2.6175		58,464.7815
Offroad	0.3425	2.6835	2.1619	3.7800e-003		0.1607	0.1607		0.1515	0.1515		316.8456	316.8456	0.0652		318.2148
Total	**1,387.7016**	**117.7073**	**1,954.5197**	**1.2846**	**43.3161**	**212.7414**	**256.0575**	**11.5887**	**212.6232**	**224.2119**	**22,106.2977**	**69,863.3021**	**91,969.5998**	**23.2354**	**1.7709**	**93,006.5101**

2.2 Overall Operational

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	1,271.1143	17.3009	1,567.0250	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3229	31,495.6206	20.5192	1.7388	32,465.5596
Energy	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
Mobile	116.0846	96.3541	384.7504	0.6825	43.3161	1.2728	44.5889	11.5887	1.1699	12.7586		58,409.8134	58,409.8134	2.6175		58,464.7815
Offroad	0.3425	2.6835	2.1619	3.7800e-003		0.1607	0.1607		0.1515	0.1515		316.8456	316.8456	0.0652		318.2148
Total	**1,387.7016**	**117.7073**	**1,954.5197**	**1.2846**	**43.3161**	**212.7414**	**256.0575**	**11.5887**	**212.6232**	**224.2119**	**22,106.2977**	**69,863.3021**	**91,969.5998**	**23.2354**	**1.7709**	**93,006.5101**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.02**	**2.28**	**0.11**	**0.29**	**0.00**	**0.08**	**0.06**	**0.00**	**0.07**	**0.07**	**0.00**	**0.45**	**0.34**	**0.28**	**0.00**	**0.34**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	3/11/2015	5	50	
2	Site Preparation	Site Preparation	3/12/2015	4/22/2015	5	30	
3	Grading	Grading	4/23/2015	8/5/2015	5	75	
4	Building Construction	Building Construction	8/6/2015	6/6/2018	5	740	
5	Paving	Paving	6/7/2018	8/22/2018	5	55	
6	Architectural Coating	Architectural Coating	8/23/2018	11/7/2018	5	55	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 0

Residential Indoor: 2,820,884; Residential Outdoor: 940,295; Non-Residential Indoor: 503,562; Non-Residential Outdoor: 167,854

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	681.00	140.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	136.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	409.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7719	0.0000	1.7719	0.2683	0.0000	0.2683			0.0000			0.0000
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858		4,127.1934	4,127.1934	1.1188		4,150.6886
Total	**4.5083**	**48.3629**	**36.0738**	**0.0399**	**1.7719**	**2.4508**	**4.2227**	**0.2683**	**2.2858**	**2.5541**		**4,127.1934**	**4,127.1934**	**1.1188**		**4,150.6886**

3.2 Demolition - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.9146	2.5776	2.4795	6.1100e-003	0.1423	0.0464	0.1887	0.0390	0.0427	0.0816		621.0134	621.0134	5.2100e-003		621.1229
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5347	0.1412	1.6748	2.3800e-003	0.1916	1.7900e-003	0.1934	0.0508	1.6300e-003	0.0524		201.8239	201.8239	0.0129		202.0944
Total	**1.4492**	**2.7188**	**4.1543**	**8.4900e-003**	**0.3339**	**0.0482**	**0.3821**	**0.0898**	**0.0443**	**0.1341**		**822.8373**	**822.8373**	**0.0181**		**823.2173**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7719	0.0000	1.7719	0.2683	0.0000	0.2683			0.0000			0.0000
Off-Road	4.5041	48.3186	36.0407	0.0399		2.4486	2.4486		2.2837	2.2837	0.0000	4,123.4069	4,123.4069	1.1178		4,146.8806
Total	**4.5041**	**48.3186**	**36.0407**	**0.0399**	**1.7719**	**2.4486**	**4.2205**	**0.2683**	**2.2837**	**2.5520**	**0.0000**	**4,123.4069**	**4,123.4069**	**1.1178**		**4,146.8806**

3.2 Demolition - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.9146	2.5776	2.4795	6.1100e-003	5.4416	0.0464	5.4880	1.3397	0.0427	1.3824		621.0134	621.0134	5.2100e-003		621.1229
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5347	0.1412	1.6748	2.3800e-003	0.1916	1.7900e-003	0.1934	0.0508	1.6300e-003	0.0524		201.8239	201.8239	0.0129		202.0944
Total	**1.4492**	**2.7188**	**4.1543**	**8.4900e-003**	**5.6332**	**0.0482**	**5.6814**	**1.3905**	**0.0443**	**1.4348**		**822.8373**	**822.8373**	**0.0181**		**823.2173**

3.3 Site Preparation - 2015

Unmitigated Construction On-Site

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

3.3 Site Preparation - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6416	0.1694	2.0097	2.8500e-003	0.2299	2.1500e-003	0.2321	0.0610	1.9500e-003	0.0629		242.1887	242.1887	0.0155		242.5133
Total	**0.6416**	**0.1694**	**2.0097**	**2.8500e-003**	**0.2299**	**2.1500e-003**	**0.2321**	**0.0610**	**1.9500e-003**	**0.0629**		**242.1887**	**242.1887**	**0.0155**		**242.5133**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2561	56.8375	42.5927	0.0391		3.0855	3.0855		2.8386	2.8386	0.0000	4,107.9721	4,107.9721	1.2264		4,133.7265
Total	**5.2561**	**56.8375**	**42.5927**	**0.0391**	**18.0663**	**3.0855**	**21.1517**	**9.9307**	**2.8386**	**12.7693**	**0.0000**	**4,107.9721**	**4,107.9721**	**1.2264**		**4,133.7265**

3.3 Site Preparation - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6416	0.1694	2.0097	2.8500e-003	0.2299	2.1500e-003	0.2321	0.0610	1.9500e-003	0.0629		242.1887	242.1887	0.0155		242.5133
Total	**0.6416**	**0.1694**	**2.0097**	**2.8500e-003**	**0.2299**	**2.1500e-003**	**0.2321**	**0.0610**	**1.9500e-003**	**0.0629**		**242.1887**	**242.1887**	**0.0155**		**242.5133**

3.4 Grading - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.2433	6,486.2433	1.9364		6,526.9080
Total	**6.7751**	**79.0467**	**50.8400**	**0.0618**	**8.6733**	**3.8022**	**12.4755**	**3.5965**	**3.4980**	**7.0945**		**6,486.2433**	**6,486.2433**	**1.9364**		**6,526.9080**

3.4 Grading - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7129	0.1882	2.2330	3.1700e-003	0.2555	2.3900e-003	0.2579	0.0678	2.1700e-003	0.0699		269.0985	269.0985	0.0172		269.4592
Total	**0.7129**	**0.1882**	**2.2330**	**3.1700e-003**	**0.2555**	**2.3900e-003**	**0.2579**	**0.0678**	**2.1700e-003**	**0.0699**		**269.0985**	**269.0985**	**0.0172**		**269.4592**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.7689	78.9742	50.7933	0.0617		3.7987	3.7987		3.4948	3.4948	0.0000	6,480.2925	6,480.2925	1.9346		6,520.9199
Total	**6.7689**	**78.9742**	**50.7933**	**0.0617**	**8.6733**	**3.7987**	**12.4720**	**3.5965**	**3.4948**	**7.0913**	**0.0000**	**6,480.2925**	**6,480.2925**	**1.9346**		**6,520.9199**

3.4 Grading - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7129	0.1882	2.2330	3.1700e-003	0.2555	2.3900e-003	0.2579	0.0678	2.1700e-003	0.0699		269.0985	269.0985	0.0172		269.4592
Total	**0.7129**	**0.1882**	**2.2330**	**3.1700e-003**	**0.2555**	**2.3900e-003**	**0.2579**	**0.0678**	**2.1700e-003**	**0.0699**		**269.0985**	**269.0985**	**0.0172**		**269.4592**

3.5 Building Construction - 2015

Unmitigated Construction On-Site

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

3.5 Building Construction - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.2582	14.3034	22.4651	0.0305	0.8391	0.2708	1.1099	0.2393	0.2488	0.4880		3,069.9471	3,069.9471	0.0297		3,070.5706
Worker	24.2745	6.4088	76.0345	0.1079	8.6984	0.0815	8.7799	2.3067	0.0739	2.3807		9,162.8042	9,162.8042	0.5849		9,175.0863
Total	**29.5327**	**20.7122**	**98.4996**	**0.1384**	**9.5375**	**0.3522**	**9.8898**	**2.5460**	**0.3227**	**2.8687**		**12,232.7513**	**12,232.7513**	**0.6146**		**12,245.6569**

Mitigated Construction On-Site

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

3.5 Building Construction - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.2582	14.3034	22.4651	0.0305	0.8391	0.2708	1.1099	0.2393	0.2488	0.4880		3,069.9471	3,069.9471	0.0297		3,070.5706
Worker	24.2745	6.4088	76.0345	0.1079	8.6984	0.0815	8.7799	2.3067	0.0739	2.3807		9,162.8042	9,162.8042	0.5849		9,175.0863
Total	**29.5327**	**20.7122**	**98.4996**	**0.1384**	**9.5375**	**0.3522**	**9.8898**	**2.5460**	**0.3227**	**2.8687**		**12,232.7513**	**12,232.7513**	**0.6146**		**12,245.6569**

3.5 Building Construction - 2016

Unmitigated Construction On-Site

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

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.6197	12.4720	20.0641	0.0304	0.8394	0.2157	1.0551	0.2394	0.1982	0.4376		3,035.6941	3,035.6941	0.0259		3,036.2372
Worker	22.0189	5.6592	66.9725	0.1078	8.6984	0.0756	8.7741	2.3067	0.0689	2.3757		8,826.3960	8,826.3960	0.5253		8,837.4267
Total	**26.6386**	**18.1312**	**87.0366**	**0.1382**	**9.5378**	**0.2913**	**9.8291**	**2.5461**	**0.2671**	**2.8132**		**11,862.0901**	**11,862.0901**	**0.5511**		**11,873.6639**

Mitigated Construction On-Site

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

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.6197	12.4720	20.0641	0.0304	0.8394	0.2157	1.0551	0.2394	0.1982	0.4376		3,035.6941	3,035.6941	0.0259		3,036.2372
Worker	22.0189	5.6592	66.9725	0.1078	8.6984	0.0756	8.7741	2.3067	0.0689	2.3757		8,826.3960	8,826.3960	0.5253		8,837.4267
Total	**26.6386**	**18.1312**	**87.0366**	**0.1382**	**9.5378**	**0.2913**	**9.8291**	**2.5461**	**0.2671**	**2.8132**		**11,862.0901**	**11,862.0901**	**0.5511**		**11,873.6639**

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	**3.1024**	**26.4057**	**18.1291**	**0.0268**		**1.7812**	**1.7812**		**1.6730**	**1.6730**		**2,639.8053**	**2,639.8053**	**0.6497**		**2,653.4490**

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.1300	11.3366	18.6200	0.0304	0.8398	0.1845	1.0243	0.2396	0.1696	0.4091		2,987.6951	2,987.6951	0.0241		2,988.2004
Worker	19.8229	4.9791	58.5525	0.1077	8.6984	0.0708	8.7692	2.3067	0.0649	2.3717		8,476.2558	8,476.2558	0.4714		8,486.1554
Total	**23.9529**	**16.3157**	**77.1725**	**0.1380**	**9.5383**	**0.2553**	**9.7936**	**2.5463**	**0.2345**	**2.7808**		**11,463.9508**	**11,463.9508**	**0.4955**		**11,474.3558**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0995	26.3814	18.1125	0.0268		1.7796	1.7796		1.6714	1.6714	0.0000	2,637.3834	2,637.3834	0.6491		2,651.0146
Total	**3.0995**	**26.3814**	**18.1125**	**0.0268**		**1.7796**	**1.7796**		**1.6714**	**1.6714**	**0.0000**	**2,637.3834**	**2,637.3834**	**0.6491**		**2,651.0146**

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.1300	11.3366	18.6200	0.0304	0.8398	0.1845	1.0243	0.2396	0.1696	0.4091		2,987.6951	2,987.6951	0.0241		2,988.2004
Worker	19.8229	4.9791	58.5525	0.1077	8.6984	0.0708	8.7692	2.3067	0.0649	2.3717		8,476.2558	8,476.2558	0.4714		8,486.1554
Total	**23.9529**	**16.3157**	**77.1725**	**0.1380**	**9.5383**	**0.2553**	**9.7936**	**2.5463**	**0.2345**	**2.7808**		**11,463.9508**	**11,463.9508**	**0.4955**		**11,474.3558**

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**		**2,609.9390**	**2,609.9390**	**0.6387**		**2,623.3517**

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.7193	10.5026	17.1576	0.0303	0.8401	0.1589	0.9990	0.2397	0.1460	0.3857		2,939.5726	2,939.5726	0.0225		2,940.0448
Worker	17.9323	4.4166	51.6391	0.1076	8.6984	0.0673	8.7658	2.3067	0.0621	2.3688		8,155.9717	8,155.9717	0.4274		8,164.9479
Total	**21.6516**	**14.9192**	**68.7967**	**0.1379**	**9.5385**	**0.2262**	**9.7647**	**2.5464**	**0.2081**	**2.7545**		**11,095.5442**	**11,095.5442**	**0.4499**		**11,104.9927**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6662	23.2395	17.5166	0.0268		1.4929	1.4929		1.4035	1.4035	0.0000	2,607.5445	2,607.5445	0.6381		2,620.9449
Total	**2.6662**	**23.2395**	**17.5166**	**0.0268**		**1.4929**	**1.4929**		**1.4035**	**1.4035**	**0.0000**	**2,607.5445**	**2,607.5445**	**0.6381**		**2,620.9449**

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.7193	10.5026	17.1576	0.0303	0.8401	0.1589	0.9990	0.2397	0.1460	0.3857		2,939.5726	2,939.5726	0.0225		2,940.0448
Worker	17.9323	4.4166	51.6391	0.1076	8.6984	0.0673	8.7658	2.3067	0.0621	2.3688		8,155.9717	8,155.9717	0.4274		8,164.9479
Total	**21.6516**	**14.9192**	**68.7967**	**0.1379**	**9.5385**	**0.2262**	**9.7647**	**2.5464**	**0.2081**	**2.7545**		**11,095.5442**	**11,095.5442**	**0.4499**		**11,104.9927**

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6114**	**17.1628**	**14.4944**	**0.0223**		**0.9386**	**0.9386**		**0.8635**	**0.8635**		**2,245.2695**	**2,245.2695**	**0.6990**		**2,259.9481**

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3950	0.0973	1.1374	2.3700e-003	0.1916	1.4800e-003	0.1931	0.0508	1.3700e-003	0.0522		179.6470	179.6470	9.4100e-003		179.8447
Total	**0.3950**	**0.0973**	**1.1374**	**2.3700e-003**	**0.1916**	**1.4800e-003**	**0.1931**	**0.0508**	**1.3700e-003**	**0.0522**		**179.6470**	**179.6470**	**9.4100e-003**		**179.8447**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6099	17.1470	14.4811	0.0223		0.9378	0.9378		0.8628	0.8628	0.0000	2,243.2096	2,243.2096	0.6983		2,257.8747
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6099**	**17.1470**	**14.4811**	**0.0223**		**0.9378**	**0.9378**		**0.8628**	**0.8628**	**0.0000**	**2,243.2096**	**2,243.2096**	**0.6983**		**2,257.8747**

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3950	0.0973	1.1374	2.3700e-003	0.1916	1.4800e-003	0.1931	0.0508	1.3700e-003	0.0522		179.6470	179.6470	9.4100e-003		179.8447
Total	**0.3950**	**0.0973**	**1.1374**	**2.3700e-003**	**0.1916**	**1.4800e-003**	**0.1931**	**0.0508**	**1.3700e-003**	**0.0522**		**179.6470**	**179.6470**	**9.4100e-003**		**179.8447**

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	933.8672					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	**934.1658**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**		**281.4485**	**281.4485**	**0.0267**		**282.0102**

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.5812	0.8820	10.3127	0.0215	1.7371	0.0134	1.7506	0.4607	0.0124	0.4731		1,628.7990	1,628.7990	0.0854		1,630.5917
Total	**3.5812**	**0.8820**	**10.3127**	**0.0215**	**1.7371**	**0.0134**	**1.7506**	**0.4607**	**0.0124**	**0.4731**		**1,628.7990**	**1,628.7990**	**0.0854**		**1,630.5917**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	933.8672					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2984	2.0039	1.8525	2.9700e-003		0.1504	0.1504		0.1504	0.1504	0.0000	281.1903	281.1903	0.0267		281.7514
Total	**934.1655**	**2.0039**	**1.8525**	**2.9700e-003**		**0.1504**	**0.1504**		**0.1504**	**0.1504**	**0.0000**	**281.1903**	**281.1903**	**0.0267**		**281.7514**

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.5812	0.8820	10.3127	0.0215	1.7371	0.0134	1.7506	0.4607	0.0124	0.4731		1,628.7990	1,628.7990	0.0854		1,630.5917
Total	**3.5812**	**0.8820**	**10.3127**	**0.0215**	**1.7371**	**0.0134**	**1.7506**	**0.4607**	**0.0124**	**0.4731**		**1,628.7990**	**1,628.7990**	**0.0854**		**1,630.5917**

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	116.0846	96.3541	384.7504	0.6825	43.3161	1.2728	44.5889	11.5887	1.1699	12.7586		58,409.8134	58,409.8134	2.6175		58,464.7815
Unmitigated	116.0846	96.3541	384.7504	0.6825	43.3161	1.2728	44.5889	11.5887	1.1699	12.7586		58,409.8134	58,409.8134	2.6175		58,464.7815

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	138.39	150.36	127.47	494,881	494,881
Condo/Townhouse	204.29	221.96	188.17	730,539	730,539
Condo/Townhouse High Rise	4,902.96	5,327.04	4516.08	17,532,940	17,532,940
User Defined Retail	0.00	0.00	0.00		
Total	5,245.64	5,699.36	4,831.72	18,758,360	18,758,360

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 Mid Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse High Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
User Defined Retail	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.381852	0.086091	0.200079	0.163903	0.085749	0.010610	0.015453	0.038109	0.001550	0.000665	0.009389	0.000881	0.005669

4.4 Fleet Mix

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
NaturalGas Unmitigated	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542

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 Mid Rise	250.564	2.7000e-003	0.0231	9.8300e-003	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4781	29.4781	5.6000e-004	5.4000e-004	29.6575
Condo/Townhouse	584.066	6.3000e-003	0.0538	0.0229	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003		68.7137	68.7137	1.3200e-003	1.2600e-003	69.1319
Condo/Townhouse High Rise	14017.6	0.1512	1.2918	0.5497	8.2500e-003		0.1044	0.1044		0.1044	0.1044		1,649.1285	1,649.1285	0.0316	0.0302	1,659.1648
User Defined Retail	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
Total		**0.1602**	**1.3687**	**0.5824**	**8.7400e-003**		**0.1107**	**0.1107**		**0.1107**	**0.1107**		**1,747.3203**	**1,747.3203**	**0.0335**	**0.0320**	**1,757.9542**

5.2 Energy by Land Use - NaturalGas

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					
Condo/Townhouse	0.584066	6.3000e-003	0.0538	0.0229	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003		68.7137	68.7137	1.3200e-003	1.2600e-003	69.1319
Condo/Townhouse High Rise	14.0176	0.1512	1.2918	0.5497	8.2500e-003		0.1044	0.1044		0.1044	0.1044		1,649.1285	1,649.1285	0.0316	0.0302	1,659.1648
User Defined Retail	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
Apartments Mid Rise	0.250564	2.7000e-003	0.0231	9.8300e-003	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4781	29.4781	5.6000e-004	5.4000e-004	29.6575
Total		**0.1602**	**1.3687**	**0.5824**	**8.7400e-003**		**0.1107**	**0.1107**		**0.1107**	**0.1107**		**1,747.3203**	**1,747.3203**	**0.0335**	**0.0320**	**1,757.9542**

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	1,271.1143	17.3009	1,567.0250	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3229	31,495.6206	20.5192	1.7388	32,465.5596
Unmitigated	1,271.1143	17.3009	1,567.0250	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3229	31,495.6206	20.5192	1.7388	32,465.5596

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	13.8588					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	36.9950					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,218.1944	16.5276	1,500.6847	0.5862		210.8371	210.8371		210.8309	210.8309	22,106.2977	9,271.0588	31,377.3565	20.4004	1.7388	32,344.8022
Landscaping	2.0661	0.7733	66.3403	3.4700e-003		0.3602	0.3602		0.3602	0.3602		118.2641	118.2641	0.1187		120.7574
Total	**1,271.1143**	**17.3009**	**1,567.0250**	**0.5896**		**211.1973**	**211.1973**		**211.1911**	**211.1911**	**22,106.2977**	**9,389.3229**	**31,495.6206**	**20.5192**	**1.7388**	**32,465.5596**

6.2 Area by SubCategory

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	13.8588					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	36.9950					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,218.1944	16.5276	1,500.6847	0.5862		210.8371	210.8371		210.8309	210.8309	22,106.2977	9,271.0588	31,377.3565	20.4004	1.7388	32,344.8022
Landscaping	2.0661	0.7733	66.3403	3.4700e-003		0.3602	0.3602		0.3602	0.3602		118.2641	118.2641	0.1187		120.7574
Total	**1,271.1143**	**17.3009**	**1,567.0250**	**0.5896**		**211.1973**	**211.1973**		**211.1911**	**211.1911**	**22,106.2977**	**9,389.3229**	**31,495.6206**	**20.5192**	**1.7388**	**32,465.5596**

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
Pressure Washers	1	2.00	180	13	0.30	Diesel
Signal Boards	1	24.00	365	6	0.82	Diesel
Tractors/Loaders/Backhoes	1	4.00	180	97	0.37	Diesel

UnMitigated/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
Equipment Type	lb/day										lb/day					
Pressure Washers	0.0120	0.0834	0.0619	1.4000e-004		4.3000e-003	4.3000e-003		4.3000e-003	4.3000e-003		9.7725	9.7725	1.0800e-003		9.7953
Signal Boards	0.1721	1.0783	0.9031	2.0800e-003		0.0419	0.0419		0.0419	0.0419		147.9406	147.9406	0.0154		148.2632
Tractors/Loaders/ Backhoes	0.1584	1.5219	1.1969	1.5600e-003		0.1145	0.1145		0.1053	0.1053		159.1325	159.1325	0.0488		160.1564
Total	**0.3425**	**2.6835**	**2.1619**	**3.7800e-003**		**0.1607**	**0.1607**		**0.1515**	**0.1515**		**316.8456**	**316.8456**	**0.0652**		**318.2148**

10.0 Vegetation

VSVSP Operational - Consumer Products & Architectural Coatings

Mountain Counties Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	21.00	Dwelling Unit	0.65	31,071.00	60
Condo/Townhouse	31.00	Dwelling Unit	9.70	103,000.00	89
Condo/Townhouse High Rise	744.00	Dwelling Unit	17.81	1,258,958.00	2128
User Defined Retail	75.00	User Defined Unit	7.43	335,708.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	8
Climate Zone	14			**Operational Year**	2017
Utility Company	Sierra Pacific Resources				
CO2 Intensity (lb/MWhr)	1328.16	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - This model run is used only to estimate operational emissions from consumer products and architectural coatings.

Land Use - Project-specific data, condensed from Table 1 in kickoff packet. This model run is used only to estimate operational emissions from consumer products and architectural coatings.

Construction Phase - See worksheet with notes about phasing.

Off-road Equipment -

Off-road Equipment - Cranes may be used when construction the taller buildings.

Off-road Equipment - Added equipment is used for the repurposing of asphalt, including an Ashalt Planer (asphalt mill), a CAT PM-201 Cold Planer, represented by a crawler tractor.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - existing buildings and parking lots

Architectural Coating - The Interior and Exterior areas were adjusted to reflect the land use amounts in the project description.

Energy Use -

Land Use Change - Vegetation loss values were provided by Ascents biological impacts analysis (prepared by CF).

Sequestration -

Operational Off-Road Equipment - This equipment is often used at ski resort communities.

Area Coating - For architectural coatings, Angel Green of PCAPCD recommends using an emission rate of 150 g/L ROG (pers. comm. Green, 2014). (e-mail to Austin Kerr of Ascent Environmental)

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	250
tblLandUse	LandUseSquareFeet	21,000.00	31,071.00
tblLandUse	LandUseSquareFeet	31,000.00	103,000.00
tblLandUse	LandUseSquareFeet	744,000.00	1,258,958.00
tblLandUse	LandUseSquareFeet	0.00	335,708.00
tblLandUse	LotAcreage	0.55	0.65
tblLandUse	LotAcreage	1.94	9.70
tblLandUse	LotAcreage	11.63	17.81
tblLandUse	LotAcreage	0.00	7.43
tblLandUseChange	CO2peracre	14.30	111.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	180.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	180.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	2.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	24.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	39.2157	79.2870	131.5291	0.1548	18.2962	3.8046	21.3866	9.9917	3.5002	12.8348	0.0000	14,014.0818	14,014.0818	1.9536	0.0000	14,055.1072
2016	35.4873	48.9050	119.3076	0.1546	9.5378	2.2624	11.8002	2.5462	2.1190	4.6651	0.0000	13,653.2855	13,653.2855	1.2139	0.0000	13,678.7775
2017	31.9798	44.7307	108.3835	0.1544	9.5383	2.0396	11.5779	2.5463	1.9103	4.4566	0.0000	13,257.5847	13,257.5847	1.1459	0.0000	13,281.6488
2018	938.4646	39.9813	98.9523	0.1542	9.5385	1.7225	11.2610	2.5464	1.6148	4.1612	0.0000	12,889.1269	12,889.1269	1.0893	0.0000	12,912.0028
Total	**1,045.1475**	**212.9040**	**458.1725**	**0.6180**	**46.9107**	**9.8291**	**56.0257**	**17.6305**	**9.1442**	**26.1177**	**0.0000**	**53,814.0789**	**53,814.0789**	**5.4027**	**0.0000**	**53,927.5363**

2.1 Overall Construction (Maximum Daily Emission)

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	39.2124	79.2145	131.5119	0.1548	18.2962	3.8011	21.3838	9.9917	3.4970	12.8322	0.0000	14,011.6142	14,011.6142	1.9518	0.0000	14,052.6023
2016	35.4842	48.8788	119.2907	0.1546	9.5378	2.2606	11.7984	2.5462	2.1173	4.6634	0.0000	13,650.8366	13,650.8366	1.2133	0.0000	13,676.3158
2017	31.9770	44.7065	108.3668	0.1544	9.5383	2.0380	11.5762	2.5463	1.9088	4.4551	0.0000	13,255.1628	13,255.1628	1.1453	0.0000	13,279.2144
2018	938.4644	39.9600	98.9362	0.1542	9.5385	1.7211	11.2596	2.5464	1.6135	4.1599	0.0000	12,886.7324	12,886.7324	1.0887	0.0000	12,909.5960
Total	**1,045.1379**	**212.7598**	**458.1056**	**0.6179**	**46.9107**	**9.8208**	**56.0180**	**17.6305**	**9.1364**	**26.1106**	**0.0000**	**53,804.3460**	**53,804.3460**	**5.3992**	**0.0000**	**53,917.7286**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.07**	**0.01**	**0.02**	**0.00**	**0.08**	**0.01**	**0.00**	**0.08**	**0.03**	**0.00**	**0.02**	**0.02**	**0.07**	**0.00**	**0.02**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,271.1143	17.3009	1,567.0250	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3229	31,495.6206	20.5192	1.7388	32,465.5596
Energy	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
Mobile	135.4049	108.7430	438.5722	0.6365	43.3161	1.2784	44.5946	11.5887	1.1751	12.7638		54,609.6342	54,609.6342	2.6195		54,664.6437
Offroad	0.3425	2.6835	2.1619	3.7800e-003		0.1607	0.1607		0.1515	0.1515		316.8456	316.8456	0.0652		318.2148
Total	**1,407.0218**	**130.0962**	**2,008.3415**	**1.2386**	**43.3161**	**212.7471**	**256.0632**	**11.5887**	**212.6284**	**224.2171**	**22,106.2977**	**66,063.1230**	**88,169.4207**	**23.2374**	**1.7709**	**89,206.3723**

2.2 Overall Operational

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	1,271.1143	17.3009	1,567.0250	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3229	31,495.6206	20.5192	1.7388	32,465.5596
Energy	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
Mobile	135.4049	108.7430	438.5722	0.6365	43.3161	1.2784	44.5946	11.5887	1.1751	12.7638		54,609.6342	54,609.6342	2.6195		54,664.6437
Offroad	0.3425	2.6835	2.1619	3.7800e-003		0.1607	0.1607		0.1515	0.1515		316.8456	316.8456	0.0652		318.2148
Total	**1,407.0218**	**130.0962**	**2,008.3415**	**1.2386**	**43.3161**	**212.7471**	**256.0632**	**11.5887**	**212.6284**	**224.2171**	**22,106.2977**	**66,063.1230**	**88,169.4207**	**23.2374**	**1.7709**	**89,206.3723**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.02**	**2.06**	**0.11**	**0.31**	**0.00**	**0.08**	**0.06**	**0.00**	**0.07**	**0.07**	**0.00**	**0.48**	**0.36**	**0.28**	**0.00**	**0.36**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	3/11/2015	5	50	
2	Site Preparation	Site Preparation	3/12/2015	4/22/2015	5	30	
3	Grading	Grading	4/23/2015	8/5/2015	5	75	
4	Building Construction	Building Construction	8/6/2015	6/6/2018	5	740	
5	Paving	Paving	6/7/2018	8/22/2018	5	55	
6	Architectural Coating	Architectural Coating	8/23/2018	11/7/2018	5	55	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 0

Residential Indoor: 2,820,884; Residential Outdoor: 940,295; Non-Residential Indoor: 503,562; Non-Residential Outdoor: 167,854

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	681.00	140.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	136.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	409.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7719	0.0000	1.7719	0.2683	0.0000	0.2683			0.0000			0.0000
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858		4,127.1934	4,127.1934	1.1188		4,150.6886
Total	**4.5083**	**48.3629**	**36.0738**	**0.0399**	**1.7719**	**2.4508**	**4.2227**	**0.2683**	**2.2858**	**2.5541**		**4,127.1934**	**4,127.1934**	**1.1188**		**4,150.6886**

3.2 Demolition - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0584	2.7418	3.9345	6.1200e-003	0.1423	0.0466	0.1889	0.0390	0.0428	0.0818		619.5573	619.5573	5.2800e-003		619.6682
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6390	0.1802	1.6330	2.1500e-003	0.1916	1.7900e-003	0.1934	0.0508	1.6300e-003	0.0524		182.3808	182.3808	0.0129		182.6513
Total	**1.6974**	**2.9220**	**5.5674**	**8.2700e-003**	**0.3339**	**0.0484**	**0.3823**	**0.0898**	**0.0445**	**0.1342**		**801.9381**	**801.9381**	**0.0182**		**802.3195**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7719	0.0000	1.7719	0.2683	0.0000	0.2683			0.0000			0.0000
Off-Road	4.5041	48.3186	36.0407	0.0399		2.4486	2.4486		2.2837	2.2837	0.0000	4,123.4069	4,123.4069	1.1178		4,146.8806
Total	**4.5041**	**48.3186**	**36.0407**	**0.0399**	**1.7719**	**2.4486**	**4.2205**	**0.2683**	**2.2837**	**2.5520**	**0.0000**	**4,123.4069**	**4,123.4069**	**1.1178**		**4,146.8806**

3.2 Demolition - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0584	2.7418	3.9345	6.1200e-003	5.4416	0.0466	5.4882	1.3397	0.0428	1.3825		619.5573	619.5573	5.2800e-003		619.6682
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6390	0.1802	1.6330	2.1500e-003	0.1916	1.7900e-003	0.1934	0.0508	1.6300e-003	0.0524		182.3808	182.3808	0.0129		182.6513
Total	**1.6974**	**2.9220**	**5.5674**	**8.2700e-003**	**5.6332**	**0.0484**	**5.6816**	**1.3905**	**0.0445**	**1.4350**		**801.9381**	**801.9381**	**0.0182**		**802.3195**

3.3 Site Preparation - 2015

Unmitigated Construction On-Site

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

3.3 Site Preparation - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7668	0.2163	1.9596	2.5800e-003	0.2299	2.1500e-003	0.2321	0.0610	1.9500e-003	0.0629		218.8569	218.8569	0.0155		219.1815
Total	**0.7668**	**0.2163**	**1.9596**	**2.5800e-003**	**0.2299**	**2.1500e-003**	**0.2321**	**0.0610**	**1.9500e-003**	**0.0629**		**218.8569**	**218.8569**	**0.0155**		**219.1815**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2561	56.8375	42.5927	0.0391		3.0855	3.0855		2.8386	2.8386	0.0000	4,107.9721	4,107.9721	1.2264		4,133.7265
Total	**5.2561**	**56.8375**	**42.5927**	**0.0391**	**18.0663**	**3.0855**	**21.1517**	**9.9307**	**2.8386**	**12.7693**	**0.0000**	**4,107.9721**	**4,107.9721**	**1.2264**		**4,133.7265**

3.3 Site Preparation - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7668	0.2163	1.9596	2.5800e-003	0.2299	2.1500e-003	0.2321	0.0610	1.9500e-003	0.0629		218.8569	218.8569	0.0155		219.1815
Total	**0.7668**	**0.2163**	**1.9596**	**2.5800e-003**	**0.2299**	**2.1500e-003**	**0.2321**	**0.0610**	**1.9500e-003**	**0.0629**		**218.8569**	**218.8569**	**0.0155**		**219.1815**

3.4 Grading - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.2433	6,486.2433	1.9364		6,526.9080
Total	**6.7751**	**79.0467**	**50.8400**	**0.0618**	**8.6733**	**3.8022**	**12.4755**	**3.5965**	**3.4980**	**7.0945**		**6,486.2433**	**6,486.2433**	**1.9364**		**6,526.9080**

3.4 Grading - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8520	0.2403	2.1773	2.8600e-003	0.2555	2.3900e-003	0.2579	0.0678	2.1700e-003	0.0699		243.1743	243.1743	0.0172		243.5351
Total	**0.8520**	**0.2403**	**2.1773**	**2.8600e-003**	**0.2555**	**2.3900e-003**	**0.2579**	**0.0678**	**2.1700e-003**	**0.0699**		**243.1743**	**243.1743**	**0.0172**		**243.5351**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.7689	78.9742	50.7933	0.0617		3.7987	3.7987		3.4948	3.4948	0.0000	6,480.2925	6,480.2925	1.9346		6,520.9199
Total	**6.7689**	**78.9742**	**50.7933**	**0.0617**	**8.6733**	**3.7987**	**12.4720**	**3.5965**	**3.4948**	**7.0913**	**0.0000**	**6,480.2925**	**6,480.2925**	**1.9346**		**6,520.9199**

3.4 Grading - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8520	0.2403	2.1773	2.8600e-003	0.2555	2.3900e-003	0.2579	0.0678	2.1700e-003	0.0699		243.1743	243.1743	0.0172		243.5351
Total	**0.8520**	**0.2403**	**2.1773**	**2.8600e-003**	**0.2555**	**2.3900e-003**	**0.2579**	**0.0678**	**2.1700e-003**	**0.0699**		**243.1743**	**243.1743**	**0.0172**		**243.5351**

3.5 Building Construction - 2015

Unmitigated Construction On-Site

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

3.5 Building Construction - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.5475	15.1162	38.6484	0.0305	0.8391	0.2756	1.1147	0.2393	0.2532	0.4925		3,044.4183	3,044.4183	0.0305		3,045.0583
Worker	29.0092	8.1828	74.1361	0.0975	8.6984	0.0815	8.7799	2.3067	0.0739	2.3807		8,280.0864	8,280.0864	0.5849		8,292.3684
Total	**35.5567**	**23.2990**	**112.7846**	**0.1280**	**9.5375**	**0.3571**	**9.8946**	**2.5460**	**0.3271**	**2.8731**		**11,324.5046**	**11,324.5046**	**0.6153**		**11,337.4267**

Mitigated Construction On-Site

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

3.5 Building Construction - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.5475	15.1162	38.6484	0.0305	0.8391	0.2756	1.1147	0.2393	0.2532	0.4925		3,044.4183	3,044.4183	0.0305		3,045.0583
Worker	29.0092	8.1828	74.1361	0.0975	8.6984	0.0815	8.7799	2.3067	0.0739	2.3807		8,280.0864	8,280.0864	0.5849		8,292.3684
Total	**35.5567**	**23.2990**	**112.7846**	**0.1280**	**9.5375**	**0.3571**	**9.8946**	**2.5460**	**0.3271**	**2.8731**		**11,324.5046**	**11,324.5046**	**0.6153**		**11,337.4267**

3.5 Building Construction - 2016

Unmitigated Construction On-Site

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

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.7402	13.1751	36.0814	0.0304	0.8394	0.2194	1.0588	0.2394	0.2016	0.4410		3,010.2970	3,010.2970	0.0266		3,010.8558
Worker	26.3409	7.2236	64.7196	0.0974	8.6984	0.0756	8.7741	2.3067	0.0689	2.3757		7,973.7021	7,973.7021	0.5253		7,984.7327
Total	**32.0811**	**20.3987**	**100.8010**	**0.1278**	**9.5378**	**0.2950**	**9.8328**	**2.5461**	**0.2705**	**2.8166**		**10,983.9991**	**10,983.9991**	**0.5519**		**10,995.5885**

Mitigated Construction On-Site

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

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.7402	13.1751	36.0814	0.0304	0.8394	0.2194	1.0588	0.2394	0.2016	0.4410		3,010.2970	3,010.2970	0.0266		3,010.8558
Worker	26.3409	7.2236	64.7196	0.0974	8.6984	0.0756	8.7741	2.3067	0.0689	2.3757		7,973.7021	7,973.7021	0.5253		7,984.7327
Total	**32.0811**	**20.3987**	**100.8010**	**0.1278**	**9.5378**	**0.2950**	**9.8328**	**2.5461**	**0.2705**	**2.8166**		**10,983.9991**	**10,983.9991**	**0.5519**		**10,995.5885**

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	**3.1024**	**26.4057**	**18.1291**	**0.0268**		**1.7812**	**1.7812**		**1.6730**	**1.6730**		**2,639.8053**	**2,639.8053**	**0.6497**		**2,653.4490**

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.1280	11.9711	34.3896	0.0304	0.8398	0.1876	1.0274	0.2396	0.1724	0.4120		2,962.6263	2,962.6263	0.0248		2,963.1471
Worker	23.7495	6.3540	55.8648	0.0972	8.6984	0.0708	8.7692	2.3067	0.0649	2.3717		7,655.1531	7,655.1531	0.4714		7,665.0527
Total	**28.8775**	**18.3251**	**90.2543**	**0.1276**	**9.5383**	**0.2584**	**9.7967**	**2.5463**	**0.2373**	**2.7836**		**10,617.7794**	**10,617.7794**	**0.4962**		**10,628.1998**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0995	26.3814	18.1125	0.0268		1.7796	1.7796		1.6714	1.6714	0.0000	2,637.3834	2,637.3834	0.6491		2,651.0146
Total	**3.0995**	**26.3814**	**18.1125**	**0.0268**		**1.7796**	**1.7796**		**1.6714**	**1.6714**	**0.0000**	**2,637.3834**	**2,637.3834**	**0.6491**		**2,651.0146**

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.1280	11.9711	34.3896	0.0304	0.8398	0.1876	1.0274	0.2396	0.1724	0.4120		2,962.6263	2,962.6263	0.0248		2,963.1471
Worker	23.7495	6.3540	55.8648	0.0972	8.6984	0.0708	8.7692	2.3067	0.0649	2.3717		7,655.1531	7,655.1531	0.4714		7,665.0527
Total	**28.8775**	**18.3251**	**90.2543**	**0.1276**	**9.5383**	**0.2584**	**9.7967**	**2.5463**	**0.2373**	**2.7836**		**10,617.7794**	**10,617.7794**	**0.4962**		**10,628.1998**

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**		**2,609.9390**	**2,609.9390**	**0.6387**		**2,623.3517**

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.6022	11.0855	32.7838	0.0303	0.8401	0.1609	1.0010	0.2397	0.1479	0.3876		2,914.8490	2,914.8490	0.0232		2,915.3359
Worker	21.5258	5.6350	48.6359	0.0971	8.6984	0.0673	8.7658	2.3067	0.0621	2.3688		7,364.3389	7,364.3389	0.4274		7,373.3152
Total	**26.1279**	**16.7205**	**81.4197**	**0.1274**	**9.5385**	**0.2282**	**9.7667**	**2.5464**	**0.2100**	**2.7564**		**10,279.1880**	**10,279.1880**	**0.4506**		**10,288.6511**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6662	23.2395	17.5166	0.0268		1.4929	1.4929		1.4035	1.4035	0.0000	2,607.5445	2,607.5445	0.6381		2,620.9449
Total	**2.6662**	**23.2395**	**17.5166**	**0.0268**		**1.4929**	**1.4929**		**1.4035**	**1.4035**	**0.0000**	**2,607.5445**	**2,607.5445**	**0.6381**		**2,620.9449**

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.6022	11.0855	32.7838	0.0303	0.8401	0.1609	1.0010	0.2397	0.1479	0.3876		2,914.8490	2,914.8490	0.0232		2,915.3359
Worker	21.5258	5.6350	48.6359	0.0971	8.6984	0.0673	8.7658	2.3067	0.0621	2.3688		7,364.3389	7,364.3389	0.4274		7,373.3152
Total	**26.1279**	**16.7205**	**81.4197**	**0.1274**	**9.5385**	**0.2282**	**9.7667**	**2.5464**	**0.2100**	**2.7564**		**10,279.1880**	**10,279.1880**	**0.4506**		**10,288.6511**

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6114**	**17.1628**	**14.4944**	**0.0223**		**0.9386**	**0.9386**		**0.8635**	**0.8635**		**2,245.2695**	**2,245.2695**	**0.6990**		**2,259.9481**

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4741	0.1241	1.0713	2.1400e-003	0.1916	1.4800e-003	0.1931	0.0508	1.3700e-003	0.0522		162.2101	162.2101	9.4100e-003		162.4078
Total	**0.4741**	**0.1241**	**1.0713**	**2.1400e-003**	**0.1916**	**1.4800e-003**	**0.1931**	**0.0508**	**1.3700e-003**	**0.0522**		**162.2101**	**162.2101**	**9.4100e-003**		**162.4078**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6099	17.1470	14.4811	0.0223		0.9378	0.9378		0.8628	0.8628	0.0000	2,243.2096	2,243.2096	0.6983		2,257.8747
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6099**	**17.1470**	**14.4811**	**0.0223**		**0.9378**	**0.9378**		**0.8628**	**0.8628**	**0.0000**	**2,243.2096**	**2,243.2096**	**0.6983**		**2,257.8747**

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4741	0.1241	1.0713	2.1400e-003	0.1916	1.4800e-003	0.1931	0.0508	1.3700e-003	0.0522		162.2101	162.2101	9.4100e-003		162.4078
Total	**0.4741**	**0.1241**	**1.0713**	**2.1400e-003**	**0.1916**	**1.4800e-003**	**0.1931**	**0.0508**	**1.3700e-003**	**0.0522**		**162.2101**	**162.2101**	**9.4100e-003**		**162.4078**

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	933.8672					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	**934.1658**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**		**281.4485**	**281.4485**	**0.0267**		**282.0102**

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.2988	1.1254	9.7129	0.0194	1.7371	0.0134	1.7506	0.4607	0.0124	0.4731		1,470.7050	1,470.7050	0.0854		1,472.4976
Total	**4.2988**	**1.1254**	**9.7129**	**0.0194**	**1.7371**	**0.0134**	**1.7506**	**0.4607**	**0.0124**	**0.4731**		**1,470.7050**	**1,470.7050**	**0.0854**		**1,472.4976**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	933.8672					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2984	2.0039	1.8525	2.9700e-003		0.1504	0.1504		0.1504	0.1504	0.0000	281.1903	281.1903	0.0267		281.7514
Total	**934.1655**	**2.0039**	**1.8525**	**2.9700e-003**		**0.1504**	**0.1504**		**0.1504**	**0.1504**	**0.0000**	**281.1903**	**281.1903**	**0.0267**		**281.7514**

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.2988	1.1254	9.7129	0.0194	1.7371	0.0134	1.7506	0.4607	0.0124	0.4731		1,470.7050	1,470.7050	0.0854		1,472.4976
Total	**4.2988**	**1.1254**	**9.7129**	**0.0194**	**1.7371**	**0.0134**	**1.7506**	**0.4607**	**0.0124**	**0.4731**		**1,470.7050**	**1,470.7050**	**0.0854**		**1,472.4976**

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	135.4049	108.7430	438.5722	0.6365	43.3161	1.2784	44.5946	11.5887	1.1751	12.7638		54,609.6342	54,609.6342	2.6195		54,664.6437
Unmitigated	135.4049	108.7430	438.5722	0.6365	43.3161	1.2784	44.5946	11.5887	1.1751	12.7638		54,609.6342	54,609.6342	2.6195		54,664.6437

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	138.39	150.36	127.47	494,881	494,881
Condo/Townhouse	204.29	221.96	188.17	730,539	730,539
Condo/Townhouse High Rise	4,902.96	5,327.04	4516.08	17,532,940	17,532,940
User Defined Retail	0.00	0.00	0.00		
Total	5,245.64	5,699.36	4,831.72	18,758,360	18,758,360

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 Mid Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse High Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
User Defined Retail	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.381852	0.086091	0.200079	0.163903	0.085749	0.010610	0.015453	0.038109	0.001550	0.000665	0.009389	0.000881	0.005669

4.4 Fleet Mix

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
NaturalGas Unmitigated	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542

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 Mid Rise	250.564	2.7000e-003	0.0231	9.8300e-003	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4781	29.4781	5.6000e-004	5.4000e-004	29.6575
Condo/Townhouse	584.066	6.3000e-003	0.0538	0.0229	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003		68.7137	68.7137	1.3200e-003	1.2600e-003	69.1319
Condo/Townhouse High Rise	14017.6	0.1512	1.2918	0.5497	8.2500e-003		0.1044	0.1044		0.1044	0.1044		1,649.1285	1,649.1285	0.0316	0.0302	1,659.1648
User Defined Retail	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
Total		**0.1602**	**1.3687**	**0.5824**	**8.7400e-003**		**0.1107**	**0.1107**		**0.1107**	**0.1107**		**1,747.3203**	**1,747.3203**	**0.0335**	**0.0320**	**1,757.9542**

5.2 Energy by Land Use - NaturalGas

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					
Condo/Townhouse	0.584066	6.3000e-003	0.0538	0.0229	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003		68.7137	68.7137	1.3200e-003	1.2600e-003	69.1319
Condo/Townhouse High Rise	14.0176	0.1512	1.2918	0.5497	8.2500e-003		0.1044	0.1044		0.1044	0.1044		1,649.1285	1,649.1285	0.0316	0.0302	1,659.1648
User Defined Retail	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
Apartments Mid Rise	0.250564	2.7000e-003	0.0231	9.8300e-003	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4781	29.4781	5.6000e-004	5.4000e-004	29.6575
Total		**0.1602**	**1.3687**	**0.5824**	**8.7400e-003**		**0.1107**	**0.1107**		**0.1107**	**0.1107**		**1,747.3203**	**1,747.3203**	**0.0335**	**0.0320**	**1,757.9542**

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	1,271.1143	17.3009	1,567.0250	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3229	31,495.6206	20.5192	1.7388	32,465.5596
Unmitigated	1,271.1143	17.3009	1,567.0250	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3229	31,495.6206	20.5192	1.7388	32,465.5596

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	13.8588					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	36.9950					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,218.1944	16.5276	1,500.6847	0.5862		210.8371	210.8371		210.8309	210.8309	22,106.2977	9,271.0588	31,377.3565	20.4004	1.7388	32,344.8022
Landscaping	2.0661	0.7733	66.3403	3.4700e-003		0.3602	0.3602		0.3602	0.3602		118.2641	118.2641	0.1187		120.7574
Total	**1,271.1143**	**17.3009**	**1,567.0250**	**0.5896**		**211.1973**	**211.1973**		**211.1911**	**211.1911**	**22,106.2977**	**9,389.3229**	**31,495.6206**	**20.5192**	**1.7388**	**32,465.5596**

6.2 Area by SubCategory

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	13.8588					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	36.9950					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,218.1944	16.5276	1,500.6847	0.5862		210.8371	210.8371		210.8309	210.8309	22,106.2977	9,271.0588	31,377.3565	20.4004	1.7388	32,344.8022
Landscaping	2.0661	0.7733	66.3403	3.4700e-003		0.3602	0.3602		0.3602	0.3602		118.2641	118.2641	0.1187		120.7574
Total	**1,271.1143**	**17.3009**	**1,567.0250**	**0.5896**		**211.1973**	**211.1973**		**211.1911**	**211.1911**	**22,106.2977**	**9,389.3229**	**31,495.6206**	**20.5192**	**1.7388**	**32,465.5596**

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
Pressure Washers	1	2.00	180	13	0.30	Diesel
Signal Boards	1	24.00	365	6	0.82	Diesel
Tractors/Loaders/Backhoes	1	4.00	180	97	0.37	Diesel

UnMitigated/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
Equipment Type	lb/day										lb/day					
Pressure Washers	0.0120	0.0834	0.0619	1.4000e-004		4.3000e-003	4.3000e-003		4.3000e-003	4.3000e-003		9.7725	9.7725	1.0800e-003		9.7953
Signal Boards	0.1721	1.0783	0.9031	2.0800e-003		0.0419	0.0419		0.0419	0.0419		147.9406	147.9406	0.0154		148.2632
Tractors/Loaders/ Backhoes	0.1584	1.5219	1.1969	1.5600e-003		0.1145	0.1145		0.1053	0.1053		159.1325	159.1325	0.0488		160.1564
Total	**0.3425**	**2.6835**	**2.1619**	**3.7800e-003**		**0.1607**	**0.1607**		**0.1515**	**0.1515**		**316.8456**	**316.8456**	**0.0652**		**318.2148**

10.0 Vegetation

VSVSP Operational - Landscape Maintenance and Offroad Equipment

Mountain Counties Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	3.22	Acre	3.22	140,263.20	0
Other Asphalt Surfaces	7.61	Acre	7.61	331,491.60	0
Parking Lot	10.67	Acre	10.67	464,785.20	0
Apartments Mid Rise	21.00	Dwelling Unit	0.65	31,071.00	60
Condo/Townhouse	31.00	Dwelling Unit	9.70	103,000.00	89
Condo/Townhouse High Rise	744.00	Dwelling Unit	17.81	1,258,958.00	2128
User Defined Retail	75.00	User Defined Unit	7.43	335,708.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	8
Climate Zone	14			**Operational Year**	2017
Utility Company	Sierra Pacific Resources				
CO2 Intensity (lb/MWhr)	1328.16	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	21,000.00	31,071.00
tblLandUse	LandUseSquareFeet	31,000.00	103,000.00
tblLandUse	LandUseSquareFeet	744,000.00	1,258,958.00
tblLandUse	LandUseSquareFeet	0.00	335,708.00
tblLandUse	LotAcreage	0.55	0.65
tblLandUse	LotAcreage	1.94	9.70
tblLandUse	LotAcreage	11.63	17.81
tblLandUse	LotAcreage	0.00	7.43
tblLandUseChange	CO2peracre	14.30	111.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	52.9844	79.2349	185.8346	0.2610	18.2962	3.8046	21.3866	9.9917	3.5002	12.8348	0.0000	23,587.0559	23,587.0559	1.9536	0.0000	23,628.0814
2016	47.8334	63.6227	166.2630	0.2606	15.4810	2.5396	18.0206	4.1407	2.3733	6.5140	0.0000	22,964.2871	22,964.2871	1.5447	0.0000	22,996.7265
2017	43.0379	58.0650	149.5738	0.2604	15.4819	2.2803	17.7622	4.1410	2.1314	6.2725	0.0000	22,281.8044	22,281.8044	1.4437	0.0000	22,312.1220
2018	38.7601	52.2817	135.0032	0.2602	15.4824	1.9341	17.4165	4.1412	1.8094	5.9506	0.0000	21,645.7632	21,645.7632	1.3600	0.0000	21,674.3240
2019	35.5398	47.7815	123.9358	0.2595	15.4831	1.6978	17.1809	4.1415	1.5884	5.7299	0.0000	21,022.7133	21,022.7133	1.2937	0.0000	21,049.8817
2020	840.0479	41.8277	114.8837	0.2593	15.4839	1.4838	16.9677	4.1418	1.3883	5.5301	0.0000	20,361.9662	20,361.9662	1.2431	0.0000	20,388.0708
Total	**1,058.2034**	**342.8135**	**875.4942**	**1.5610**	**95.7083**	**13.7403**	**108.7344**	**30.6980**	**12.7910**	**42.8320**	**0.0000**	**131,863.5901**	**131,863.5901**	**8.8389**	**0.0000**	**132,049.2063**

2.1 Overall Construction (Maximum Daily Emission)

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	52.9810	79.1624	185.8174	0.2609	18.2962	3.8011	21.3838	9.9917	3.4970	12.8322	0.0000	23,584.5884	23,584.5884	1.9518	0.0000	23,625.5765
2016	47.8303	63.5965	166.2460	0.2606	15.4810	2.5378	18.0188	4.1407	2.3716	6.5123	0.0000	22,961.8381	22,961.8381	1.5441	0.0000	22,994.2648
2017	43.0350	58.0408	149.5572	0.2604	15.4819	2.2787	17.7606	4.1410	2.1299	6.2709	0.0000	22,279.3826	22,279.3826	1.4431	0.0000	22,309.6876
2018	38.7577	52.2603	134.9872	0.2601	15.4824	1.9328	17.4151	4.1412	1.8081	5.9493	0.0000	21,643.3687	21,643.3687	1.3595	0.0000	21,671.9172
2019	35.5377	47.7623	123.9201	0.2595	15.4831	1.6966	17.1797	4.1415	1.5873	5.7288	0.0000	21,020.3456	21,020.3456	1.2932	0.0000	21,047.5019
2020	840.0476	41.8102	114.8682	0.2593	15.4839	1.4828	16.9666	4.1418	1.3873	5.5292	0.0000	20,359.6336	20,359.6336	1.2425	0.0000	20,385.7263
Total	**1,058.1893**	**342.6325**	**875.3962**	**1.5608**	**95.7083**	**13.7298**	**108.7246**	**30.6980**	**12.7812**	**42.8228**	**0.0000**	**131,849.1570**	**131,849.1570**	**8.8342**	**0.0000**	**132,034.6743**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.05**	**0.01**	**0.01**	**0.00**	**0.08**	**0.01**	**0.00**	**0.08**	**0.02**	**0.00**	**0.01**	**0.01**	**0.05**	**0.00**	**0.01**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,294.4534	17.3009	1,567.0272	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3276	31,495.6253	20.5192	1.7388	32,465.5646
Energy	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
Mobile	116.0846	96.3541	384.7504	0.6825	43.3161	1.2728	44.5889	11.5887	1.1699	12.7586		58,409.8134	58,409.8134	2.6175		58,464.7815
Total	**1,410.6982**	**115.0238**	**1,952.3601**	**1.2809**	**43.3161**	**212.5807**	**255.8969**	**11.5887**	**212.4717**	**224.0604**	**22,106.2977**	**69,546.4612**	**91,652.7589**	**23.1702**	**1.7709**	**92,688.3002**

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	1,294.4534	17.3009	1,567.0272	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3276	31,495.6253	20.5192	1.7388	32,465.5646
Energy	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
Mobile	116.0846	96.3541	384.7504	0.6825	43.3161	1.2728	44.5889	11.5887	1.1699	12.7586		58,409.8134	58,409.8134	2.6175		58,464.7815
Total	**1,410.6982**	**115.0238**	**1,952.3601**	**1.2809**	**43.3161**	**212.5807**	**255.8969**	**11.5887**	**212.4717**	**224.0604**	**22,106.2977**	**69,546.4612**	**91,652.7589**	**23.1702**	**1.7709**	**92,688.3002**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	4/8/2015	5	70	
2	Site Preparation	Site Preparation	4/9/2015	6/3/2015	5	40	
3	Grading	Grading	6/4/2015	11/4/2015	5	110	
4	Building Construction	Building Construction	11/5/2015	2/5/2020	5	1110	
5	Paving	Paving	2/6/2020	5/20/2020	5	75	
6	Architectural Coating	Architectural Coating	5/21/2020	9/2/2020	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 0

Residential Indoor: 2,820,884; Residential Outdoor: 940,295; Non-Residential Indoor: 1,232,110; Non-Residential Outdoor: 410,703

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	409.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,074.00	294.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	215.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2656	0.0000	1.2656	0.1916	0.0000	0.1916			0.0000			0.0000
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858		4,127.1934	4,127.1934	1.1188		4,150.6886
Total	**4.5083**	**48.3629**	**36.0738**	**0.0399**	**1.2656**	**2.4508**	**3.7165**	**0.1916**	**2.2858**	**2.4774**		**4,127.1934**	**4,127.1934**	**1.1188**		**4,150.6886**

3.2 Demolition - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6533	1.8412	1.7711	4.3700e-003	0.1017	0.0332	0.1348	0.0278	0.0305	0.0583		443.5810	443.5810	3.7200e-003		443.6592
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5347	0.1412	1.6748	2.3800e-003	0.1916	1.7900e-003	0.1934	0.0508	1.6300e-003	0.0524		201.8239	201.8239	0.0129		202.0944
Total	**1.1879**	**1.9823**	**3.4458**	**6.7500e-003**	**0.2933**	**0.0349**	**0.3282**	**0.0786**	**0.0321**	**0.1107**		**645.4049**	**645.4049**	**0.0166**		**645.7536**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2656	0.0000	1.2656	0.1916	0.0000	0.1916			0.0000			0.0000
Off-Road	4.5041	48.3186	36.0407	0.0399		2.4486	2.4486		2.2837	2.2837	0.0000	4,123.4069	4,123.4069	1.1178		4,146.8806
Total	**4.5041**	**48.3186**	**36.0407**	**0.0399**	**1.2656**	**2.4486**	**3.7142**	**0.1916**	**2.2837**	**2.4753**	**0.0000**	**4,123.4069**	**4,123.4069**	**1.1178**		**4,146.8806**

3.2 Demolition - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6533	1.8412	1.7711	4.3700e-003	5.4319	0.0332	5.4650	1.3362	0.0305	1.3666		443.5810	443.5810	3.7200e-003		443.6592
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5347	0.1412	1.6748	2.3800e-003	0.1916	1.7900e-003	0.1934	0.0508	1.6300e-003	0.0524		201.8239	201.8239	0.0129		202.0944
Total	**1.1879**	**1.9823**	**3.4458**	**6.7500e-003**	**5.6235**	**0.0349**	**5.6584**	**1.3870**	**0.0321**	**1.4191**		**645.4049**	**645.4049**	**0.0166**		**645.7536**

3.3 Site Preparation - 2015

Unmitigated Construction On-Site

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

3.3 Site Preparation - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6416	0.1694	2.0097	2.8500e-003	0.2299	2.1500e-003	0.2321	0.0610	1.9500e-003	0.0629		242.1887	242.1887	0.0155		242.5133
Total	**0.6416**	**0.1694**	**2.0097**	**2.8500e-003**	**0.2299**	**2.1500e-003**	**0.2321**	**0.0610**	**1.9500e-003**	**0.0629**		**242.1887**	**242.1887**	**0.0155**		**242.5133**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2561	56.8375	42.5927	0.0391		3.0855	3.0855		2.8386	2.8386	0.0000	4,107.9721	4,107.9721	1.2264		4,133.7265
Total	**5.2561**	**56.8375**	**42.5927**	**0.0391**	**18.0663**	**3.0855**	**21.1517**	**9.9307**	**2.8386**	**12.7693**	**0.0000**	**4,107.9721**	**4,107.9721**	**1.2264**		**4,133.7265**

3.3 Site Preparation - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6416	0.1694	2.0097	2.8500e-003	0.2299	2.1500e-003	0.2321	0.0610	1.9500e-003	0.0629		242.1887	242.1887	0.0155		242.5133
Total	**0.6416**	**0.1694**	**2.0097**	**2.8500e-003**	**0.2299**	**2.1500e-003**	**0.2321**	**0.0610**	**1.9500e-003**	**0.0629**		**242.1887**	**242.1887**	**0.0155**		**242.5133**

3.4 Grading - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.2433	6,486.2433	1.9364		6,526.9080
Total	**6.7751**	**79.0467**	**50.8400**	**0.0618**	**8.6733**	**3.8022**	**12.4755**	**3.5965**	**3.4980**	**7.0945**		**6,486.2433**	**6,486.2433**	**1.9364**		**6,526.9080**

3.4 Grading - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7129	0.1882	2.2330	3.1700e-003	0.2555	2.3900e-003	0.2579	0.0678	2.1700e-003	0.0699		269.0985	269.0985	0.0172		269.4592
Total	**0.7129**	**0.1882**	**2.2330**	**3.1700e-003**	**0.2555**	**2.3900e-003**	**0.2579**	**0.0678**	**2.1700e-003**	**0.0699**		**269.0985**	**269.0985**	**0.0172**		**269.4592**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.7689	78.9742	50.7933	0.0617		3.7987	3.7987		3.4948	3.4948	0.0000	6,480.2925	6,480.2925	1.9346		6,520.9199
Total	**6.7689**	**78.9742**	**50.7933**	**0.0617**	**8.6733**	**3.7987**	**12.4720**	**3.5965**	**3.4948**	**7.0913**	**0.0000**	**6,480.2925**	**6,480.2925**	**1.9346**		**6,520.9199**

3.4 Grading - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7129	0.1882	2.2330	3.1700e-003	0.2555	2.3900e-003	0.2579	0.0678	2.1700e-003	0.0699		269.0985	269.0985	0.0172		269.4592
Total	**0.7129**	**0.1882**	**2.2330**	**3.1700e-003**	**0.2555**	**2.3900e-003**	**0.2579**	**0.0678**	**2.1700e-003**	**0.0699**		**269.0985**	**269.0985**	**0.0172**		**269.4592**

3.5 Building Construction - 2015

Unmitigated Construction On-Site

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

3.5 Building Construction - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	11.0422	30.0372	47.1767	0.0640	1.7621	0.5686	2.3307	0.5025	0.5224	1.0249		6,446.8889	6,446.8889	0.0624		6,448.1983
Worker	38.2831	10.1073	119.9134	0.1702	13.7182	0.1285	13.8467	3.6379	0.1166	3.7545		14,450.5899	14,450.5899	0.9224		14,469.9598
Total	**49.3253**	**40.1445**	**167.0901**	**0.2342**	**15.4803**	**0.6971**	**16.1774**	**4.1404**	**0.6390**	**4.7794**		**20,897.4788**	**20,897.4788**	**0.9847**		**20,918.1581**

Mitigated Construction On-Site

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

3.5 Building Construction - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	11.0422	30.0372	47.1767	0.0640	1.7621	0.5686	2.3307	0.5025	0.5224	1.0249		6,446.8889	6,446.8889	0.0624		6,448.1983
Worker	38.2831	10.1073	119.9134	0.1702	13.7182	0.1285	13.8467	3.6379	0.1166	3.7545		14,450.5899	14,450.5899	0.9224		14,469.9598
Total	**49.3253**	**40.1445**	**167.0901**	**0.2342**	**15.4803**	**0.6971**	**16.1774**	**4.1404**	**0.6390**	**4.7794**		**20,897.4788**	**20,897.4788**	**0.9847**		**20,918.1581**

3.5 Building Construction - 2016

Unmitigated Construction On-Site

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

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.7013	26.1912	42.1346	0.0638	1.7627	0.4530	2.2157	0.5028	0.4162	0.9189		6,374.9576	6,374.9576	0.0543		6,376.0981
Worker	34.7259	8.9252	105.6218	0.1700	13.7182	0.1193	13.8375	3.6379	0.1087	3.7466		13,920.0431	13,920.0431	0.8284		13,937.4394
Total	**44.4272**	**35.1163**	**147.7564**	**0.2338**	**15.4810**	**0.5722**	**16.0532**	**4.1407**	**0.5249**	**4.6656**		**20,295.0007**	**20,295.0007**	**0.8827**		**20,313.5375**

Mitigated Construction On-Site

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

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.7013	26.1912	42.1346	0.0638	1.7627	0.4530	2.2157	0.5028	0.4162	0.9189		6,374.9576	6,374.9576	0.0543		6,376.0981
Worker	34.7259	8.9252	105.6218	0.1700	13.7182	0.1193	13.8375	3.6379	0.1087	3.7466		13,920.0431	13,920.0431	0.8284		13,937.4394
Total	**44.4272**	**35.1163**	**147.7564**	**0.2338**	**15.4810**	**0.5722**	**16.0532**	**4.1407**	**0.5249**	**4.6656**		**20,295.0007**	**20,295.0007**	**0.8827**		**20,313.5375**

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	**3.1024**	**26.4057**	**18.1291**	**0.0268**		**1.7812**	**1.7812**		**1.6730**	**1.6730**		**2,639.8053**	**2,639.8053**	**0.6497**		**2,653.4490**

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.6729	23.8069	39.1020	0.0637	1.7636	0.3875	2.1511	0.5031	0.3561	0.8592		6,274.1597	6,274.1597	0.0505		6,275.2209
Worker	31.2626	7.8525	92.3427	0.1698	13.7182	0.1116	13.8299	3.6379	0.1024	3.7403		13,367.8395	13,367.8395	0.7435		13,383.4521
Total	**39.9355**	**31.6594**	**131.4447**	**0.2336**	**15.4819**	**0.4991**	**15.9810**	**4.1410**	**0.4584**	**4.5995**		**19,641.9991**	**19,641.9991**	**0.7940**		**19,658.6730**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0995	26.3814	18.1125	0.0268		1.7796	1.7796		1.6714	1.6714	0.0000	2,637.3834	2,637.3834	0.6491		2,651.0146
Total	**3.0995**	**26.3814**	**18.1125**	**0.0268**		**1.7796**	**1.7796**		**1.6714**	**1.6714**	**0.0000**	**2,637.3834**	**2,637.3834**	**0.6491**		**2,651.0146**

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.6729	23.8069	39.1020	0.0637	1.7636	0.3875	2.1511	0.5031	0.3561	0.8592		6,274.1597	6,274.1597	0.0505		6,275.2209
Worker	31.2626	7.8525	92.3427	0.1698	13.7182	0.1116	13.8299	3.6379	0.1024	3.7403		13,367.8395	13,367.8395	0.7435		13,383.4521
Total	**39.9355**	**31.6594**	**131.4447**	**0.2336**	**15.4819**	**0.4991**	**15.9810**	**4.1410**	**0.4584**	**4.5995**		**19,641.9991**	**19,641.9991**	**0.7940**		**19,658.6730**

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**		**2,609.9390**	**2,609.9390**	**0.6387**		**2,623.3517**

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.8105	22.0555	36.0309	0.0637	1.7641	0.3337	2.0978	0.5033	0.3067	0.8100		6,173.1024	6,173.1024	0.0472		6,174.0942
Worker	28.2810	6.9654	81.4397	0.1697	13.7182	0.1062	13.8244	3.6379	0.0979	3.7359		12,862.7218	12,862.7218	0.6741		12,876.8781
Total	**36.0914**	**29.0208**	**117.4706**	**0.2333**	**15.4824**	**0.4399**	**15.9222**	**4.1412**	**0.4046**	**4.5458**		**19,035.8242**	**19,035.8242**	**0.7213**		**19,050.9723**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6662	23.2395	17.5166	0.0268		1.4929	1.4929		1.4035	1.4035	0.0000	2,607.5445	2,607.5445	0.6381		2,620.9449
Total	**2.6662**	**23.2395**	**17.5166**	**0.0268**		**1.4929**	**1.4929**		**1.4035**	**1.4035**	**0.0000**	**2,607.5445**	**2,607.5445**	**0.6381**		**2,620.9449**

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.8105	22.0555	36.0309	0.0637	1.7641	0.3337	2.0978	0.5033	0.3067	0.8100		6,173.1024	6,173.1024	0.0472		6,174.0942
Worker	28.2810	6.9654	81.4397	0.1697	13.7182	0.1062	13.8244	3.6379	0.0979	3.7359		12,862.7218	12,862.7218	0.6741		12,876.8781
Total	**36.0914**	**29.0208**	**117.4706**	**0.2333**	**15.4824**	**0.4399**	**15.9222**	**4.1412**	**0.4046**	**4.5458**		**19,035.8242**	**19,035.8242**	**0.7213**		**19,050.9723**

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	**2.3516**	**20.9650**	**17.1204**	**0.0268**		**1.2850**	**1.2850**		**1.2083**	**1.2083**		**2,580.7618**	**2,580.7618**	**0.6279**		**2,593.9479**

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.0702	20.5431	33.5394	0.0636	1.7648	0.3106	2.0755	0.5036	0.2856	0.7892		6,072.7091	6,072.7091	0.0459		6,073.6737
Worker	26.1180	6.2734	73.2761	0.1691	13.7182	0.1021	13.8204	3.6379	0.0945	3.7325		12,369.2425	12,369.2425	0.6199		12,382.2601
Total	**33.1882**	**26.8165**	**106.8155**	**0.2327**	**15.4831**	**0.4128**	**15.8959**	**4.1415**	**0.3801**	**4.5216**		**18,441.9516**	**18,441.9516**	**0.6658**		**18,455.9338**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3495	20.9458	17.1046	0.0268		1.2839	1.2839		1.2072	1.2072	0.0000	2,578.3941	2,578.3941	0.6273		2,591.5681
Total	**2.3495**	**20.9458**	**17.1046**	**0.0268**		**1.2839**	**1.2839**		**1.2072**	**1.2072**	**0.0000**	**2,578.3941**	**2,578.3941**	**0.6273**		**2,591.5681**

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.0702	20.5431	33.5394	0.0636	1.7648	0.3106	2.0755	0.5036	0.2856	0.7892		6,072.7091	6,072.7091	0.0459		6,073.6737
Worker	26.1180	6.2734	73.2761	0.1691	13.7182	0.1021	13.8204	3.6379	0.0945	3.7325		12,369.2425	12,369.2425	0.6199		12,382.2601
Total	**33.1882**	**26.8165**	**106.8155**	**0.2327**	**15.4831**	**0.4128**	**15.8959**	**4.1415**	**0.3801**	**4.5216**		**18,441.9516**	**18,441.9516**	**0.6658**		**18,455.9338**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	**2.1113**	**19.0839**	**16.8084**	**0.0268**		**1.1128**	**1.1128**		**1.0465**	**1.0465**		**2,542.4799**	**2,542.4799**	**0.6194**		**2,555.4880**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.4429	17.0194	31.2644	0.0635	1.7656	0.2712	2.0368	0.5039	0.2494	0.7533		5,937.4810	5,937.4810	0.0439		5,938.4036
Worker	24.4218	5.7244	66.8108	0.1690	13.7182	0.0998	13.8180	3.6379	0.0925	3.7304		11,882.0053	11,882.0053	0.5797		11,894.1791
Total	**30.8647**	**22.7438**	**98.0752**	**0.2325**	**15.4839**	**0.3710**	**15.8548**	**4.1418**	**0.3418**	**4.4837**		**17,819.4862**	**17,819.4862**	**0.6237**		**17,832.5828**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1093	19.0664	16.7930	0.0268		1.1118	1.1118		1.0455	1.0455	0.0000	2,540.1473	2,540.1473	0.6189		2,553.1435
Total	**2.1093**	**19.0664**	**16.7930**	**0.0268**		**1.1118**	**1.1118**		**1.0455**	**1.0455**	**0.0000**	**2,540.1473**	**2,540.1473**	**0.6189**		**2,553.1435**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.4429	17.0194	31.2644	0.0635	1.7656	0.2712	2.0368	0.5039	0.2494	0.7533		5,937.4810	5,937.4810	0.0439		5,938.4036
Worker	24.4218	5.7244	66.8108	0.1690	13.7182	0.0998	13.8180	3.6379	0.0925	3.7304		11,882.0053	11,882.0053	0.5797		11,894.1791
Total	**30.8647**	**22.7438**	**98.0752**	**0.2325**	**15.4839**	**0.3710**	**15.8548**	**4.1418**	**0.3418**	**4.4837**		**17,819.4862**	**17,819.4862**	**0.6237**		**17,832.5828**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799		2,160.7571	2,160.7571	0.6988		2,175.4326
Paving	0.6386					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9686**	**13.7845**	**14.3523**	**0.0223**		**0.7390**	**0.7390**		**0.6799**	**0.6799**		**2,160.7571**	**2,160.7571**	**0.6988**		**2,175.4326**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3411	0.0800	0.9331	2.3600e-003	0.1916	1.3900e-003	0.1930	0.0508	1.2900e-003	0.0521		165.9498	165.9498	8.1000e-003		166.1198
Total	**0.3411**	**0.0800**	**0.9331**	**2.3600e-003**	**0.1916**	**1.3900e-003**	**0.1930**	**0.0508**	**1.2900e-003**	**0.0521**		**165.9498**	**165.9498**	**8.1000e-003**		**166.1198**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3288	13.7719	14.3392	0.0223		0.7384	0.7384		0.6793	0.6793	0.0000	2,158.7747	2,158.7747	0.6982		2,173.4368
Paving	0.6386					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9674**	**13.7719**	**14.3392**	**0.0223**		**0.7384**	**0.7384**		**0.6793**	**0.6793**	**0.0000**	**2,158.7747**	**2,158.7747**	**0.6982**		**2,173.4368**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3411	0.0800	0.9331	2.3600e-003	0.1916	1.3900e-003	0.1930	0.0508	1.2900e-003	0.0521		165.9498	165.9498	8.1000e-003		166.1198
Total	**0.3411**	**0.0800**	**0.9331**	**2.3600e-003**	**0.1916**	**1.3900e-003**	**0.1930**	**0.0508**	**1.2900e-003**	**0.0521**		**165.9498**	**165.9498**	**8.1000e-003**		**166.1198**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	834.9168					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	**835.1589**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9057**

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.8889	1.1460	13.3746	0.0338	2.7462	0.0200	2.7662	0.7283	0.0185	0.7468		2,378.6137	2,378.6137	0.1161		2,381.0508
Total	**4.8889**	**1.1460**	**13.3746**	**0.0338**	**2.7462**	**0.0200**	**2.7662**	**0.7283**	**0.0185**	**0.7468**		**2,378.6137**	**2,378.6137**	**0.1161**		**2,381.0508**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	834.9168					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2420	1.6823	1.8297	2.9700e-003		0.1108	0.1108		0.1108	0.1108	0.0000	281.1898	281.1898	0.0218		281.6470
Total	**835.1587**	**1.6823**	**1.8297**	**2.9700e-003**		**0.1108**	**0.1108**		**0.1108**	**0.1108**	**0.0000**	**281.1898**	**281.1898**	**0.0218**		**281.6470**

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.8889	1.1460	13.3746	0.0338	2.7462	0.0200	2.7662	0.7283	0.0185	0.7468		2,378.6137	2,378.6137	0.1161		2,381.0508
Total	**4.8889**	**1.1460**	**13.3746**	**0.0338**	**2.7462**	**0.0200**	**2.7662**	**0.7283**	**0.0185**	**0.7468**		**2,378.6137**	**2,378.6137**	**0.1161**		**2,381.0508**

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	116.0846	96.3541	384.7504	0.6825	43.3161	1.2728	44.5889	11.5887	1.1699	12.7586		58,409.8134	58,409.8134	2.6175		58,464.7815
Unmitigated	116.0846	96.3541	384.7504	0.6825	43.3161	1.2728	44.5889	11.5887	1.1699	12.7586		58,409.8134	58,409.8134	2.6175		58,464.7815

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	138.39	150.36	127.47	494,881	494,881
Condo/Townhouse	204.29	221.96	188.17	730,539	730,539
Condo/Townhouse High Rise	4,902.96	5,327.04	4516.08	17,532,940	17,532,940
Enclosed Parking Structure	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Retail	0.00	0.00	0.00		
Total	5,245.64	5,699.36	4,831.72	18,758,360	18,758,360

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 Mid Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse High Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Enclosed Parking Structure	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
User Defined Retail	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.381852	0.086091	0.200079	0.163903	0.085749	0.010610	0.015453	0.038109	0.001550	0.000665	0.009389	0.000881	0.005669

4.4 Fleet Mix

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
NaturalGas Unmitigated	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	584.066	6.3000e-003	0.0538	0.0229	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003		68.7137	68.7137	1.3200e-003	1.2600e-003	69.1319
Condo/Townhouse High Rise	14017.6	0.1512	1.2918	0.5497	8.2500e-003		0.1044	0.1044		0.1044	0.1044		1,649.1285	1,649.1285	0.0316	0.0302	1,659.1648
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other 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
User Defined Retail	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
Apartments Mid Rise	250.564	2.7000e-003	0.0231	9.8300e-003	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4781	29.4781	5.6000e-004	5.4000e-004	29.6575
Total		**0.1602**	**1.3687**	**0.5824**	**8.7400e-003**		**0.1107**	**0.1107**		**0.1107**	**0.1107**		**1,747.3203**	**1,747.3203**	**0.0335**	**0.0320**	**1,757.9542**

5.2 Energy by Land Use - NaturalGas

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					
Condo/Townhouse	0.584066	6.3000e-003	0.0538	0.0229	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003		68.7137	68.7137	1.3200e-003	1.2600e-003	69.1319
Condo/Townhouse High Rise	14.0176	0.1512	1.2918	0.5497	8.2500e-003		0.1044	0.1044		0.1044	0.1044		1,649.1285	1,649.1285	0.0316	0.0302	1,659.1648
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other 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
User Defined Retail	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
Apartments Mid Rise	0.250564	2.7000e-003	0.0231	9.8300e-003	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4781	29.4781	5.6000e-004	5.4000e-004	29.6575
Total		**0.1602**	**1.3687**	**0.5824**	**8.7400e-003**		**0.1107**	**0.1107**		**0.1107**	**0.1107**		**1,747.3203**	**1,747.3203**	**0.0335**	**0.0320**	**1,757.9542**

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	1,294.4534	17.3009	1,567.0272	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3276	31,495.6253	20.5192	1.7388	32,465.5646
Unmitigated	1,294.4534	17.3009	1,567.0272	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3276	31,495.6253	20.5192	1.7388	32,465.5646

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	17.1558					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	57.0369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,218.1944	16.5276	1,500.6847	0.5862		210.8371	210.8371		210.8309	210.8309	22,106.2977	9,271.0588	31,377.3565	20.4004	1.7388	32,344.8022
Landscaping	2.0663	0.7733	66.3426	3.4700e-003		0.3602	0.3602		0.3602	0.3602		118.2688	118.2688	0.1187		120.7623
Total	**1,294.4534**	**17.3009**	**1,567.0272**	**0.5896**		**211.1973**	**211.1973**		**211.1911**	**211.1911**	**22,106.2977**	**9,389.3276**	**31,495.6253**	**20.5192**	**1.7388**	**32,465.5646**

6.2 Area by SubCategory

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	17.1558					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	57.0369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,218.1944	16.5276	1,500.6847	0.5862		210.8371	210.8371		210.8309	210.8309	22,106.2977	9,271.0588	31,377.3565	20.4004	1.7388	32,344.8022
Landscaping	2.0663	0.7733	66.3426	3.4700e-003		0.3602	0.3602		0.3602	0.3602		118.2688	118.2688	0.1187		120.7623
Total	**1,294.4534**	**17.3009**	**1,567.0272**	**0.5896**		**211.1973**	**211.1973**		**211.1911**	**211.1911**	**22,106.2977**	**9,389.3276**	**31,495.6253**	**20.5192**	**1.7388**	**32,465.5646**

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

10.0 Vegetation

VSVSP Operational - Landscape Maintenance and Offroad Equipment

Mountain Counties Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	3.22	Acre	3.22	140,263.20	0
Other Asphalt Surfaces	7.61	Acre	7.61	331,491.60	0
Parking Lot	10.67	Acre	10.67	464,785.20	0
Apartments Mid Rise	21.00	Dwelling Unit	0.65	31,071.00	60
Condo/Townhouse	31.00	Dwelling Unit	9.70	103,000.00	89
Condo/Townhouse High Rise	744.00	Dwelling Unit	17.81	1,258,958.00	2128
User Defined Retail	75.00	User Defined Unit	7.43	335,708.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	8
Climate Zone	14			**Operational Year**	2020
Utility Company	Sierra Pacific Resources				
CO2 Intensity (lb/MWhr)	1328.16	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - http://www.laketahoenews.net/2011/01/power-on-california-side-of-tahoe-no-longer-provided-by-sierra-pacific-power/

Land Use - Project-specific data, condensed from Table 1 in kickoff packet. For the purposes of this model run, estimating construction emissions only, the population estimates are not needed, nor accurate.

Construction Phase - See worksheet with notes about phasing.

Off-road Equipment -

Off-road Equipment - Cranes may be used when construction the taller buildings.

Off-road Equipment - Added equipment is used for the repurposing of asphalt, including an Ashalt Planer (asphalt mill), a CAT PM-201 Cold Planer, represented by a crawler tractor.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - existing buildings and parking lots

Architectural Coating - The Interior and Exterior areas were adjusted to reflect the land use amounts in the project description.

Energy Use -

Land Use Change - Vegetation loss values were provided by Ascents biological impacts analysis (prepared by CF).

Sequestration -

Operational Off-Road Equipment - This equipment is often used at ski resort communities. Loaders are typically used for snow removal.

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	21,000.00	31,071.00
tblLandUse	LandUseSquareFeet	31,000.00	103,000.00
tblLandUse	LandUseSquareFeet	744,000.00	1,258,958.00
tblLandUse	LandUseSquareFeet	0.00	335,708.00
tblLandUse	LotAcreage	0.55	0.65
tblLandUse	LotAcreage	1.94	9.70
tblLandUse	LotAcreage	11.63	17.81
tblLandUse	LotAcreage	0.00	7.43
tblLandUseChange	CO2peracre	14.30	111.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	180.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	24.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	3.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	52.9844	79.2349	185.8346	0.2610	18.2962	3.8046	21.3866	9.9917	3.5002	12.8348	0.0000	23,587.0559	23,587.0559	1.9536	0.0000	23,628.0814
2016	47.8334	63.6227	166.2630	0.2606	15.4810	2.5396	18.0206	4.1407	2.3733	6.5140	0.0000	22,964.2871	22,964.2871	1.5447	0.0000	22,996.7265
2017	43.0379	58.0650	149.5738	0.2604	15.4819	2.2803	17.7622	4.1410	2.1314	6.2725	0.0000	22,281.8044	22,281.8044	1.4437	0.0000	22,312.1220
2018	38.7601	52.2817	135.0032	0.2602	15.4824	1.9341	17.4165	4.1412	1.8094	5.9506	0.0000	21,645.7632	21,645.7632	1.3600	0.0000	21,674.3240
2019	35.5398	47.7815	123.9358	0.2595	15.4831	1.6978	17.1809	4.1415	1.5884	5.7299	0.0000	21,022.7133	21,022.7133	1.2937	0.0000	21,049.8817
2020	840.0479	41.8277	114.8837	0.2593	15.4839	1.4838	16.9677	4.1418	1.3883	5.5301	0.0000	20,361.9662	20,361.9662	1.2431	0.0000	20,388.0708
Total	**1,058.2034**	**342.8135**	**875.4942**	**1.5610**	**95.7083**	**13.7403**	**108.7344**	**30.6980**	**12.7910**	**42.8320**	**0.0000**	**131,863.5901**	**131,863.5901**	**8.8389**	**0.0000**	**132,049.2063**

2.1 Overall Construction (Maximum Daily Emission)

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	52.9810	79.1624	185.8174	0.2609	18.2962	3.8011	21.3838	9.9917	3.4970	12.8322	0.0000	23,584.5884	23,584.5884	1.9518	0.0000	23,625.5765
2016	47.8303	63.5965	166.2460	0.2606	15.4810	2.5378	18.0188	4.1407	2.3716	6.5123	0.0000	22,961.8381	22,961.8381	1.5441	0.0000	22,994.2648
2017	43.0350	58.0408	149.5572	0.2604	15.4819	2.2787	17.7606	4.1410	2.1299	6.2709	0.0000	22,279.3826	22,279.3826	1.4431	0.0000	22,309.6876
2018	38.7577	52.2603	134.9872	0.2601	15.4824	1.9328	17.4151	4.1412	1.8081	5.9493	0.0000	21,643.3687	21,643.3687	1.3595	0.0000	21,671.9172
2019	35.5377	47.7623	123.9201	0.2595	15.4831	1.6966	17.1797	4.1415	1.5873	5.7288	0.0000	21,020.3456	21,020.3456	1.2932	0.0000	21,047.5019
2020	840.0476	41.8102	114.8682	0.2593	15.4839	1.4828	16.9666	4.1418	1.3873	5.5292	0.0000	20,359.6336	20,359.6336	1.2425	0.0000	20,385.7263
Total	**1,058.1893**	**342.6325**	**875.3962**	**1.5608**	**95.7083**	**13.7298**	**108.7246**	**30.6980**	**12.7812**	**42.8228**	**0.0000**	**131,849.1570**	**131,849.1570**	**8.8342**	**0.0000**	**132,034.6743**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.05**	**0.01**	**0.01**	**0.00**	**0.08**	**0.01**	**0.00**	**0.08**	**0.02**	**0.00**	**0.01**	**0.01**	**0.05**	**0.00**	**0.01**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,294.3945	17.2898	1,566.5839	0.5896		211.1994	211.1994		211.1933	211.1933	22,106.2977	9,389.3276	31,495.6253	20.5158	1.7388	32,465.4936
Energy	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
Mobile	96.0913	74.4498	299.8462	0.6839	43.3400	1.0812	44.4212	11.5977	0.9961	12.5938		53,633.6759	53,633.6759	2.0829		53,677.4165
Offroad	0.4863	4.2360	4.3226	6.7400e-003		0.2416	0.2416		0.2256	0.2256		599.0934	599.0934	0.1613		602.4801
Total	**1,391.1323**	**97.3443**	**1,871.3351**	**1.2890**	**43.3400**	**212.6329**	**255.9729**	**11.5977**	**212.5257**	**224.1234**	**22,106.2977**	**65,369.4171**	**87,475.7148**	**22.7934**	**1.7709**	**88,503.3443**

2.2 Overall Operational

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	1,294.3945	17.2898	1,566.5839	0.5896		211.1994	211.1994		211.1933	211.1933	22,106.2977	9,389.3276	31,495.6253	20.5158	1.7388	32,465.4936
Energy	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
Mobile	96.0913	74.4498	299.8462	0.6839	43.3400	1.0812	44.4212	11.5977	0.9961	12.5938		53,633.6759	53,633.6759	2.0829		53,677.4165
Offroad	0.4863	4.2360	4.3226	6.7400e-003		0.2416	0.2416		0.2256	0.2256		599.0934	599.0934	0.1613		602.4801
Total	**1,391.1323**	**97.3443**	**1,871.3351**	**1.2890**	**43.3400**	**212.6329**	**255.9729**	**11.5977**	**212.5257**	**224.1234**	**22,106.2977**	**65,369.4171**	**87,475.7148**	**22.7934**	**1.7709**	**88,503.3443**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.03**	**4.35**	**0.23**	**0.52**	**0.00**	**0.11**	**0.09**	**0.00**	**0.11**	**0.10**	**0.00**	**0.92**	**0.68**	**0.71**	**0.00**	**0.68**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	4/8/2015	5	70	
2	Site Preparation	Site Preparation	4/9/2015	6/3/2015	5	40	
3	Grading	Grading	6/4/2015	11/4/2015	5	110	
4	Building Construction	Building Construction	11/5/2015	2/5/2020	5	1110	
5	Paving	Paving	2/6/2020	5/20/2020	5	75	
6	Architectural Coating	Architectural Coating	5/21/2020	9/2/2020	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 0

Residential Indoor: 2,820,884; Residential Outdoor: 940,295; Non-Residential Indoor: 1,232,110; Non-Residential Outdoor: 410,703

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	409.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,074.00	294.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	215.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2656	0.0000	1.2656	0.1916	0.0000	0.1916			0.0000			0.0000
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858		4,127.1934	4,127.1934	1.1188		4,150.6886
Total	**4.5083**	**48.3629**	**36.0738**	**0.0399**	**1.2656**	**2.4508**	**3.7165**	**0.1916**	**2.2858**	**2.4774**		**4,127.1934**	**4,127.1934**	**1.1188**		**4,150.6886**

3.2 Demolition - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6533	1.8412	1.7711	4.3700e-003	0.1017	0.0332	0.1348	0.0278	0.0305	0.0583		443.5810	443.5810	3.7200e-003		443.6592
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5347	0.1412	1.6748	2.3800e-003	0.1916	1.7900e-003	0.1934	0.0508	1.6300e-003	0.0524		201.8239	201.8239	0.0129		202.0944
Total	**1.1879**	**1.9823**	**3.4458**	**6.7500e-003**	**0.2933**	**0.0349**	**0.3282**	**0.0786**	**0.0321**	**0.1107**		**645.4049**	**645.4049**	**0.0166**		**645.7536**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2656	0.0000	1.2656	0.1916	0.0000	0.1916			0.0000			0.0000
Off-Road	4.5041	48.3186	36.0407	0.0399		2.4486	2.4486		2.2837	2.2837	0.0000	4,123.4069	4,123.4069	1.1178		4,146.8806
Total	**4.5041**	**48.3186**	**36.0407**	**0.0399**	**1.2656**	**2.4486**	**3.7142**	**0.1916**	**2.2837**	**2.4753**	**0.0000**	**4,123.4069**	**4,123.4069**	**1.1178**		**4,146.8806**

3.2 Demolition - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6533	1.8412	1.7711	4.3700e-003	5.4319	0.0332	5.4650	1.3362	0.0305	1.3666		443.5810	443.5810	3.7200e-003		443.6592
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5347	0.1412	1.6748	2.3800e-003	0.1916	1.7900e-003	0.1934	0.0508	1.6300e-003	0.0524		201.8239	201.8239	0.0129		202.0944
Total	**1.1879**	**1.9823**	**3.4458**	**6.7500e-003**	**5.6235**	**0.0349**	**5.6584**	**1.3870**	**0.0321**	**1.4191**		**645.4049**	**645.4049**	**0.0166**		**645.7536**

3.3 Site Preparation - 2015

Unmitigated Construction On-Site

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

3.3 Site Preparation - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6416	0.1694	2.0097	2.8500e-003	0.2299	2.1500e-003	0.2321	0.0610	1.9500e-003	0.0629		242.1887	242.1887	0.0155		242.5133
Total	**0.6416**	**0.1694**	**2.0097**	**2.8500e-003**	**0.2299**	**2.1500e-003**	**0.2321**	**0.0610**	**1.9500e-003**	**0.0629**		**242.1887**	**242.1887**	**0.0155**		**242.5133**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2561	56.8375	42.5927	0.0391		3.0855	3.0855		2.8386	2.8386	0.0000	4,107.9721	4,107.9721	1.2264		4,133.7265
Total	**5.2561**	**56.8375**	**42.5927**	**0.0391**	**18.0663**	**3.0855**	**21.1517**	**9.9307**	**2.8386**	**12.7693**	**0.0000**	**4,107.9721**	**4,107.9721**	**1.2264**		**4,133.7265**

3.3 Site Preparation - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6416	0.1694	2.0097	2.8500e-003	0.2299	2.1500e-003	0.2321	0.0610	1.9500e-003	0.0629		242.1887	242.1887	0.0155		242.5133
Total	**0.6416**	**0.1694**	**2.0097**	**2.8500e-003**	**0.2299**	**2.1500e-003**	**0.2321**	**0.0610**	**1.9500e-003**	**0.0629**		**242.1887**	**242.1887**	**0.0155**		**242.5133**

3.4 Grading - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.2433	6,486.2433	1.9364		6,526.9080
Total	**6.7751**	**79.0467**	**50.8400**	**0.0618**	**8.6733**	**3.8022**	**12.4755**	**3.5965**	**3.4980**	**7.0945**		**6,486.2433**	**6,486.2433**	**1.9364**		**6,526.9080**

3.4 Grading - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7129	0.1882	2.2330	3.1700e-003	0.2555	2.3900e-003	0.2579	0.0678	2.1700e-003	0.0699		269.0985	269.0985	0.0172		269.4592
Total	**0.7129**	**0.1882**	**2.2330**	**3.1700e-003**	**0.2555**	**2.3900e-003**	**0.2579**	**0.0678**	**2.1700e-003**	**0.0699**		**269.0985**	**269.0985**	**0.0172**		**269.4592**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.7689	78.9742	50.7933	0.0617		3.7987	3.7987		3.4948	3.4948	0.0000	6,480.2925	6,480.2925	1.9346		6,520.9199
Total	**6.7689**	**78.9742**	**50.7933**	**0.0617**	**8.6733**	**3.7987**	**12.4720**	**3.5965**	**3.4948**	**7.0913**	**0.0000**	**6,480.2925**	**6,480.2925**	**1.9346**		**6,520.9199**

3.4 Grading - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7129	0.1882	2.2330	3.1700e-003	0.2555	2.3900e-003	0.2579	0.0678	2.1700e-003	0.0699		269.0985	269.0985	0.0172		269.4592
Total	**0.7129**	**0.1882**	**2.2330**	**3.1700e-003**	**0.2555**	**2.3900e-003**	**0.2579**	**0.0678**	**2.1700e-003**	**0.0699**		**269.0985**	**269.0985**	**0.0172**		**269.4592**

3.5 Building Construction - 2015

Unmitigated Construction On-Site

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

3.5 Building Construction - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	11.0422	30.0372	47.1767	0.0640	1.7621	0.5686	2.3307	0.5025	0.5224	1.0249		6,446.8889	6,446.8889	0.0624		6,448.1983
Worker	38.2831	10.1073	119.9134	0.1702	13.7182	0.1285	13.8467	3.6379	0.1166	3.7545		14,450.5899	14,450.5899	0.9224		14,469.9598
Total	**49.3253**	**40.1445**	**167.0901**	**0.2342**	**15.4803**	**0.6971**	**16.1774**	**4.1404**	**0.6390**	**4.7794**		**20,897.4788**	**20,897.4788**	**0.9847**		**20,918.1581**

Mitigated Construction On-Site

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

3.5 Building Construction - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	11.0422	30.0372	47.1767	0.0640	1.7621	0.5686	2.3307	0.5025	0.5224	1.0249		6,446.8889	6,446.8889	0.0624		6,448.1983
Worker	38.2831	10.1073	119.9134	0.1702	13.7182	0.1285	13.8467	3.6379	0.1166	3.7545		14,450.5899	14,450.5899	0.9224		14,469.9598
Total	**49.3253**	**40.1445**	**167.0901**	**0.2342**	**15.4803**	**0.6971**	**16.1774**	**4.1404**	**0.6390**	**4.7794**		**20,897.4788**	**20,897.4788**	**0.9847**		**20,918.1581**

3.5 Building Construction - 2016

Unmitigated Construction On-Site

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

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.7013	26.1912	42.1346	0.0638	1.7627	0.4530	2.2157	0.5028	0.4162	0.9189		6,374.9576	6,374.9576	0.0543		6,376.0981
Worker	34.7259	8.9252	105.6218	0.1700	13.7182	0.1193	13.8375	3.6379	0.1087	3.7466		13,920.0431	13,920.0431	0.8284		13,937.4394
Total	**44.4272**	**35.1163**	**147.7564**	**0.2338**	**15.4810**	**0.5722**	**16.0532**	**4.1407**	**0.5249**	**4.6656**		**20,295.0007**	**20,295.0007**	**0.8827**		**20,313.5375**

Mitigated Construction On-Site

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

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.7013	26.1912	42.1346	0.0638	1.7627	0.4530	2.2157	0.5028	0.4162	0.9189		6,374.9576	6,374.9576	0.0543		6,376.0981
Worker	34.7259	8.9252	105.6218	0.1700	13.7182	0.1193	13.8375	3.6379	0.1087	3.7466		13,920.0431	13,920.0431	0.8284		13,937.4394
Total	**44.4272**	**35.1163**	**147.7564**	**0.2338**	**15.4810**	**0.5722**	**16.0532**	**4.1407**	**0.5249**	**4.6656**		**20,295.0007**	**20,295.0007**	**0.8827**		**20,313.5375**

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	**3.1024**	**26.4057**	**18.1291**	**0.0268**		**1.7812**	**1.7812**		**1.6730**	**1.6730**		**2,639.8053**	**2,639.8053**	**0.6497**		**2,653.4490**

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.6729	23.8069	39.1020	0.0637	1.7636	0.3875	2.1511	0.5031	0.3561	0.8592		6,274.1597	6,274.1597	0.0505		6,275.2209
Worker	31.2626	7.8525	92.3427	0.1698	13.7182	0.1116	13.8299	3.6379	0.1024	3.7403		13,367.8395	13,367.8395	0.7435		13,383.4521
Total	**39.9355**	**31.6594**	**131.4447**	**0.2336**	**15.4819**	**0.4991**	**15.9810**	**4.1410**	**0.4584**	**4.5995**		**19,641.9991**	**19,641.9991**	**0.7940**		**19,658.6730**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0995	26.3814	18.1125	0.0268		1.7796	1.7796		1.6714	1.6714	0.0000	2,637.3834	2,637.3834	0.6491		2,651.0146
Total	**3.0995**	**26.3814**	**18.1125**	**0.0268**		**1.7796**	**1.7796**		**1.6714**	**1.6714**	**0.0000**	**2,637.3834**	**2,637.3834**	**0.6491**		**2,651.0146**

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.6729	23.8069	39.1020	0.0637	1.7636	0.3875	2.1511	0.5031	0.3561	0.8592		6,274.1597	6,274.1597	0.0505		6,275.2209
Worker	31.2626	7.8525	92.3427	0.1698	13.7182	0.1116	13.8299	3.6379	0.1024	3.7403		13,367.8395	13,367.8395	0.7435		13,383.4521
Total	**39.9355**	**31.6594**	**131.4447**	**0.2336**	**15.4819**	**0.4991**	**15.9810**	**4.1410**	**0.4584**	**4.5995**		**19,641.9991**	**19,641.9991**	**0.7940**		**19,658.6730**

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**		**2,609.9390**	**2,609.9390**	**0.6387**		**2,623.3517**

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.8105	22.0555	36.0309	0.0637	1.7641	0.3337	2.0978	0.5033	0.3067	0.8100		6,173.1024	6,173.1024	0.0472		6,174.0942
Worker	28.2810	6.9654	81.4397	0.1697	13.7182	0.1062	13.8244	3.6379	0.0979	3.7359		12,862.7218	12,862.7218	0.6741		12,876.8781
Total	**36.0914**	**29.0208**	**117.4706**	**0.2333**	**15.4824**	**0.4399**	**15.9222**	**4.1412**	**0.4046**	**4.5458**		**19,035.8242**	**19,035.8242**	**0.7213**		**19,050.9723**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6662	23.2395	17.5166	0.0268		1.4929	1.4929		1.4035	1.4035	0.0000	2,607.5445	2,607.5445	0.6381		2,620.9449
Total	**2.6662**	**23.2395**	**17.5166**	**0.0268**		**1.4929**	**1.4929**		**1.4035**	**1.4035**	**0.0000**	**2,607.5445**	**2,607.5445**	**0.6381**		**2,620.9449**

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.8105	22.0555	36.0309	0.0637	1.7641	0.3337	2.0978	0.5033	0.3067	0.8100		6,173.1024	6,173.1024	0.0472		6,174.0942
Worker	28.2810	6.9654	81.4397	0.1697	13.7182	0.1062	13.8244	3.6379	0.0979	3.7359		12,862.7218	12,862.7218	0.6741		12,876.8781
Total	**36.0914**	**29.0208**	**117.4706**	**0.2333**	**15.4824**	**0.4399**	**15.9222**	**4.1412**	**0.4046**	**4.5458**		**19,035.8242**	**19,035.8242**	**0.7213**		**19,050.9723**

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	**2.3516**	**20.9650**	**17.1204**	**0.0268**		**1.2850**	**1.2850**		**1.2083**	**1.2083**		**2,580.7618**	**2,580.7618**	**0.6279**		**2,593.9479**

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.0702	20.5431	33.5394	0.0636	1.7648	0.3106	2.0755	0.5036	0.2856	0.7892		6,072.7091	6,072.7091	0.0459		6,073.6737
Worker	26.1180	6.2734	73.2761	0.1691	13.7182	0.1021	13.8204	3.6379	0.0945	3.7325		12,369.2425	12,369.2425	0.6199		12,382.2601
Total	**33.1882**	**26.8165**	**106.8155**	**0.2327**	**15.4831**	**0.4128**	**15.8959**	**4.1415**	**0.3801**	**4.5216**		**18,441.9516**	**18,441.9516**	**0.6658**		**18,455.9338**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3495	20.9458	17.1046	0.0268		1.2839	1.2839		1.2072	1.2072	0.0000	2,578.3941	2,578.3941	0.6273		2,591.5681
Total	**2.3495**	**20.9458**	**17.1046**	**0.0268**		**1.2839**	**1.2839**		**1.2072**	**1.2072**	**0.0000**	**2,578.3941**	**2,578.3941**	**0.6273**		**2,591.5681**

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.0702	20.5431	33.5394	0.0636	1.7648	0.3106	2.0755	0.5036	0.2856	0.7892		6,072.7091	6,072.7091	0.0459		6,073.6737
Worker	26.1180	6.2734	73.2761	0.1691	13.7182	0.1021	13.8204	3.6379	0.0945	3.7325		12,369.2425	12,369.2425	0.6199		12,382.2601
Total	**33.1882**	**26.8165**	**106.8155**	**0.2327**	**15.4831**	**0.4128**	**15.8959**	**4.1415**	**0.3801**	**4.5216**		**18,441.9516**	**18,441.9516**	**0.6658**		**18,455.9338**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	**2.1113**	**19.0839**	**16.8084**	**0.0268**		**1.1128**	**1.1128**		**1.0465**	**1.0465**		**2,542.4799**	**2,542.4799**	**0.6194**		**2,555.4880**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.4429	17.0194	31.2644	0.0635	1.7656	0.2712	2.0368	0.5039	0.2494	0.7533		5,937.4810	5,937.4810	0.0439		5,938.4036
Worker	24.4218	5.7244	66.8108	0.1690	13.7182	0.0998	13.8180	3.6379	0.0925	3.7304		11,882.0053	11,882.0053	0.5797		11,894.1791
Total	**30.8647**	**22.7438**	**98.0752**	**0.2325**	**15.4839**	**0.3710**	**15.8548**	**4.1418**	**0.3418**	**4.4837**		**17,819.4862**	**17,819.4862**	**0.6237**		**17,832.5828**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1093	19.0664	16.7930	0.0268		1.1118	1.1118		1.0455	1.0455	0.0000	2,540.1473	2,540.1473	0.6189		2,553.1435
Total	**2.1093**	**19.0664**	**16.7930**	**0.0268**		**1.1118**	**1.1118**		**1.0455**	**1.0455**	**0.0000**	**2,540.1473**	**2,540.1473**	**0.6189**		**2,553.1435**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.4429	17.0194	31.2644	0.0635	1.7656	0.2712	2.0368	0.5039	0.2494	0.7533		5,937.4810	5,937.4810	0.0439		5,938.4036
Worker	24.4218	5.7244	66.8108	0.1690	13.7182	0.0998	13.8180	3.6379	0.0925	3.7304		11,882.0053	11,882.0053	0.5797		11,894.1791
Total	**30.8647**	**22.7438**	**98.0752**	**0.2325**	**15.4839**	**0.3710**	**15.8548**	**4.1418**	**0.3418**	**4.4837**		**17,819.4862**	**17,819.4862**	**0.6237**		**17,832.5828**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799		2,160.7571	2,160.7571	0.6988		2,175.4326
Paving	0.6386					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9686**	**13.7845**	**14.3523**	**0.0223**		**0.7390**	**0.7390**		**0.6799**	**0.6799**		**2,160.7571**	**2,160.7571**	**0.6988**		**2,175.4326**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3411	0.0800	0.9331	2.3600e-003	0.1916	1.3900e-003	0.1930	0.0508	1.2900e-003	0.0521		165.9498	165.9498	8.1000e-003		166.1198
Total	**0.3411**	**0.0800**	**0.9331**	**2.3600e-003**	**0.1916**	**1.3900e-003**	**0.1930**	**0.0508**	**1.2900e-003**	**0.0521**		**165.9498**	**165.9498**	**8.1000e-003**		**166.1198**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3288	13.7719	14.3392	0.0223		0.7384	0.7384		0.6793	0.6793	0.0000	2,158.7747	2,158.7747	0.6982		2,173.4368
Paving	0.6386					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9674**	**13.7719**	**14.3392**	**0.0223**		**0.7384**	**0.7384**		**0.6793**	**0.6793**	**0.0000**	**2,158.7747**	**2,158.7747**	**0.6982**		**2,173.4368**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3411	0.0800	0.9331	2.3600e-003	0.1916	1.3900e-003	0.1930	0.0508	1.2900e-003	0.0521		165.9498	165.9498	8.1000e-003		166.1198
Total	**0.3411**	**0.0800**	**0.9331**	**2.3600e-003**	**0.1916**	**1.3900e-003**	**0.1930**	**0.0508**	**1.2900e-003**	**0.0521**		**165.9498**	**165.9498**	**8.1000e-003**		**166.1198**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	834.9168					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	**835.1589**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9057**

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.8889	1.1460	13.3746	0.0338	2.7462	0.0200	2.7662	0.7283	0.0185	0.7468		2,378.6137	2,378.6137	0.1161		2,381.0508
Total	**4.8889**	**1.1460**	**13.3746**	**0.0338**	**2.7462**	**0.0200**	**2.7662**	**0.7283**	**0.0185**	**0.7468**		**2,378.6137**	**2,378.6137**	**0.1161**		**2,381.0508**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	834.9168					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2420	1.6823	1.8297	2.9700e-003		0.1108	0.1108		0.1108	0.1108	0.0000	281.1898	281.1898	0.0218		281.6470
Total	**835.1587**	**1.6823**	**1.8297**	**2.9700e-003**		**0.1108**	**0.1108**		**0.1108**	**0.1108**	**0.0000**	**281.1898**	**281.1898**	**0.0218**		**281.6470**

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.8889	1.1460	13.3746	0.0338	2.7462	0.0200	2.7662	0.7283	0.0185	0.7468		2,378.6137	2,378.6137	0.1161		2,381.0508
Total	**4.8889**	**1.1460**	**13.3746**	**0.0338**	**2.7462**	**0.0200**	**2.7662**	**0.7283**	**0.0185**	**0.7468**		**2,378.6137**	**2,378.6137**	**0.1161**		**2,381.0508**

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	96.0913	74.4498	299.8462	0.6839	43.3400	1.0812	44.4212	11.5977	0.9961	12.5938		53,633.6759	53,633.6759	2.0829		53,677.4165
Unmitigated	96.0913	74.4498	299.8462	0.6839	43.3400	1.0812	44.4212	11.5977	0.9961	12.5938		53,633.6759	53,633.6759	2.0829		53,677.4165

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	138.39	150.36	127.47	494,881	494,881
Condo/Townhouse	204.29	221.96	188.17	730,539	730,539
Condo/Townhouse High Rise	4,902.96	5,327.04	4516.08	17,532,940	17,532,940
Enclosed Parking Structure	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Retail	0.00	0.00	0.00		
Total	5,245.64	5,699.36	4,831.72	18,758,360	18,758,360

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 Mid Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse High Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Enclosed Parking Structure	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
User Defined Retail	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.379804	0.086318	0.199213	0.163497	0.085596	0.010653	0.016642	0.039960	0.001564	0.000663	0.009541	0.000862	0.005687

4.4 Fleet Mix

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
NaturalGas Unmitigated	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542

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 Mid Rise	250.564	2.7000e-003	0.0231	9.8300e-003	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4781	29.4781	5.6000e-004	5.4000e-004	29.6575
Condo/Townhouse	584.066	6.3000e-003	0.0538	0.0229	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003		68.7137	68.7137	1.3200e-003	1.2600e-003	69.1319
Condo/Townhouse High Rise	14017.6	0.1512	1.2918	0.5497	8.2500e-003		0.1044	0.1044		0.1044	0.1044		1,649.1285	1,649.1285	0.0316	0.0302	1,659.1648
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other 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
User Defined Retail	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
Total		**0.1602**	**1.3687**	**0.5824**	**8.7400e-003**		**0.1107**	**0.1107**		**0.1107**	**0.1107**		**1,747.3203**	**1,747.3203**	**0.0335**	**0.0320**	**1,757.9542**

5.2 Energy by Land Use - NaturalGas

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					
Apartments Mid Rise	0.250564	2.7000e-003	0.0231	9.8300e-003	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4781	29.4781	5.6000e-004	5.4000e-004	29.6575
Condo/Townhouse	0.584066	6.3000e-003	0.0538	0.0229	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003		68.7137	68.7137	1.3200e-003	1.2600e-003	69.1319
Condo/Townhouse High Rise	14.0176	0.1512	1.2918	0.5497	8.2500e-003		0.1044	0.1044		0.1044	0.1044		1,649.1285	1,649.1285	0.0316	0.0302	1,659.1648
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other 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
User Defined Retail	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
Total		**0.1602**	**1.3687**	**0.5824**	**8.7400e-003**		**0.1107**	**0.1107**		**0.1107**	**0.1107**		**1,747.3203**	**1,747.3203**	**0.0335**	**0.0320**	**1,757.9542**

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	1,294.3945	17.2898	1,566.5839	0.5896		211.1994	211.1994		211.1933	211.1933	22,106.2977	9,389.3276	31,495.6253	20.5158	1.7388	32,465.4936
Unmitigated	1,294.3945	17.2898	1,566.5839	0.5896		211.1994	211.1994		211.1933	211.1933	22,106.2977	9,389.3276	31,495.6253	20.5158	1.7388	32,465.4936

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	17.1558					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	57.0369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,218.1944	16.5276	1,500.6847	0.5862		210.8371	210.8371		210.8309	210.8309	22,106.2977	9,271.0588	31,377.3565	20.4004	1.7388	32,344.8022
Landscaping	2.0073	0.7622	65.8992	3.4700e-003		0.3623	0.3623		0.3623	0.3623		118.2688	118.2688	0.1154		120.6913
Total	**1,294.3945**	**17.2898**	**1,566.5839**	**0.5896**		**211.1994**	**211.1994**		**211.1933**	**211.1933**	**22,106.2977**	**9,389.3276**	**31,495.6253**	**20.5158**	**1.7388**	**32,465.4936**

6.2 Area by SubCategory

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	17.1558					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	57.0369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,218.1944	16.5276	1,500.6847	0.5862		210.8371	210.8371		210.8309	210.8309	22,106.2977	9,271.0588	31,377.3565	20.4004	1.7388	32,344.8022
Landscaping	2.0073	0.7622	65.8992	3.4700e-003		0.3623	0.3623		0.3623	0.3623		118.2688	118.2688	0.1154		120.6913
Total	**1,294.3945**	**17.2898**	**1,566.5839**	**0.5896**		**211.1994**	**211.1994**		**211.1933**	**211.1933**	**22,106.2977**	**9,389.3276**	**31,495.6253**	**20.5158**	**1.7388**	**32,465.4936**

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
Signal Boards	1	24.00	365	6	0.82	Diesel
Tractors/Loaders/Backhoes	3	4.00	180	97	0.37	Diesel

UnMitigated/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
Equipment Type	lb/day										lb/day					
Signal Boards	0.1721	1.0783	0.9031	2.0800e-003		0.0419	0.0419		0.0419	0.0419		147.9406	147.9406	0.0154		148.2632
Tractors/Loaders/Backhoes	0.3143	3.1577	3.4196	4.6600e-003		0.1997	0.1997		0.1837	0.1837		451.1528	451.1528	0.1459		454.2169
Total	**0.4863**	**4.2360**	**4.3226**	**6.7400e-003**		**0.2416**	**0.2416**		**0.2256**	**0.2256**		**599.0934**	**599.0934**	**0.1613**		**602.4801**

10.0 Vegetation

VSVSP Operational - Landscape Maintenance and Offroad Equipment

Mountain Counties Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	3.22	Acre	3.22	140,263.20	0
Other Asphalt Surfaces	7.61	Acre	7.61	331,491.60	0
Parking Lot	10.67	Acre	10.67	464,785.20	0
Apartments Mid Rise	21.00	Dwelling Unit	0.65	31,071.00	60
Condo/Townhouse	31.00	Dwelling Unit	9.70	103,000.00	89
Condo/Townhouse High Rise	744.00	Dwelling Unit	17.81	1,258,958.00	2128
User Defined Retail	75.00	User Defined Unit	7.43	335,708.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	8
Climate Zone	14			**Operational Year**	2035
Utility Company	Sierra Pacific Resources				
CO2 Intensity (lb/MWhr)	1328.16	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - http://www.laketahoenews.net/2011/01/power-on-california-side-of-tahoe-no-longer-provided-by-sierra-pacific-power/

Land Use - Project-specific data, condensed from Table 1 in kickoff packet. For the purposes of this model run, estimating construction emissions only, the population estimates are not needed, nor accurate.

Construction Phase - See worksheet with notes about phasing.

Off-road Equipment -

Off-road Equipment - Cranes may be used when construction the taller buildings.

Off-road Equipment - Added equipment is used for the repurposing of asphalt, including an Ashalt Planer (asphalt mill), a CAT PM-201 Cold Planer, represented by a crawler tractor.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - existing buildings and parking lots

Architectural Coating - The Interior and Exterior areas were adjusted to reflect the land use amounts in the project description.

Energy Use -

Land Use Change - Vegetation loss values were provided by Ascents biological impacts analysis (prepared by CF).

Sequestration -

Operational Off-Road Equipment - This equipment is often used at ski resort communities. Loaders are typically used for snow removal.

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	21,000.00	31,071.00
tblLandUse	LandUseSquareFeet	31,000.00	103,000.00
tblLandUse	LandUseSquareFeet	744,000.00	1,258,958.00
tblLandUse	LandUseSquareFeet	0.00	335,708.00
tblLandUse	LotAcreage	0.55	0.65
tblLandUse	LotAcreage	1.94	9.70
tblLandUse	LotAcreage	11.63	17.81
tblLandUse	LotAcreage	0.00	7.43
tblLandUseChange	CO2peracre	14.30	111.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	180.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	24.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	3.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	52.9844	79.2349	185.8346	0.2610	18.2962	3.8046	21.3866	9.9917	3.5002	12.8348	0.0000	23,587.0559	23,587.0559	1.9536	0.0000	23,628.0814
2016	47.8334	63.6227	166.2630	0.2606	15.4810	2.5396	18.0206	4.1407	2.3733	6.5140	0.0000	22,964.2871	22,964.2871	1.5447	0.0000	22,996.7265
2017	43.0379	58.0650	149.5738	0.2604	15.4819	2.2803	17.7622	4.1410	2.1314	6.2725	0.0000	22,281.8044	22,281.8044	1.4437	0.0000	22,312.1220
2018	38.7601	52.2817	135.0032	0.2602	15.4824	1.9341	17.4165	4.1412	1.8094	5.9506	0.0000	21,645.7632	21,645.7632	1.3600	0.0000	21,674.3240
2019	35.5398	47.7815	123.9358	0.2595	15.4831	1.6978	17.1809	4.1415	1.5884	5.7299	0.0000	21,022.7133	21,022.7133	1.2937	0.0000	21,049.8817
2020	840.0479	41.8277	114.8837	0.2593	15.4839	1.4838	16.9677	4.1418	1.3883	5.5301	0.0000	20,361.9662	20,361.9662	1.2431	0.0000	20,388.0708
Total	**1,058.2034**	**342.8135**	**875.4942**	**1.5610**	**95.7083**	**13.7403**	**108.7344**	**30.6980**	**12.7910**	**42.8320**	**0.0000**	**131,863.5901**	**131,863.5901**	**8.8389**	**0.0000**	**132,049.2063**

2.1 Overall Construction (Maximum Daily Emission)

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	52.9810	79.1624	185.8174	0.2609	18.2962	3.8011	21.3838	9.9917	3.4970	12.8322	0.0000	23,584.5884	23,584.5884	1.9518	0.0000	23,625.5765
2016	47.8303	63.5965	166.2460	0.2606	15.4810	2.5378	18.0188	4.1407	2.3716	6.5123	0.0000	22,961.8381	22,961.8381	1.5441	0.0000	22,994.2648
2017	43.0350	58.0408	149.5572	0.2604	15.4819	2.2787	17.7606	4.1410	2.1299	6.2709	0.0000	22,279.3826	22,279.3826	1.4431	0.0000	22,309.6876
2018	38.7577	52.2603	134.9872	0.2601	15.4824	1.9328	17.4151	4.1412	1.8081	5.9493	0.0000	21,643.3687	21,643.3687	1.3595	0.0000	21,671.9172
2019	35.5377	47.7623	123.9201	0.2595	15.4831	1.6966	17.1797	4.1415	1.5873	5.7288	0.0000	21,020.3456	21,020.3456	1.2932	0.0000	21,047.5019
2020	840.0476	41.8102	114.8682	0.2593	15.4839	1.4828	16.9666	4.1418	1.3873	5.5292	0.0000	20,359.6336	20,359.6336	1.2425	0.0000	20,385.7263
Total	**1,058.1893**	**342.6325**	**875.3962**	**1.5608**	**95.7083**	**13.7298**	**108.7246**	**30.6980**	**12.7812**	**42.8228**	**0.0000**	**131,849.1570**	**131,849.1570**	**8.8342**	**0.0000**	**132,034.6743**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.05**	**0.01**	**0.01**	**0.00**	**0.08**	**0.01**	**0.00**	**0.08**	**0.02**	**0.00**	**0.01**	**0.01**	**0.05**	**0.00**	**0.01**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,294.3447	17.2827	1,566.1346	0.5896		211.2013	211.2013		211.1951	211.1951	22,106.2977	9,389.3276	31,495.6252	20.5131	1.7388	32,465.4360
Energy	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
Mobile	57.9562	38.0891	170.4792	0.6912	43.4037	0.9398	44.3435	11.6211	0.8667	12.4878		50,794.3232	50,794.3232	1.2305		50,820.1632
Offroad	0.4170	2.5224	4.4190	7.7800e-003		0.0609	0.0609		0.0609	0.0609		687.5331	687.5331	0.0372		688.3142
Total	**1,352.8781**	**59.2629**	**1,741.6152**	**1.2974**	**43.4037**	**212.3127**	**255.7164**	**11.6211**	**212.2334**	**223.8545**	**22,106.2977**	**62,618.5041**	**84,724.8018**	**21.8142**	**1.7709**	**85,731.8676**

2.2 Overall Operational

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	1,294.3447	17.2827	1,566.1346	0.5896		211.2013	211.2013		211.1951	211.1951	22,106.2977	9,389.3276	31,495.6252	20.5131	1.7388	32,465.4360
Energy	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
Mobile	57.9562	38.0891	170.4792	0.6912	43.4037	0.9398	44.3435	11.6211	0.8667	12.4878		50,794.3232	50,794.3232	1.2305		50,820.1632
Offroad	0.4170	2.5224	4.4190	7.7800e-003		0.0609	0.0609		0.0609	0.0609		687.5331	687.5331	0.0372		688.3142
Total	**1,352.8781**	**59.2629**	**1,741.6152**	**1.2974**	**43.4037**	**212.3127**	**255.7164**	**11.6211**	**212.2334**	**223.8545**	**22,106.2977**	**62,618.5041**	**84,724.8018**	**21.8142**	**1.7709**	**85,731.8676**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.03**	**4.26**	**0.25**	**0.60**	**0.00**	**0.03**	**0.02**	**0.00**	**0.03**	**0.03**	**0.00**	**1.10**	**0.81**	**0.17**	**0.00**	**0.80**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	4/8/2015	5	70	
2	Site Preparation	Site Preparation	4/9/2015	6/3/2015	5	40	
3	Grading	Grading	6/4/2015	11/4/2015	5	110	
4	Building Construction	Building Construction	11/5/2015	2/5/2020	5	1110	
5	Paving	Paving	2/6/2020	5/20/2020	5	75	
6	Architectural Coating	Architectural Coating	5/21/2020	9/2/2020	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 0

Residential Indoor: 2,820,884; Residential Outdoor: 940,295; Non-Residential Indoor: 1,232,110; Non-Residential Outdoor: 410,703

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	409.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,074.00	294.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	215.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2656	0.0000	1.2656	0.1916	0.0000	0.1916			0.0000			0.0000
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858		4,127.1934	4,127.1934	1.1188		4,150.6886
Total	**4.5083**	**48.3629**	**36.0738**	**0.0399**	**1.2656**	**2.4508**	**3.7165**	**0.1916**	**2.2858**	**2.4774**		**4,127.1934**	**4,127.1934**	**1.1188**		**4,150.6886**

3.2 Demolition - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6533	1.8412	1.7711	4.3700e-003	0.1017	0.0332	0.1348	0.0278	0.0305	0.0583		443.5810	443.5810	3.7200e-003		443.6592
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5347	0.1412	1.6748	2.3800e-003	0.1916	1.7900e-003	0.1934	0.0508	1.6300e-003	0.0524		201.8239	201.8239	0.0129		202.0944
Total	**1.1879**	**1.9823**	**3.4458**	**6.7500e-003**	**0.2933**	**0.0349**	**0.3282**	**0.0786**	**0.0321**	**0.1107**		**645.4049**	**645.4049**	**0.0166**		**645.7536**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2656	0.0000	1.2656	0.1916	0.0000	0.1916			0.0000			0.0000
Off-Road	4.5041	48.3186	36.0407	0.0399		2.4486	2.4486		2.2837	2.2837	0.0000	4,123.4069	4,123.4069	1.1178		4,146.8806
Total	**4.5041**	**48.3186**	**36.0407**	**0.0399**	**1.2656**	**2.4486**	**3.7142**	**0.1916**	**2.2837**	**2.4753**	**0.0000**	**4,123.4069**	**4,123.4069**	**1.1178**		**4,146.8806**

3.2 Demolition - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6533	1.8412	1.7711	4.3700e-003	5.4319	0.0332	5.4650	1.3362	0.0305	1.3666		443.5810	443.5810	3.7200e-003		443.6592
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5347	0.1412	1.6748	2.3800e-003	0.1916	1.7900e-003	0.1934	0.0508	1.6300e-003	0.0524		201.8239	201.8239	0.0129		202.0944
Total	**1.1879**	**1.9823**	**3.4458**	**6.7500e-003**	**5.6235**	**0.0349**	**5.6584**	**1.3870**	**0.0321**	**1.4191**		**645.4049**	**645.4049**	**0.0166**		**645.7536**

3.3 Site Preparation - 2015

Unmitigated Construction On-Site

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

3.3 Site Preparation - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6416	0.1694	2.0097	2.8500e-003	0.2299	2.1500e-003	0.2321	0.0610	1.9500e-003	0.0629		242.1887	242.1887	0.0155		242.5133
Total	**0.6416**	**0.1694**	**2.0097**	**2.8500e-003**	**0.2299**	**2.1500e-003**	**0.2321**	**0.0610**	**1.9500e-003**	**0.0629**		**242.1887**	**242.1887**	**0.0155**		**242.5133**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2561	56.8375	42.5927	0.0391		3.0855	3.0855		2.8386	2.8386	0.0000	4,107.9721	4,107.9721	1.2264		4,133.7265
Total	**5.2561**	**56.8375**	**42.5927**	**0.0391**	**18.0663**	**3.0855**	**21.1517**	**9.9307**	**2.8386**	**12.7693**	**0.0000**	**4,107.9721**	**4,107.9721**	**1.2264**		**4,133.7265**

3.3 Site Preparation - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6416	0.1694	2.0097	2.8500e-003	0.2299	2.1500e-003	0.2321	0.0610	1.9500e-003	0.0629		242.1887	242.1887	0.0155		242.5133
Total	**0.6416**	**0.1694**	**2.0097**	**2.8500e-003**	**0.2299**	**2.1500e-003**	**0.2321**	**0.0610**	**1.9500e-003**	**0.0629**		**242.1887**	**242.1887**	**0.0155**		**242.5133**

3.4 Grading - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.2433	6,486.2433	1.9364		6,526.9080
Total	**6.7751**	**79.0467**	**50.8400**	**0.0618**	**8.6733**	**3.8022**	**12.4755**	**3.5965**	**3.4980**	**7.0945**		**6,486.2433**	**6,486.2433**	**1.9364**		**6,526.9080**

3.4 Grading - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7129	0.1882	2.2330	3.1700e-003	0.2555	2.3900e-003	0.2579	0.0678	2.1700e-003	0.0699		269.0985	269.0985	0.0172		269.4592
Total	**0.7129**	**0.1882**	**2.2330**	**3.1700e-003**	**0.2555**	**2.3900e-003**	**0.2579**	**0.0678**	**2.1700e-003**	**0.0699**		**269.0985**	**269.0985**	**0.0172**		**269.4592**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.7689	78.9742	50.7933	0.0617		3.7987	3.7987		3.4948	3.4948	0.0000	6,480.2925	6,480.2925	1.9346		6,520.9199
Total	**6.7689**	**78.9742**	**50.7933**	**0.0617**	**8.6733**	**3.7987**	**12.4720**	**3.5965**	**3.4948**	**7.0913**	**0.0000**	**6,480.2925**	**6,480.2925**	**1.9346**		**6,520.9199**

3.4 Grading - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7129	0.1882	2.2330	3.1700e-003	0.2555	2.3900e-003	0.2579	0.0678	2.1700e-003	0.0699		269.0985	269.0985	0.0172		269.4592
Total	**0.7129**	**0.1882**	**2.2330**	**3.1700e-003**	**0.2555**	**2.3900e-003**	**0.2579**	**0.0678**	**2.1700e-003**	**0.0699**		**269.0985**	**269.0985**	**0.0172**		**269.4592**

3.5 Building Construction - 2015

Unmitigated Construction On-Site

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

3.5 Building Construction - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	11.0422	30.0372	47.1767	0.0640	1.7621	0.5686	2.3307	0.5025	0.5224	1.0249		6,446.8889	6,446.8889	0.0624		6,448.1983
Worker	38.2831	10.1073	119.9134	0.1702	13.7182	0.1285	13.8467	3.6379	0.1166	3.7545		14,450.5899	14,450.5899	0.9224		14,469.9598
Total	**49.3253**	**40.1445**	**167.0901**	**0.2342**	**15.4803**	**0.6971**	**16.1774**	**4.1404**	**0.6390**	**4.7794**		**20,897.4788**	**20,897.4788**	**0.9847**		**20,918.1581**

Mitigated Construction On-Site

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

3.5 Building Construction - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	11.0422	30.0372	47.1767	0.0640	1.7621	0.5686	2.3307	0.5025	0.5224	1.0249		6,446.8889	6,446.8889	0.0624		6,448.1983
Worker	38.2831	10.1073	119.9134	0.1702	13.7182	0.1285	13.8467	3.6379	0.1166	3.7545		14,450.5899	14,450.5899	0.9224		14,469.9598
Total	**49.3253**	**40.1445**	**167.0901**	**0.2342**	**15.4803**	**0.6971**	**16.1774**	**4.1404**	**0.6390**	**4.7794**		**20,897.4788**	**20,897.4788**	**0.9847**		**20,918.1581**

3.5 Building Construction - 2016

Unmitigated Construction On-Site

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

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.7013	26.1912	42.1346	0.0638	1.7627	0.4530	2.2157	0.5028	0.4162	0.9189		6,374.9576	6,374.9576	0.0543		6,376.0981
Worker	34.7259	8.9252	105.6218	0.1700	13.7182	0.1193	13.8375	3.6379	0.1087	3.7466		13,920.0431	13,920.0431	0.8284		13,937.4394
Total	**44.4272**	**35.1163**	**147.7564**	**0.2338**	**15.4810**	**0.5722**	**16.0532**	**4.1407**	**0.5249**	**4.6656**		**20,295.0007**	**20,295.0007**	**0.8827**		**20,313.5375**

Mitigated Construction On-Site

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

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.7013	26.1912	42.1346	0.0638	1.7627	0.4530	2.2157	0.5028	0.4162	0.9189		6,374.9576	6,374.9576	0.0543		6,376.0981
Worker	34.7259	8.9252	105.6218	0.1700	13.7182	0.1193	13.8375	3.6379	0.1087	3.7466		13,920.0431	13,920.0431	0.8284		13,937.4394
Total	**44.4272**	**35.1163**	**147.7564**	**0.2338**	**15.4810**	**0.5722**	**16.0532**	**4.1407**	**0.5249**	**4.6656**		**20,295.0007**	**20,295.0007**	**0.8827**		**20,313.5375**

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	**3.1024**	**26.4057**	**18.1291**	**0.0268**		**1.7812**	**1.7812**		**1.6730**	**1.6730**		**2,639.8053**	**2,639.8053**	**0.6497**		**2,653.4490**

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.6729	23.8069	39.1020	0.0637	1.7636	0.3875	2.1511	0.5031	0.3561	0.8592		6,274.1597	6,274.1597	0.0505		6,275.2209
Worker	31.2626	7.8525	92.3427	0.1698	13.7182	0.1116	13.8299	3.6379	0.1024	3.7403		13,367.8395	13,367.8395	0.7435		13,383.4521
Total	**39.9355**	**31.6594**	**131.4447**	**0.2336**	**15.4819**	**0.4991**	**15.9810**	**4.1410**	**0.4584**	**4.5995**		**19,641.9991**	**19,641.9991**	**0.7940**		**19,658.6730**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0995	26.3814	18.1125	0.0268		1.7796	1.7796		1.6714	1.6714	0.0000	2,637.3834	2,637.3834	0.6491		2,651.0146
Total	**3.0995**	**26.3814**	**18.1125**	**0.0268**		**1.7796**	**1.7796**		**1.6714**	**1.6714**	**0.0000**	**2,637.3834**	**2,637.3834**	**0.6491**		**2,651.0146**

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.6729	23.8069	39.1020	0.0637	1.7636	0.3875	2.1511	0.5031	0.3561	0.8592		6,274.1597	6,274.1597	0.0505		6,275.2209
Worker	31.2626	7.8525	92.3427	0.1698	13.7182	0.1116	13.8299	3.6379	0.1024	3.7403		13,367.8395	13,367.8395	0.7435		13,383.4521
Total	**39.9355**	**31.6594**	**131.4447**	**0.2336**	**15.4819**	**0.4991**	**15.9810**	**4.1410**	**0.4584**	**4.5995**		**19,641.9991**	**19,641.9991**	**0.7940**		**19,658.6730**

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**		**2,609.9390**	**2,609.9390**	**0.6387**		**2,623.3517**

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.8105	22.0555	36.0309	0.0637	1.7641	0.3337	2.0978	0.5033	0.3067	0.8100		6,173.1024	6,173.1024	0.0472		6,174.0942
Worker	28.2810	6.9654	81.4397	0.1697	13.7182	0.1062	13.8244	3.6379	0.0979	3.7359		12,862.7218	12,862.7218	0.6741		12,876.8781
Total	**36.0914**	**29.0208**	**117.4706**	**0.2333**	**15.4824**	**0.4399**	**15.9222**	**4.1412**	**0.4046**	**4.5458**		**19,035.8242**	**19,035.8242**	**0.7213**		**19,050.9723**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6662	23.2395	17.5166	0.0268		1.4929	1.4929		1.4035	1.4035	0.0000	2,607.5445	2,607.5445	0.6381		2,620.9449
Total	**2.6662**	**23.2395**	**17.5166**	**0.0268**		**1.4929**	**1.4929**		**1.4035**	**1.4035**	**0.0000**	**2,607.5445**	**2,607.5445**	**0.6381**		**2,620.9449**

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.8105	22.0555	36.0309	0.0637	1.7641	0.3337	2.0978	0.5033	0.3067	0.8100		6,173.1024	6,173.1024	0.0472		6,174.0942
Worker	28.2810	6.9654	81.4397	0.1697	13.7182	0.1062	13.8244	3.6379	0.0979	3.7359		12,862.7218	12,862.7218	0.6741		12,876.8781
Total	**36.0914**	**29.0208**	**117.4706**	**0.2333**	**15.4824**	**0.4399**	**15.9222**	**4.1412**	**0.4046**	**4.5458**		**19,035.8242**	**19,035.8242**	**0.7213**		**19,050.9723**

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	**2.3516**	**20.9650**	**17.1204**	**0.0268**		**1.2850**	**1.2850**		**1.2083**	**1.2083**		**2,580.7618**	**2,580.7618**	**0.6279**		**2,593.9479**

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.0702	20.5431	33.5394	0.0636	1.7648	0.3106	2.0755	0.5036	0.2856	0.7892		6,072.7091	6,072.7091	0.0459		6,073.6737
Worker	26.1180	6.2734	73.2761	0.1691	13.7182	0.1021	13.8204	3.6379	0.0945	3.7325		12,369.2425	12,369.2425	0.6199		12,382.2601
Total	**33.1882**	**26.8165**	**106.8155**	**0.2327**	**15.4831**	**0.4128**	**15.8959**	**4.1415**	**0.3801**	**4.5216**		**18,441.9516**	**18,441.9516**	**0.6658**		**18,455.9338**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3495	20.9458	17.1046	0.0268		1.2839	1.2839		1.2072	1.2072	0.0000	2,578.3941	2,578.3941	0.6273		2,591.5681
Total	**2.3495**	**20.9458**	**17.1046**	**0.0268**		**1.2839**	**1.2839**		**1.2072**	**1.2072**	**0.0000**	**2,578.3941**	**2,578.3941**	**0.6273**		**2,591.5681**

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.0702	20.5431	33.5394	0.0636	1.7648	0.3106	2.0755	0.5036	0.2856	0.7892		6,072.7091	6,072.7091	0.0459		6,073.6737
Worker	26.1180	6.2734	73.2761	0.1691	13.7182	0.1021	13.8204	3.6379	0.0945	3.7325		12,369.2425	12,369.2425	0.6199		12,382.2601
Total	**33.1882**	**26.8165**	**106.8155**	**0.2327**	**15.4831**	**0.4128**	**15.8959**	**4.1415**	**0.3801**	**4.5216**		**18,441.9516**	**18,441.9516**	**0.6658**		**18,455.9338**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	**2.1113**	**19.0839**	**16.8084**	**0.0268**		**1.1128**	**1.1128**		**1.0465**	**1.0465**		**2,542.4799**	**2,542.4799**	**0.6194**		**2,555.4880**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.4429	17.0194	31.2644	0.0635	1.7656	0.2712	2.0368	0.5039	0.2494	0.7533		5,937.4810	5,937.4810	0.0439		5,938.4036
Worker	24.4218	5.7244	66.8108	0.1690	13.7182	0.0998	13.8180	3.6379	0.0925	3.7304		11,882.0053	11,882.0053	0.5797		11,894.1791
Total	**30.8647**	**22.7438**	**98.0752**	**0.2325**	**15.4839**	**0.3710**	**15.8548**	**4.1418**	**0.3418**	**4.4837**		**17,819.4862**	**17,819.4862**	**0.6237**		**17,832.5828**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1093	19.0664	16.7930	0.0268		1.1118	1.1118		1.0455	1.0455	0.0000	2,540.1473	2,540.1473	0.6189		2,553.1435
Total	**2.1093**	**19.0664**	**16.7930**	**0.0268**		**1.1118**	**1.1118**		**1.0455**	**1.0455**	**0.0000**	**2,540.1473**	**2,540.1473**	**0.6189**		**2,553.1435**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.4429	17.0194	31.2644	0.0635	1.7656	0.2712	2.0368	0.5039	0.2494	0.7533		5,937.4810	5,937.4810	0.0439		5,938.4036
Worker	24.4218	5.7244	66.8108	0.1690	13.7182	0.0998	13.8180	3.6379	0.0925	3.7304		11,882.0053	11,882.0053	0.5797		11,894.1791
Total	**30.8647**	**22.7438**	**98.0752**	**0.2325**	**15.4839**	**0.3710**	**15.8548**	**4.1418**	**0.3418**	**4.4837**		**17,819.4862**	**17,819.4862**	**0.6237**		**17,832.5828**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799		2,160.7571	2,160.7571	0.6988		2,175.4326
Paving	0.6386					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9686**	**13.7845**	**14.3523**	**0.0223**		**0.7390**	**0.7390**		**0.6799**	**0.6799**		**2,160.7571**	**2,160.7571**	**0.6988**		**2,175.4326**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3411	0.0800	0.9331	2.3600e-003	0.1916	1.3900e-003	0.1930	0.0508	1.2900e-003	0.0521		165.9498	165.9498	8.1000e-003		166.1198
Total	**0.3411**	**0.0800**	**0.9331**	**2.3600e-003**	**0.1916**	**1.3900e-003**	**0.1930**	**0.0508**	**1.2900e-003**	**0.0521**		**165.9498**	**165.9498**	**8.1000e-003**		**166.1198**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3288	13.7719	14.3392	0.0223		0.7384	0.7384		0.6793	0.6793	0.0000	2,158.7747	2,158.7747	0.6982		2,173.4368
Paving	0.6386					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9674**	**13.7719**	**14.3392**	**0.0223**		**0.7384**	**0.7384**		**0.6793**	**0.6793**	**0.0000**	**2,158.7747**	**2,158.7747**	**0.6982**		**2,173.4368**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3411	0.0800	0.9331	2.3600e-003	0.1916	1.3900e-003	0.1930	0.0508	1.2900e-003	0.0521		165.9498	165.9498	8.1000e-003		166.1198
Total	**0.3411**	**0.0800**	**0.9331**	**2.3600e-003**	**0.1916**	**1.3900e-003**	**0.1930**	**0.0508**	**1.2900e-003**	**0.0521**		**165.9498**	**165.9498**	**8.1000e-003**		**166.1198**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	834.9168					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	**835.1589**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9057**

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.8889	1.1460	13.3746	0.0338	2.7462	0.0200	2.7662	0.7283	0.0185	0.7468		2,378.6137	2,378.6137	0.1161		2,381.0508
Total	**4.8889**	**1.1460**	**13.3746**	**0.0338**	**2.7462**	**0.0200**	**2.7662**	**0.7283**	**0.0185**	**0.7468**		**2,378.6137**	**2,378.6137**	**0.1161**		**2,381.0508**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	834.9168					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2420	1.6823	1.8297	2.9700e-003		0.1108	0.1108		0.1108	0.1108	0.0000	281.1898	281.1898	0.0218		281.6470
Total	**835.1587**	**1.6823**	**1.8297**	**2.9700e-003**		**0.1108**	**0.1108**		**0.1108**	**0.1108**	**0.0000**	**281.1898**	**281.1898**	**0.0218**		**281.6470**

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.8889	1.1460	13.3746	0.0338	2.7462	0.0200	2.7662	0.7283	0.0185	0.7468		2,378.6137	2,378.6137	0.1161		2,381.0508
Total	**4.8889**	**1.1460**	**13.3746**	**0.0338**	**2.7462**	**0.0200**	**2.7662**	**0.7283**	**0.0185**	**0.7468**		**2,378.6137**	**2,378.6137**	**0.1161**		**2,381.0508**

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	57.9562	38.0891	170.4792	0.6912	43.4037	0.9398	44.3435	11.6211	0.8667	12.4878		50,794.3232	50,794.3232	1.2305		50,820.1632
Unmitigated	57.9562	38.0891	170.4792	0.6912	43.4037	0.9398	44.3435	11.6211	0.8667	12.4878		50,794.3232	50,794.3232	1.2305		50,820.1632

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	138.39	150.36	127.47	494,881	494,881
Condo/Townhouse	204.29	221.96	188.17	730,539	730,539
Condo/Townhouse High Rise	4,902.96	5,327.04	4516.08	17,532,940	17,532,940
Enclosed Parking Structure	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Retail	0.00	0.00	0.00		
Total	5,245.64	5,699.36	4,831.72	18,758,360	18,758,360

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 Mid Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse High Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Enclosed Parking Structure	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
User Defined Retail	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.382710	0.086934	0.195287	0.156914	0.083331	0.010743	0.019412	0.045919	0.001692	0.000666	0.009977	0.000807	0.005607

4.4 Fleet Mix

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
NaturalGas Unmitigated	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542

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 Mid Rise	250.564	2.7000e-003	0.0231	9.8300e-003	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4781	29.4781	5.6000e-004	5.4000e-004	29.6575
Condo/Townhouse	584.066	6.3000e-003	0.0538	0.0229	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003		68.7137	68.7137	1.3200e-003	1.2600e-003	69.1319
Condo/Townhouse High Rise	14017.6	0.1512	1.2918	0.5497	8.2500e-003		0.1044	0.1044		0.1044	0.1044		1,649.1285	1,649.1285	0.0316	0.0302	1,659.1648
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other 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
User Defined Retail	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
Total		**0.1602**	**1.3687**	**0.5824**	**8.7400e-003**		**0.1107**	**0.1107**		**0.1107**	**0.1107**		**1,747.3203**	**1,747.3203**	**0.0335**	**0.0320**	**1,757.9542**

5.2 Energy by Land Use - NaturalGas

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					
Apartments Mid Rise	0.250564	2.7000e-003	0.0231	9.8300e-003	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4781	29.4781	5.6000e-004	5.4000e-004	29.6575
Condo/Townhouse	0.584066	6.3000e-003	0.0538	0.0229	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003		68.7137	68.7137	1.3200e-003	1.2600e-003	69.1319
Condo/Townhouse High Rise	14.0176	0.1512	1.2918	0.5497	8.2500e-003		0.1044	0.1044		0.1044	0.1044		1,649.1285	1,649.1285	0.0316	0.0302	1,659.1648
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other 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
User Defined Retail	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
Total		**0.1602**	**1.3687**	**0.5824**	**8.7400e-003**		**0.1107**	**0.1107**		**0.1107**	**0.1107**		**1,747.3203**	**1,747.3203**	**0.0335**	**0.0320**	**1,757.9542**

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	1,294.3447	17.2827	1,566.1346	0.5896		211.2013	211.2013		211.1951	211.1951	22,106.2977	9,389.3276	31,495.6252	20.5131	1.7388	32,465.4360
Unmitigated	1,294.3447	17.2827	1,566.1346	0.5896		211.2013	211.2013		211.1951	211.1951	22,106.2977	9,389.3276	31,495.6252	20.5131	1.7388	32,465.4360

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	17.1558					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	57.0369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,218.1944	16.5276	1,500.6847	0.5862		210.8371	210.8371		210.8309	210.8309	22,106.2977	9,271.0588	31,377.3565	20.4004	1.7388	32,344.8022
Landscaping	1.9575	0.7551	65.4500	3.4700e-003		0.3642	0.3642		0.3642	0.3642		118.2688	118.2688	0.1126		120.6338
Total	**1,294.3447**	**17.2827**	**1,566.1346**	**0.5896**		**211.2013**	**211.2013**		**211.1951**	**211.1951**	**22,106.2977**	**9,389.3276**	**31,495.6252**	**20.5131**	**1.7388**	**32,465.4360**

6.2 Area by SubCategory

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	17.1558					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	57.0369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,218.1944	16.5276	1,500.6847	0.5862		210.8371	210.8371		210.8309	210.8309	22,106.2977	9,271.0588	31,377.3565	20.4004	1.7388	32,344.8022
Landscaping	1.9575	0.7551	65.4500	3.4700e-003		0.3642	0.3642		0.3642	0.3642		118.2688	118.2688	0.1126		120.6338
Total	**1,294.3447**	**17.2827**	**1,566.1346**	**0.5896**		**211.2013**	**211.2013**		**211.1951**	**211.1951**	**22,106.2977**	**9,389.3276**	**31,495.6252**	**20.5131**	**1.7388**	**32,465.4360**

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
Signal Boards	1	24.00	365	6	0.82	Diesel
Tractors/Loaders/Backhoes	3	4.00	180	97	0.37	Diesel

UnMitigated/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
Equipment Type	lb/day										lb/day					
Signal Boards	0.1721	1.0783	0.9031	2.0800e-003		0.0419	0.0419		0.0419	0.0419		147.9406	147.9406	0.0154		148.2632
Tractors/Loaders/Backhoes	0.2450	1.4442	3.5160	5.7000e-003		0.0190	0.0190		0.0190	0.0190		539.5924	539.5924	0.0218		540.0510
Total	**0.4170**	**2.5224**	**4.4190**	**7.7800e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**687.5331**	**687.5331**	**0.0372**		**688.3142**

10.0 Vegetation

VSVSP Operational - Landscape Maintenance and Offroad Equipment

Mountain Counties Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	3.22	Acre	3.22	140,263.20	0
Other Asphalt Surfaces	7.61	Acre	7.61	331,491.60	0
Parking Lot	10.67	Acre	10.67	464,785.20	0
Apartments Mid Rise	21.00	Dwelling Unit	0.65	31,071.00	60
Condo/Townhouse	31.00	Dwelling Unit	9.70	103,000.00	89
Condo/Townhouse High Rise	744.00	Dwelling Unit	17.81	1,258,958.00	2128
User Defined Retail	75.00	User Defined Unit	7.43	335,708.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	8
Climate Zone	14			**Operational Year**	2017
Utility Company	Sierra Pacific Resources				
CO2 Intensity (lb/MWhr)	1328.16	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Operational Off-Road Equipment - This equipment is often used at ski resort communities. Loaders are typically used for snow removal.

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	21,000.00	31,071.00
tblLandUse	LandUseSquareFeet	31,000.00	103,000.00
tblLandUse	LandUseSquareFeet	744,000.00	1,258,958.00
tblLandUse	LandUseSquareFeet	0.00	335,708.00
tblLandUse	LotAcreage	0.55	0.65
tblLandUse	LotAcreage	1.94	9.70
tblLandUse	LotAcreage	11.63	17.81
tblLandUse	LotAcreage	0.00	7.43
tblLandUseChange	CO2peracre	14.30	111.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	24.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperLoadFactor	0.37	0.37
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	3.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	63.1590	79.2870	216.8258	0.2446	18.2962	3.8046	21.3866	9.9917	3.5002	12.8348	0.0000	22,141.3177	22,141.3177	1.9536	0.0000	22,182.3431
2016	57.0026	67.5663	196.3464	0.2442	15.4810	2.5473	18.0283	4.1407	2.3804	6.5211	0.0000	21,566.1760	21,566.1760	1.5463	0.0000	21,598.6483
2017	51.3262	61.5658	178.4511	0.2439	15.4819	2.2868	17.7687	4.1410	2.1374	6.2784	0.0000	20,934.2051	20,934.2051	1.4452	0.0000	20,964.5552
2018	46.2813	55.4273	163.0819	0.2436	15.4824	1.9384	17.4207	4.1412	1.8133	5.9545	0.0000	20,345.3657	20,345.3657	1.3615	0.0000	20,373.9572
2019	42.5224	50.6391	151.6280	0.2429	15.4831	1.7017	17.1848	4.1415	1.5920	5.7335	0.0000	19,769.5695	19,769.5695	1.2952	0.0000	19,796.7689
2020	841.0551	44.3302	142.5262	0.2428	15.4839	1.4870	16.9709	4.1418	1.3913	5.5331	0.0000	19,155.7081	19,155.7081	1.2446	0.0000	19,181.8446
Total	**1,101.3467**	**358.8155**	**1,048.8594**	**1.4620**	**95.7083**	**13.7658**	**108.7600**	**30.6980**	**12.8145**	**42.8555**	**0.0000**	**123,912.3420**	**123,912.3420**	**8.8464**	**0.0000**	**124,098.1173**

2.1 Overall Construction (Maximum Daily Emission)

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	63.1556	79.2145	216.8086	0.2446	18.2962	3.8011	21.3838	9.9917	3.4970	12.8322	0.0000	22,138.8502	22,138.8502	1.9518	0.0000	22,179.8383
2016	56.9995	67.5401	196.3294	0.2442	15.4810	2.5455	18.0265	4.1407	2.3788	6.5194	0.0000	21,563.7270	21,563.7270	1.5457	0.0000	21,596.1866
2017	51.3234	61.5415	178.4345	0.2439	15.4819	2.2852	17.7671	4.1410	2.1359	6.2769	0.0000	20,931.7832	20,931.7832	1.4447	0.0000	20,962.1208
2018	46.2789	55.4059	163.0658	0.2436	15.4824	1.9370	17.4194	4.1412	1.8120	5.9532	0.0000	20,342.9712	20,342.9712	1.3609	0.0000	20,371.5504
2019	42.5203	50.6199	151.6122	0.2429	15.4831	1.7005	17.1836	4.1415	1.5908	5.7324	0.0000	19,767.2018	19,767.2018	1.2946	0.0000	19,794.3891
2020	841.0549	44.3126	142.5108	0.2427	15.4839	1.4860	16.9698	4.1418	1.3903	5.5321	0.0000	19,153.3755	19,153.3755	1.2440	0.0000	19,179.5001
Total	**1,101.3326**	**358.6345**	**1,048.7613**	**1.4618**	**95.7083**	**13.7553**	**108.7501**	**30.6980**	**12.8047**	**42.8463**	**0.0000**	**123,897.9089**	**123,897.9089**	**8.8417**	**0.0000**	**124,083.5853**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.05**	**0.01**	**0.01**	**0.00**	**0.08**	**0.01**	**0.00**	**0.08**	**0.02**	**0.00**	**0.01**	**0.01**	**0.05**	**0.00**	**0.01**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,294.4534	17.3009	1,567.0272	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3276	31,495.6253	20.5192	1.7388	32,465.5646
Energy	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
Mobile	135.4049	108.7430	438.5722	0.6365	43.3161	1.2784	44.5946	11.5887	1.1751	12.7638		54,609.6342	54,609.6342	2.6195		54,664.6437
Offroad	0.6453	5.6256	4.4793	6.7300e-003		0.3839	0.3839		0.3565	0.3565		623.4027	623.4027	0.1610		626.7845
Total	**1,430.6638**	**133.0382**	**2,010.6611**	**1.2416**	**43.3161**	**212.9703**	**256.2864**	**11.5887**	**212.8334**	**224.4222**	**22,106.2977**	**66,369.6847**	**88,475.9824**	**23.3332**	**1.7709**	**89,514.9469**

2.2 Overall Operational

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	1,294.4534	17.3009	1,567.0272	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3276	31,495.6253	20.5192	1.7388	32,465.5646
Energy	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
Mobile	135.4049	108.7430	438.5722	0.6365	43.3161	1.2784	44.5946	11.5887	1.1751	12.7638		54,609.6342	54,609.6342	2.6195		54,664.6437
Offroad	0.6453	5.6256	4.4793	6.7300e-003		0.3839	0.3839		0.3565	0.3565		623.4027	623.4027	0.1610		626.7845
Total	**1,430.6638**	**133.0382**	**2,010.6611**	**1.2416**	**43.3161**	**212.9703**	**256.2864**	**11.5887**	**212.8334**	**224.4222**	**22,106.2977**	**66,369.6847**	**88,475.9824**	**23.3332**	**1.7709**	**89,514.9469**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.05**	**4.23**	**0.22**	**0.54**	**0.00**	**0.18**	**0.15**	**0.00**	**0.17**	**0.16**	**0.00**	**0.94**	**0.70**	**0.69**	**0.00**	**0.70**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	4/8/2015	5	70	
2	Site Preparation	Site Preparation	4/9/2015	6/3/2015	5	40	
3	Grading	Grading	6/4/2015	11/4/2015	5	110	
4	Building Construction	Building Construction	11/5/2015	2/5/2020	5	1110	
5	Paving	Paving	2/6/2020	5/20/2020	5	75	
6	Architectural Coating	Architectural Coating	5/21/2020	9/2/2020	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 0

Residential Indoor: 2,820,884; Residential Outdoor: 940,295; Non-Residential Indoor: 1,232,110; Non-Residential Outdoor: 410,703

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	409.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,074.00	294.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	215.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2656	0.0000	1.2656	0.1916	0.0000	0.1916			0.0000			0.0000
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858		4,127.1934	4,127.1934	1.1188		4,150.6886
Total	**4.5083**	**48.3629**	**36.0738**	**0.0399**	**1.2656**	**2.4508**	**3.7165**	**0.1916**	**2.2858**	**2.4774**		**4,127.1934**	**4,127.1934**	**1.1188**		**4,150.6886**

3.2 Demolition - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7560	1.9584	2.8103	4.3700e-003	0.1017	0.0333	0.1350	0.0278	0.0306	0.0584		442.5409	442.5409	3.7700e-003		442.6201
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6390	0.1802	1.6330	2.1500e-003	0.1916	1.7900e-003	0.1934	0.0508	1.6300e-003	0.0524		182.3808	182.3808	0.0129		182.6513
Total	**1.3950**	**2.1387**	**4.4433**	**6.5200e-003**	**0.2933**	**0.0351**	**0.3283**	**0.0786**	**0.0322**	**0.1109**		**624.9217**	**624.9217**	**0.0167**		**625.2714**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2656	0.0000	1.2656	0.1916	0.0000	0.1916			0.0000			0.0000
Off-Road	4.5041	48.3186	36.0407	0.0399		2.4486	2.4486		2.2837	2.2837	0.0000	4,123.4069	4,123.4069	1.1178		4,146.8806
Total	**4.5041**	**48.3186**	**36.0407**	**0.0399**	**1.2656**	**2.4486**	**3.7142**	**0.1916**	**2.2837**	**2.4753**	**0.0000**	**4,123.4069**	**4,123.4069**	**1.1178**		**4,146.8806**

3.2 Demolition - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7560	1.9584	2.8103	4.3700e-003	5.4319	0.0333	5.4651	1.3362	0.0306	1.3668		442.5409	442.5409	3.7700e-003		442.6201
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6390	0.1802	1.6330	2.1500e-003	0.1916	1.7900e-003	0.1934	0.0508	1.6300e-003	0.0524		182.3808	182.3808	0.0129		182.6513
Total	**1.3950**	**2.1387**	**4.4433**	**6.5200e-003**	**5.6235**	**0.0351**	**5.6585**	**1.3870**	**0.0322**	**1.4192**		**624.9217**	**624.9217**	**0.0167**		**625.2714**

3.3 Site Preparation - 2015

Unmitigated Construction On-Site

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

3.3 Site Preparation - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7668	0.2163	1.9596	2.5800e-003	0.2299	2.1500e-003	0.2321	0.0610	1.9500e-003	0.0629		218.8569	218.8569	0.0155		219.1815
Total	**0.7668**	**0.2163**	**1.9596**	**2.5800e-003**	**0.2299**	**2.1500e-003**	**0.2321**	**0.0610**	**1.9500e-003**	**0.0629**		**218.8569**	**218.8569**	**0.0155**		**219.1815**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2561	56.8375	42.5927	0.0391		3.0855	3.0855		2.8386	2.8386	0.0000	4,107.9721	4,107.9721	1.2264		4,133.7265
Total	**5.2561**	**56.8375**	**42.5927**	**0.0391**	**18.0663**	**3.0855**	**21.1517**	**9.9307**	**2.8386**	**12.7693**	**0.0000**	**4,107.9721**	**4,107.9721**	**1.2264**		**4,133.7265**

3.3 Site Preparation - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7668	0.2163	1.9596	2.5800e-003	0.2299	2.1500e-003	0.2321	0.0610	1.9500e-003	0.0629		218.8569	218.8569	0.0155		219.1815
Total	**0.7668**	**0.2163**	**1.9596**	**2.5800e-003**	**0.2299**	**2.1500e-003**	**0.2321**	**0.0610**	**1.9500e-003**	**0.0629**		**218.8569**	**218.8569**	**0.0155**		**219.1815**

3.4 Grading - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.2433	6,486.2433	1.9364		6,526.9080
Total	**6.7751**	**79.0467**	**50.8400**	**0.0618**	**8.6733**	**3.8022**	**12.4755**	**3.5965**	**3.4980**	**7.0945**		**6,486.2433**	**6,486.2433**	**1.9364**		**6,526.9080**

3.4 Grading - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8520	0.2403	2.1773	2.8600e-003	0.2555	2.3900e-003	0.2579	0.0678	2.1700e-003	0.0699		243.1743	243.1743	0.0172		243.5351
Total	**0.8520**	**0.2403**	**2.1773**	**2.8600e-003**	**0.2555**	**2.3900e-003**	**0.2579**	**0.0678**	**2.1700e-003**	**0.0699**		**243.1743**	**243.1743**	**0.0172**		**243.5351**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.7689	78.9742	50.7933	0.0617		3.7987	3.7987		3.4948	3.4948	0.0000	6,480.2925	6,480.2925	1.9346		6,520.9199
Total	**6.7689**	**78.9742**	**50.7933**	**0.0617**	**8.6733**	**3.7987**	**12.4720**	**3.5965**	**3.4948**	**7.0913**	**0.0000**	**6,480.2925**	**6,480.2925**	**1.9346**		**6,520.9199**

3.4 Grading - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8520	0.2403	2.1773	2.8600e-003	0.2555	2.3900e-003	0.2579	0.0678	2.1700e-003	0.0699		243.1743	243.1743	0.0172		243.5351
Total	**0.8520**	**0.2403**	**2.1773**	**2.8600e-003**	**0.2555**	**2.3900e-003**	**0.2579**	**0.0678**	**2.1700e-003**	**0.0699**		**243.1743**	**243.1743**	**0.0172**		**243.5351**

3.5 Building Construction - 2015

Unmitigated Construction On-Site

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

3.5 Building Construction - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	13.7498	31.7440	81.1617	0.0640	1.7621	0.5787	2.3408	0.5025	0.5317	1.0342		6,393.2784	6,393.2784	0.0640		6,394.6225
Worker	45.7501	12.9050	116.9195	0.1538	13.7182	0.1285	13.8467	3.6379	0.1166	3.7545		13,058.4622	13,058.4622	0.9224		13,077.8321
Total	**59.4999**	**44.6490**	**198.0812**	**0.2178**	**15.4803**	**0.7072**	**16.1875**	**4.1404**	**0.6482**	**4.7887**		**19,451.7406**	**19,451.7406**	**0.9864**		**19,472.4545**

Mitigated Construction On-Site

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

3.5 Building Construction - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	13.7498	31.7440	81.1617	0.0640	1.7621	0.5787	2.3408	0.5025	0.5317	1.0342		6,393.2784	6,393.2784	0.0640		6,394.6225
Worker	45.7501	12.9050	116.9195	0.1538	13.7182	0.1285	13.8467	3.6379	0.1166	3.7545		13,058.4622	13,058.4622	0.9224		13,077.8321
Total	**59.4999**	**44.6490**	**198.0812**	**0.2178**	**15.4803**	**0.7072**	**16.1875**	**4.1404**	**0.6482**	**4.7887**		**19,451.7406**	**19,451.7406**	**0.9864**		**19,472.4545**

3.5 Building Construction - 2016

Unmitigated Construction On-Site

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

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	12.0543	27.6677	75.7710	0.0639	1.7627	0.4607	2.2234	0.5028	0.4233	0.9260		6,321.6238	6,321.6238	0.0559		6,322.7972
Worker	41.5421	11.3922	102.0688	0.1536	13.7182	0.1193	13.8375	3.6379	0.1087	3.7466		12,575.2658	12,575.2658	0.8284		12,592.6621
Total	**53.5964**	**39.0599**	**177.8397**	**0.2174**	**15.4810**	**0.5800**	**16.0609**	**4.1407**	**0.5320**	**4.6727**		**18,896.8896**	**18,896.8896**	**0.8843**		**18,915.4593**

Mitigated Construction On-Site

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

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	12.0543	27.6677	75.7710	0.0639	1.7627	0.4607	2.2234	0.5028	0.4233	0.9260		6,321.6238	6,321.6238	0.0559		6,322.7972
Worker	41.5421	11.3922	102.0688	0.1536	13.7182	0.1193	13.8375	3.6379	0.1087	3.7466		12,575.2658	12,575.2658	0.8284		12,592.6621
Total	**53.5964**	**39.0599**	**177.8397**	**0.2174**	**15.4810**	**0.5800**	**16.0609**	**4.1407**	**0.5320**	**4.6727**		**18,896.8896**	**18,896.8896**	**0.8843**		**18,915.4593**

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	**3.1024**	**26.4057**	**18.1291**	**0.0268**		**1.7812**	**1.7812**		**1.6730**	**1.6730**		**2,639.8053**	**2,639.8053**	**0.6497**		**2,653.4490**

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	10.7687	25.1392	72.2181	0.0638	1.7636	0.3940	2.1576	0.5031	0.3620	0.8651		6,221.5152	6,221.5152	0.0521		6,222.6090
Worker	37.4551	10.0209	88.1039	0.1533	13.7182	0.1116	13.8299	3.6379	0.1024	3.7403		12,072.8846	12,072.8846	0.7435		12,088.4972
Total	**48.2239**	**35.1601**	**160.3220**	**0.2171**	**15.4819**	**0.5056**	**15.9875**	**4.1410**	**0.4644**	**4.6055**		**18,294.3998**	**18,294.3998**	**0.7955**		**18,311.1062**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0995	26.3814	18.1125	0.0268		1.7796	1.7796		1.6714	1.6714	0.0000	2,637.3834	2,637.3834	0.6491		2,651.0146
Total	**3.0995**	**26.3814**	**18.1125**	**0.0268**		**1.7796**	**1.7796**		**1.6714**	**1.6714**	**0.0000**	**2,637.3834**	**2,637.3834**	**0.6491**		**2,651.0146**

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	10.7687	25.1392	72.2181	0.0638	1.7636	0.3940	2.1576	0.5031	0.3620	0.8651		6,221.5152	6,221.5152	0.0521		6,222.6090
Worker	37.4551	10.0209	88.1039	0.1533	13.7182	0.1116	13.8299	3.6379	0.1024	3.7403		12,072.8846	12,072.8846	0.7435		12,088.4972
Total	**48.2239**	**35.1601**	**160.3220**	**0.2171**	**15.4819**	**0.5056**	**15.9875**	**4.1410**	**0.4644**	**4.6055**		**18,294.3998**	**18,294.3998**	**0.7955**		**18,311.1062**

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**		**2,609.9390**	**2,609.9390**	**0.6387**		**2,623.3517**

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.6646	23.2795	68.8459	0.0637	1.7641	0.3379	2.1020	0.5033	0.3106	0.8139		6,121.1830	6,121.1830	0.0487		6,122.2054
Worker	33.9481	8.8869	76.7033	0.1531	13.7182	0.1062	13.8244	3.6379	0.0979	3.7359		11,614.2438	11,614.2438	0.6741		11,628.4001
Total	**43.6127**	**32.1664**	**145.5492**	**0.2168**	**15.4824**	**0.4441**	**15.9264**	**4.1412**	**0.4085**	**4.5497**		**17,735.4268**	**17,735.4268**	**0.7228**		**17,750.6055**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6662	23.2395	17.5166	0.0268		1.4929	1.4929		1.4035	1.4035	0.0000	2,607.5445	2,607.5445	0.6381		2,620.9449
Total	**2.6662**	**23.2395**	**17.5166**	**0.0268**		**1.4929**	**1.4929**		**1.4035**	**1.4035**	**0.0000**	**2,607.5445**	**2,607.5445**	**0.6381**		**2,620.9449**

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.6646	23.2795	68.8459	0.0637	1.7641	0.3379	2.1020	0.5033	0.3106	0.8139		6,121.1830	6,121.1830	0.0487		6,122.2054
Worker	33.9481	8.8869	76.7033	0.1531	13.7182	0.1062	13.8244	3.6379	0.0979	3.7359		11,614.2438	11,614.2438	0.6741		11,628.4001
Total	**43.6127**	**32.1664**	**145.5492**	**0.2168**	**15.4824**	**0.4441**	**15.9264**	**4.1412**	**0.4085**	**4.5497**		**17,735.4268**	**17,735.4268**	**0.7228**		**17,750.6055**

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	**2.3516**	**20.9650**	**17.1204**	**0.0268**		**1.2850**	**1.2850**		**1.2083**	**1.2083**		**2,580.7618**	**2,580.7618**	**0.6279**		**2,593.9479**

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.7407	21.6726	66.2445	0.0636	1.7648	0.3145	2.0793	0.5036	0.2891	0.7927		6,021.5537	6,021.5537	0.0474		6,022.5493
Worker	31.4301	8.0014	68.2631	0.1525	13.7182	0.1021	13.8204	3.6379	0.0945	3.7325		11,167.2541	11,167.2541	0.6199		11,180.2717
Total	**40.1708**	**29.6741**	**134.5076**	**0.2161**	**15.4831**	**0.4166**	**15.8997**	**4.1415**	**0.3837**	**4.5252**		**17,188.8077**	**17,188.8077**	**0.6673**		**17,202.8210**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3495	20.9458	17.1046	0.0268		1.2839	1.2839		1.2072	1.2072	0.0000	2,578.3941	2,578.3941	0.6273		2,591.5681
Total	**2.3495**	**20.9458**	**17.1046**	**0.0268**		**1.2839**	**1.2839**		**1.2072**	**1.2072**	**0.0000**	**2,578.3941**	**2,578.3941**	**0.6273**		**2,591.5681**

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.7407	21.6726	66.2445	0.0636	1.7648	0.3145	2.0793	0.5036	0.2891	0.7927		6,021.5537	6,021.5537	0.0474		6,022.5493
Worker	31.4301	8.0014	68.2631	0.1525	13.7182	0.1021	13.8204	3.6379	0.0945	3.7325		11,167.2541	11,167.2541	0.6199		11,180.2717
Total	**40.1708**	**29.6741**	**134.5076**	**0.2161**	**15.4831**	**0.4166**	**15.8997**	**4.1415**	**0.3837**	**4.5252**		**17,188.8077**	**17,188.8077**	**0.6673**		**17,202.8210**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	**2.1113**	**19.0839**	**16.8084**	**0.0268**		**1.1128**	**1.1128**		**1.0465**	**1.0465**		**2,542.4799**	**2,542.4799**	**0.6194**		**2,555.4880**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.9374	17.9561	63.9839	0.0635	1.7656	0.2744	2.0400	0.5039	0.2523	0.7562		5,887.2439	5,887.2439	0.0455		5,888.1985
Worker	29.4535	7.2902	61.7339	0.1524	13.7182	0.0998	13.8180	3.6379	0.0925	3.7304		10,725.9842	10,725.9842	0.5797		10,738.1581
Total	**37.3909**	**25.2462**	**125.7178**	**0.2160**	**15.4839**	**0.3742**	**15.8580**	**4.1418**	**0.3448**	**4.4866**		**16,613.2282**	**16,613.2282**	**0.6252**		**16,626.3566**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1093	19.0664	16.7930	0.0268		1.1118	1.1118		1.0455	1.0455	0.0000	2,540.1473	2,540.1473	0.6189		2,553.1435
Total	**2.1093**	**19.0664**	**16.7930**	**0.0268**		**1.1118**	**1.1118**		**1.0455**	**1.0455**	**0.0000**	**2,540.1473**	**2,540.1473**	**0.6189**		**2,553.1435**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.9374	17.9561	63.9839	0.0635	1.7656	0.2744	2.0400	0.5039	0.2523	0.7562		5,887.2439	5,887.2439	0.0455		5,888.1985
Worker	29.4535	7.2902	61.7339	0.1524	13.7182	0.0998	13.8180	3.6379	0.0925	3.7304		10,725.9842	10,725.9842	0.5797		10,738.1581
Total	**37.3909**	**25.2462**	**125.7178**	**0.2160**	**15.4839**	**0.3742**	**15.8580**	**4.1418**	**0.3448**	**4.4866**		**16,613.2282**	**16,613.2282**	**0.6252**		**16,626.3566**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799		2,160.7571	2,160.7571	0.6988		2,175.4326
Paving	0.6386					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9686**	**13.7845**	**14.3523**	**0.0223**		**0.7390**	**0.7390**		**0.6799**	**0.6799**		**2,160.7571**	**2,160.7571**	**0.6988**		**2,175.4326**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4114	0.1018	0.8622	2.1300e-003	0.1916	1.3900e-003	0.1930	0.0508	1.2900e-003	0.0521		149.8043	149.8043	8.1000e-003		149.9743
Total	**0.4114**	**0.1018**	**0.8622**	**2.1300e-003**	**0.1916**	**1.3900e-003**	**0.1930**	**0.0508**	**1.2900e-003**	**0.0521**		**149.8043**	**149.8043**	**8.1000e-003**		**149.9743**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3288	13.7719	14.3392	0.0223		0.7384	0.7384		0.6793	0.6793	0.0000	2,158.7747	2,158.7747	0.6982		2,173.4368
Paving	0.6386					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9674**	**13.7719**	**14.3392**	**0.0223**		**0.7384**	**0.7384**		**0.6793**	**0.6793**	**0.0000**	**2,158.7747**	**2,158.7747**	**0.6982**		**2,173.4368**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4114	0.1018	0.8622	2.1300e-003	0.1916	1.3900e-003	0.1930	0.0508	1.2900e-003	0.0521		149.8043	149.8043	8.1000e-003		149.9743
Total	**0.4114**	**0.1018**	**0.8622**	**2.1300e-003**	**0.1916**	**1.3900e-003**	**0.1930**	**0.0508**	**1.2900e-003**	**0.0521**		**149.8043**	**149.8043**	**8.1000e-003**		**149.9743**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	834.9168					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	**835.1589**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9057**

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	5.8962	1.4594	12.3583	0.0305	2.7462	0.0200	2.7662	0.7283	0.0185	0.7468		2,147.1942	2,147.1942	0.1161		2,149.6313
Total	**5.8962**	**1.4594**	**12.3583**	**0.0305**	**2.7462**	**0.0200**	**2.7662**	**0.7283**	**0.0185**	**0.7468**		**2,147.1942**	**2,147.1942**	**0.1161**		**2,149.6313**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	834.9168					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2420	1.6823	1.8297	2.9700e-003		0.1108	0.1108		0.1108	0.1108	0.0000	281.1898	281.1898	0.0218		281.6470
Total	**835.1587**	**1.6823**	**1.8297**	**2.9700e-003**		**0.1108**	**0.1108**		**0.1108**	**0.1108**	**0.0000**	**281.1898**	**281.1898**	**0.0218**		**281.6470**

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	5.8962	1.4594	12.3583	0.0305	2.7462	0.0200	2.7662	0.7283	0.0185	0.7468		2,147.1942	2,147.1942	0.1161		2,149.6313
Total	**5.8962**	**1.4594**	**12.3583**	**0.0305**	**2.7462**	**0.0200**	**2.7662**	**0.7283**	**0.0185**	**0.7468**		**2,147.1942**	**2,147.1942**	**0.1161**		**2,149.6313**

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	135.4049	108.7430	438.5722	0.6365	43.3161	1.2784	44.5946	11.5887	1.1751	12.7638		54,609.6342	54,609.6342	2.6195		54,664.6437
Unmitigated	135.4049	108.7430	438.5722	0.6365	43.3161	1.2784	44.5946	11.5887	1.1751	12.7638		54,609.6342	54,609.6342	2.6195		54,664.6437

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	138.39	150.36	127.47	494,881	494,881
Condo/Townhouse	204.29	221.96	188.17	730,539	730,539
Condo/Townhouse High Rise	4,902.96	5,327.04	4516.08	17,532,940	17,532,940
Enclosed Parking Structure	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Retail	0.00	0.00	0.00		
Total	5,245.64	5,699.36	4,831.72	18,758,360	18,758,360

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 Mid Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse High Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Enclosed Parking Structure	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
User Defined Retail	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.381852	0.086091	0.200079	0.163903	0.085749	0.010610	0.015453	0.038109	0.001550	0.000665	0.009389	0.000881	0.005669

4.4 Fleet Mix

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
NaturalGas Unmitigated	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542

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 Mid Rise	250.564	2.7000e-003	0.0231	9.8300e-003	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4781	29.4781	5.6000e-004	5.4000e-004	29.6575
Condo/Townhouse	584.066	6.3000e-003	0.0538	0.0229	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003		68.7137	68.7137	1.3200e-003	1.2600e-003	69.1319
Condo/Townhouse High Rise	14017.6	0.1512	1.2918	0.5497	8.2500e-003		0.1044	0.1044		0.1044	0.1044		1,649.1285	1,649.1285	0.0316	0.0302	1,659.1648
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other 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
User Defined Retail	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
Total		**0.1602**	**1.3687**	**0.5824**	**8.7400e-003**		**0.1107**	**0.1107**		**0.1107**	**0.1107**		**1,747.3203**	**1,747.3203**	**0.0335**	**0.0320**	**1,757.9542**

5.2 Energy by Land Use - NaturalGas

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					
Apartments Mid Rise	0.250564	2.7000e-003	0.0231	9.8300e-003	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4781	29.4781	5.6000e-004	5.4000e-004	29.6575
Condo/Townhouse	0.584066	6.3000e-003	0.0538	0.0229	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003		68.7137	68.7137	1.3200e-003	1.2600e-003	69.1319
Condo/Townhouse High Rise	14.0176	0.1512	1.2918	0.5497	8.2500e-003		0.1044	0.1044		0.1044	0.1044		1,649.1285	1,649.1285	0.0316	0.0302	1,659.1648
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other 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
User Defined Retail	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
Total		**0.1602**	**1.3687**	**0.5824**	**8.7400e-003**		**0.1107**	**0.1107**		**0.1107**	**0.1107**		**1,747.3203**	**1,747.3203**	**0.0335**	**0.0320**	**1,757.9542**

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	1,294.4534	17.3009	1,567.0272	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3276	31,495.6253	20.5192	1.7388	32,465.5646
Unmitigated	1,294.4534	17.3009	1,567.0272	0.5896		211.1973	211.1973		211.1911	211.1911	22,106.2977	9,389.3276	31,495.6253	20.5192	1.7388	32,465.5646

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	17.1558					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	57.0369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,218.1944	16.5276	1,500.6847	0.5862		210.8371	210.8371		210.8309	210.8309	22,106.2977	9,271.0588	31,377.3565	20.4004	1.7388	32,344.8022
Landscaping	2.0663	0.7733	66.3426	3.4700e-003		0.3602	0.3602		0.3602	0.3602		118.2688	118.2688	0.1187		120.7623
Total	**1,294.4534**	**17.3009**	**1,567.0272**	**0.5896**		**211.1973**	**211.1973**		**211.1911**	**211.1911**	**22,106.2977**	**9,389.3276**	**31,495.6253**	**20.5192**	**1.7388**	**32,465.5646**

6.2 Area by SubCategory

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	17.1558					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	57.0369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,218.1944	16.5276	1,500.6847	0.5862		210.8371	210.8371		210.8309	210.8309	22,106.2977	9,271.0588	31,377.3565	20.4004	1.7388	32,344.8022
Landscaping	2.0663	0.7733	66.3426	3.4700e-003		0.3602	0.3602		0.3602	0.3602		118.2688	118.2688	0.1187		120.7623
Total	**1,294.4534**	**17.3009**	**1,567.0272**	**0.5896**		**211.1973**	**211.1973**		**211.1911**	**211.1911**	**22,106.2977**	**9,389.3276**	**31,495.6253**	**20.5192**	**1.7388**	**32,465.5646**

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
Signal Boards	1	24.00	260	6	0.82	Diesel
Tractors/Loaders/Backhoes	3	4.00	260	97	0.37	Diesel

UnMitigated/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
Equipment Type	lb/day										lb/day					
Signal Boards	0.1721	1.0783	0.9031	2.0800e-003		0.0419	0.0419		0.0419	0.0419		147.9406	147.9406	0.0154		148.2632
Tractors/Loaders/Backhoes	0.4733	4.5473	3.5762	4.6500e-003		0.3420	0.3420		0.3146	0.3146		475.4620	475.4620	0.1457		478.5213
Total	**0.6453**	**5.6255**	**4.4793**	**6.7300e-003**		**0.3839**	**0.3839**		**0.3565**	**0.3565**		**623.4027**	**623.4027**	**0.1610**		**626.7845**

10.0 Vegetation

VSVSP Operational - Landscape Maintenance and Offroad Equipment

Mountain Counties Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	3.22	Acre	3.22	140,263.20	0
Other Asphalt Surfaces	7.61	Acre	7.61	331,491.60	0
Parking Lot	10.67	Acre	10.67	464,785.20	0
Apartments Mid Rise	21.00	Dwelling Unit	0.65	31,071.00	60
Condo/Townhouse	31.00	Dwelling Unit	9.70	103,000.00	89
Condo/Townhouse High Rise	744.00	Dwelling Unit	17.81	1,258,958.00	2128
User Defined Retail	75.00	User Defined Unit	7.43	335,708.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	8
Climate Zone	14			**Operational Year**	2035
Utility Company	Sierra Pacific Resources				
CO2 Intensity (lb/MWhr)	1328.16	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - http://www.laketahoenews.net/2011/01/power-on-california-side-of-tahoe-no-longer-provided-by-sierra-pacific-power/

Land Use - Project-specific data, condensed from Table 1 in kickoff packet. For the purposes of this model run, estimating construction emissions only, the population estimates are not needed, nor accurate.

Construction Phase - See worksheet with notes about phasing.

Off-road Equipment -

Off-road Equipment - Cranes may be used when construction the taller buildings.

Off-road Equipment - Added equipment is used for the repurposing of asphalt, including an Ashalt Planer (asphalt mill), a CAT PM-201 Cold Planer, represented by a crawler tractor.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - existing buildings and parking lots

Architectural Coating - The Interior and Exterior areas were adjusted to reflect the land use amounts in the project description.

Energy Use -

Land Use Change - Vegetation loss values were provided by Ascents biological impacts analysis (prepared by CF).

Sequestration -

Operational Off-Road Equipment - This equipment is often used at ski resort communities. Loaders are typically used for snow removal.

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	21,000.00	31,071.00
tblLandUse	LandUseSquareFeet	31,000.00	103,000.00
tblLandUse	LandUseSquareFeet	744,000.00	1,258,958.00
tblLandUse	LandUseSquareFeet	0.00	335,708.00
tblLandUse	LotAcreage	0.55	0.65
tblLandUse	LotAcreage	1.94	9.70
tblLandUse	LotAcreage	11.63	17.81
tblLandUse	LotAcreage	0.00	7.43
tblLandUseChange	CO2peracre	14.30	111.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	180.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	180.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	24.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	3.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	63.1590	79.2870	216.8258	0.2446	18.2962	3.8046	21.3866	9.9917	3.5002	12.8348	0.0000	22,141.3177	22,141.3177	1.9536	0.0000	22,182.3431
2016	57.0026	67.5663	196.3464	0.2442	15.4810	2.5473	18.0283	4.1407	2.3804	6.5211	0.0000	21,566.1760	21,566.1760	1.5463	0.0000	21,598.6483
2017	51.3262	61.5658	178.4511	0.2439	15.4819	2.2868	17.7687	4.1410	2.1374	6.2784	0.0000	20,934.2051	20,934.2051	1.4452	0.0000	20,964.5552
2018	46.2813	55.4273	163.0819	0.2436	15.4824	1.9384	17.4207	4.1412	1.8133	5.9545	0.0000	20,345.3657	20,345.3657	1.3615	0.0000	20,373.9572
2019	42.5224	50.6391	151.6280	0.2429	15.4831	1.7017	17.1848	4.1415	1.5920	5.7335	0.0000	19,769.5695	19,769.5695	1.2952	0.0000	19,796.7689
2020	841.0551	44.3302	142.5262	0.2428	15.4839	1.4870	16.9709	4.1418	1.3913	5.5331	0.0000	19,155.7081	19,155.7081	1.2446	0.0000	19,181.8446
Total	**1,101.3467**	**358.8155**	**1,048.8594**	**1.4620**	**95.7083**	**13.7658**	**108.7600**	**30.6980**	**12.8145**	**42.8555**	**0.0000**	**123,912.3420**	**123,912.3420**	**8.8464**	**0.0000**	**124,098.1173**

2.1 Overall Construction (Maximum Daily Emission)

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	63.1556	79.2145	216.8086	0.2446	18.2962	3.8011	21.3838	9.9917	3.4970	12.8322	0.0000	22,138.8502	22,138.8502	1.9518	0.0000	22,179.8383
2016	56.9995	67.5401	196.3294	0.2442	15.4810	2.5455	18.0265	4.1407	2.3788	6.5194	0.0000	21,563.7270	21,563.7270	1.5457	0.0000	21,596.1866
2017	51.3234	61.5415	178.4345	0.2439	15.4819	2.2852	17.7671	4.1410	2.1359	6.2769	0.0000	20,931.7832	20,931.7832	1.4447	0.0000	20,962.1208
2018	46.2789	55.4059	163.0658	0.2436	15.4824	1.9370	17.4194	4.1412	1.8120	5.9532	0.0000	20,342.9712	20,342.9712	1.3609	0.0000	20,371.5504
2019	42.5203	50.6199	151.6122	0.2429	15.4831	1.7005	17.1836	4.1415	1.5908	5.7324	0.0000	19,767.2018	19,767.2018	1.2946	0.0000	19,794.3891
2020	841.0549	44.3126	142.5108	0.2427	15.4839	1.4860	16.9698	4.1418	1.3903	5.5321	0.0000	19,153.3755	19,153.3755	1.2440	0.0000	19,179.5001
Total	**1,101.3326**	**358.6345**	**1,048.7613**	**1.4618**	**95.7083**	**13.7553**	**108.7501**	**30.6980**	**12.8047**	**42.8463**	**0.0000**	**123,897.9089**	**123,897.9089**	**8.8417**	**0.0000**	**124,083.5853**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.05**	**0.01**	**0.01**	**0.00**	**0.08**	**0.01**	**0.00**	**0.08**	**0.02**	**0.00**	**0.01**	**0.01**	**0.05**	**0.00**	**0.01**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,294.3447	17.2827	1,566.1346	0.5896		211.2013	211.2013		211.1951	211.1951	22,106.2977	9,389.3276	31,495.6252	20.5131	1.7388	32,465.4360
Energy	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
Mobile	68.5558	42.4458	201.1711	0.6450	43.4037	0.9425	44.3463	11.6211	0.8692	12.4903		47,751.0750	47,751.0750	1.2331		47,776.9700
Offroad	0.4170	2.5224	4.4190	7.7800e-003		0.0609	0.0609		0.0609	0.0609		687.5331	687.5331	0.0372		688.3142
Total	**1,363.4777**	**63.6197**	**1,772.3072**	**1.2512**	**43.4037**	**212.3154**	**255.7191**	**11.6211**	**212.2359**	**223.8570**	**22,106.2977**	**59,575.2559**	**81,681.5536**	**21.8168**	**1.7709**	**82,688.6743**

2.2 Overall Operational

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	1,294.3447	17.2827	1,566.1346	0.5896		211.2013	211.2013		211.1951	211.1951	22,106.2977	9,389.3276	31,495.6252	20.5131	1.7388	32,465.4360
Energy	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
Mobile	68.5558	42.4458	201.1711	0.6450	43.4037	0.9425	44.3463	11.6211	0.8692	12.4903		47,751.0750	47,751.0750	1.2331		47,776.9700
Offroad	0.4170	2.5224	4.4190	7.7800e-003		0.0609	0.0609		0.0609	0.0609		687.5331	687.5331	0.0372		688.3142
Total	**1,363.4777**	**63.6197**	**1,772.3072**	**1.2512**	**43.4037**	**212.3154**	**255.7191**	**11.6211**	**212.2359**	**223.8570**	**22,106.2977**	**59,575.2559**	**81,681.5536**	**21.8168**	**1.7709**	**82,688.6743**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.03**	**3.96**	**0.25**	**0.62**	**0.00**	**0.03**	**0.02**	**0.00**	**0.03**	**0.03**	**0.00**	**1.15**	**0.84**	**0.17**	**0.00**	**0.83**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	4/8/2015	5	70	
2	Site Preparation	Site Preparation	4/9/2015	6/3/2015	5	40	
3	Grading	Grading	6/4/2015	11/4/2015	5	110	
4	Building Construction	Building Construction	11/5/2015	2/5/2020	5	1110	
5	Paving	Paving	2/6/2020	5/20/2020	5	75	
6	Architectural Coating	Architectural Coating	5/21/2020	9/2/2020	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 275

Acres of Paving: 0

Residential Indoor: 2,820,884; Residential Outdoor: 940,295; Non-Residential Indoor: 1,232,110; Non-Residential Outdoor: 410,703

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	409.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,074.00	294.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	215.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2656	0.0000	1.2656	0.1916	0.0000	0.1916			0.0000			0.0000
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858		4,127.1934	4,127.1934	1.1188		4,150.6886
Total	**4.5083**	**48.3629**	**36.0738**	**0.0399**	**1.2656**	**2.4508**	**3.7165**	**0.1916**	**2.2858**	**2.4774**		**4,127.1934**	**4,127.1934**	**1.1188**		**4,150.6886**

3.2 Demolition - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7560	1.9584	2.8103	4.3700e-003	0.1017	0.0333	0.1350	0.0278	0.0306	0.0584		442.5409	442.5409	3.7700e-003		442.6201
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6390	0.1802	1.6330	2.1500e-003	0.1916	1.7900e-003	0.1934	0.0508	1.6300e-003	0.0524		182.3808	182.3808	0.0129		182.6513
Total	**1.3950**	**2.1387**	**4.4433**	**6.5200e-003**	**0.2933**	**0.0351**	**0.3283**	**0.0786**	**0.0322**	**0.1109**		**624.9217**	**624.9217**	**0.0167**		**625.2714**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2656	0.0000	1.2656	0.1916	0.0000	0.1916			0.0000			0.0000
Off-Road	4.5041	48.3186	36.0407	0.0399		2.4486	2.4486		2.2837	2.2837	0.0000	4,123.4069	4,123.4069	1.1178		4,146.8806
Total	**4.5041**	**48.3186**	**36.0407**	**0.0399**	**1.2656**	**2.4486**	**3.7142**	**0.1916**	**2.2837**	**2.4753**	**0.0000**	**4,123.4069**	**4,123.4069**	**1.1178**		**4,146.8806**

3.2 Demolition - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7560	1.9584	2.8103	4.3700e-003	5.4319	0.0333	5.4651	1.3362	0.0306	1.3668		442.5409	442.5409	3.7700e-003		442.6201
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6390	0.1802	1.6330	2.1500e-003	0.1916	1.7900e-003	0.1934	0.0508	1.6300e-003	0.0524		182.3808	182.3808	0.0129		182.6513
Total	**1.3950**	**2.1387**	**4.4433**	**6.5200e-003**	**5.6235**	**0.0351**	**5.6585**	**1.3870**	**0.0322**	**1.4192**		**624.9217**	**624.9217**	**0.0167**		**625.2714**

3.3 Site Preparation - 2015

Unmitigated Construction On-Site

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

3.3 Site Preparation - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7668	0.2163	1.9596	2.5800e-003	0.2299	2.1500e-003	0.2321	0.0610	1.9500e-003	0.0629		218.8569	218.8569	0.0155		219.1815
Total	**0.7668**	**0.2163**	**1.9596**	**2.5800e-003**	**0.2299**	**2.1500e-003**	**0.2321**	**0.0610**	**1.9500e-003**	**0.0629**		**218.8569**	**218.8569**	**0.0155**		**219.1815**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2561	56.8375	42.5927	0.0391		3.0855	3.0855		2.8386	2.8386	0.0000	4,107.9721	4,107.9721	1.2264		4,133.7265
Total	**5.2561**	**56.8375**	**42.5927**	**0.0391**	**18.0663**	**3.0855**	**21.1517**	**9.9307**	**2.8386**	**12.7693**	**0.0000**	**4,107.9721**	**4,107.9721**	**1.2264**		**4,133.7265**

3.3 Site Preparation - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7668	0.2163	1.9596	2.5800e-003	0.2299	2.1500e-003	0.2321	0.0610	1.9500e-003	0.0629		218.8569	218.8569	0.0155		219.1815
Total	**0.7668**	**0.2163**	**1.9596**	**2.5800e-003**	**0.2299**	**2.1500e-003**	**0.2321**	**0.0610**	**1.9500e-003**	**0.0629**		**218.8569**	**218.8569**	**0.0155**		**219.1815**

3.4 Grading - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.2433	6,486.2433	1.9364		6,526.9080
Total	**6.7751**	**79.0467**	**50.8400**	**0.0618**	**8.6733**	**3.8022**	**12.4755**	**3.5965**	**3.4980**	**7.0945**		**6,486.2433**	**6,486.2433**	**1.9364**		**6,526.9080**

3.4 Grading - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8520	0.2403	2.1773	2.8600e-003	0.2555	2.3900e-003	0.2579	0.0678	2.1700e-003	0.0699		243.1743	243.1743	0.0172		243.5351
Total	**0.8520**	**0.2403**	**2.1773**	**2.8600e-003**	**0.2555**	**2.3900e-003**	**0.2579**	**0.0678**	**2.1700e-003**	**0.0699**		**243.1743**	**243.1743**	**0.0172**		**243.5351**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.7689	78.9742	50.7933	0.0617		3.7987	3.7987		3.4948	3.4948	0.0000	6,480.2925	6,480.2925	1.9346		6,520.9199
Total	**6.7689**	**78.9742**	**50.7933**	**0.0617**	**8.6733**	**3.7987**	**12.4720**	**3.5965**	**3.4948**	**7.0913**	**0.0000**	**6,480.2925**	**6,480.2925**	**1.9346**		**6,520.9199**

3.4 Grading - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8520	0.2403	2.1773	2.8600e-003	0.2555	2.3900e-003	0.2579	0.0678	2.1700e-003	0.0699		243.1743	243.1743	0.0172		243.5351
Total	**0.8520**	**0.2403**	**2.1773**	**2.8600e-003**	**0.2555**	**2.3900e-003**	**0.2579**	**0.0678**	**2.1700e-003**	**0.0699**		**243.1743**	**243.1743**	**0.0172**		**243.5351**

3.5 Building Construction - 2015

Unmitigated Construction On-Site

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

3.5 Building Construction - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	13.7498	31.7440	81.1617	0.0640	1.7621	0.5787	2.3408	0.5025	0.5317	1.0342		6,393.2784	6,393.2784	0.0640		6,394.6225
Worker	45.7501	12.9050	116.9195	0.1538	13.7182	0.1285	13.8467	3.6379	0.1166	3.7545		13,058.4622	13,058.4622	0.9224		13,077.8321
Total	**59.4999**	**44.6490**	**198.0812**	**0.2178**	**15.4803**	**0.7072**	**16.1875**	**4.1404**	**0.6482**	**4.7887**		**19,451.7406**	**19,451.7406**	**0.9864**		**19,472.4545**

Mitigated Construction On-Site

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

3.5 Building Construction - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	13.7498	31.7440	81.1617	0.0640	1.7621	0.5787	2.3408	0.5025	0.5317	1.0342		6,393.2784	6,393.2784	0.0640		6,394.6225
Worker	45.7501	12.9050	116.9195	0.1538	13.7182	0.1285	13.8467	3.6379	0.1166	3.7545		13,058.4622	13,058.4622	0.9224		13,077.8321
Total	**59.4999**	**44.6490**	**198.0812**	**0.2178**	**15.4803**	**0.7072**	**16.1875**	**4.1404**	**0.6482**	**4.7887**		**19,451.7406**	**19,451.7406**	**0.9864**		**19,472.4545**

3.5 Building Construction - 2016

Unmitigated Construction On-Site

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

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	12.0543	27.6677	75.7710	0.0639	1.7627	0.4607	2.2234	0.5028	0.4233	0.9260		6,321.6238	6,321.6238	0.0559		6,322.7972
Worker	41.5421	11.3922	102.0688	0.1536	13.7182	0.1193	13.8375	3.6379	0.1087	3.7466		12,575.2658	12,575.2658	0.8284		12,592.6621
Total	**53.5964**	**39.0599**	**177.8397**	**0.2174**	**15.4810**	**0.5800**	**16.0609**	**4.1407**	**0.5320**	**4.6727**		**18,896.8896**	**18,896.8896**	**0.8843**		**18,915.4593**

Mitigated Construction On-Site

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

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	12.0543	27.6677	75.7710	0.0639	1.7627	0.4607	2.2234	0.5028	0.4233	0.9260		6,321.6238	6,321.6238	0.0559		6,322.7972
Worker	41.5421	11.3922	102.0688	0.1536	13.7182	0.1193	13.8375	3.6379	0.1087	3.7466		12,575.2658	12,575.2658	0.8284		12,592.6621
Total	**53.5964**	**39.0599**	**177.8397**	**0.2174**	**15.4810**	**0.5800**	**16.0609**	**4.1407**	**0.5320**	**4.6727**		**18,896.8896**	**18,896.8896**	**0.8843**		**18,915.4593**

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	**3.1024**	**26.4057**	**18.1291**	**0.0268**		**1.7812**	**1.7812**		**1.6730**	**1.6730**		**2,639.8053**	**2,639.8053**	**0.6497**		**2,653.4490**

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	10.7687	25.1392	72.2181	0.0638	1.7636	0.3940	2.1576	0.5031	0.3620	0.8651		6,221.5152	6,221.5152	0.0521		6,222.6090
Worker	37.4551	10.0209	88.1039	0.1533	13.7182	0.1116	13.8299	3.6379	0.1024	3.7403		12,072.8846	12,072.8846	0.7435		12,088.4972
Total	**48.2239**	**35.1601**	**160.3220**	**0.2171**	**15.4819**	**0.5056**	**15.9875**	**4.1410**	**0.4644**	**4.6055**		**18,294.3998**	**18,294.3998**	**0.7955**		**18,311.1062**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0995	26.3814	18.1125	0.0268		1.7796	1.7796		1.6714	1.6714	0.0000	2,637.3834	2,637.3834	0.6491		2,651.0146
Total	**3.0995**	**26.3814**	**18.1125**	**0.0268**		**1.7796**	**1.7796**		**1.6714**	**1.6714**	**0.0000**	**2,637.3834**	**2,637.3834**	**0.6491**		**2,651.0146**

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	10.7687	25.1392	72.2181	0.0638	1.7636	0.3940	2.1576	0.5031	0.3620	0.8651		6,221.5152	6,221.5152	0.0521		6,222.6090
Worker	37.4551	10.0209	88.1039	0.1533	13.7182	0.1116	13.8299	3.6379	0.1024	3.7403		12,072.8846	12,072.8846	0.7435		12,088.4972
Total	**48.2239**	**35.1601**	**160.3220**	**0.2171**	**15.4819**	**0.5056**	**15.9875**	**4.1410**	**0.4644**	**4.6055**		**18,294.3998**	**18,294.3998**	**0.7955**		**18,311.1062**

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**		**2,609.9390**	**2,609.9390**	**0.6387**		**2,623.3517**

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.6646	23.2795	68.8459	0.0637	1.7641	0.3379	2.1020	0.5033	0.3106	0.8139		6,121.1830	6,121.1830	0.0487		6,122.2054
Worker	33.9481	8.8869	76.7033	0.1531	13.7182	0.1062	13.8244	3.6379	0.0979	3.7359		11,614.2438	11,614.2438	0.6741		11,628.4001
Total	**43.6127**	**32.1664**	**145.5492**	**0.2168**	**15.4824**	**0.4441**	**15.9264**	**4.1412**	**0.4085**	**4.5497**		**17,735.4268**	**17,735.4268**	**0.7228**		**17,750.6055**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6662	23.2395	17.5166	0.0268		1.4929	1.4929		1.4035	1.4035	0.0000	2,607.5445	2,607.5445	0.6381		2,620.9449
Total	**2.6662**	**23.2395**	**17.5166**	**0.0268**		**1.4929**	**1.4929**		**1.4035**	**1.4035**	**0.0000**	**2,607.5445**	**2,607.5445**	**0.6381**		**2,620.9449**

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.6646	23.2795	68.8459	0.0637	1.7641	0.3379	2.1020	0.5033	0.3106	0.8139		6,121.1830	6,121.1830	0.0487		6,122.2054
Worker	33.9481	8.8869	76.7033	0.1531	13.7182	0.1062	13.8244	3.6379	0.0979	3.7359		11,614.2438	11,614.2438	0.6741		11,628.4001
Total	**43.6127**	**32.1664**	**145.5492**	**0.2168**	**15.4824**	**0.4441**	**15.9264**	**4.1412**	**0.4085**	**4.5497**		**17,735.4268**	**17,735.4268**	**0.7228**		**17,750.6055**

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	**2.3516**	**20.9650**	**17.1204**	**0.0268**		**1.2850**	**1.2850**		**1.2083**	**1.2083**		**2,580.7618**	**2,580.7618**	**0.6279**		**2,593.9479**

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.7407	21.6726	66.2445	0.0636	1.7648	0.3145	2.0793	0.5036	0.2891	0.7927		6,021.5537	6,021.5537	0.0474		6,022.5493
Worker	31.4301	8.0014	68.2631	0.1525	13.7182	0.1021	13.8204	3.6379	0.0945	3.7325		11,167.2541	11,167.2541	0.6199		11,180.2717
Total	**40.1708**	**29.6741**	**134.5076**	**0.2161**	**15.4831**	**0.4166**	**15.8997**	**4.1415**	**0.3837**	**4.5252**		**17,188.8077**	**17,188.8077**	**0.6673**		**17,202.8210**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3495	20.9458	17.1046	0.0268		1.2839	1.2839		1.2072	1.2072	0.0000	2,578.3941	2,578.3941	0.6273		2,591.5681
Total	**2.3495**	**20.9458**	**17.1046**	**0.0268**		**1.2839**	**1.2839**		**1.2072**	**1.2072**	**0.0000**	**2,578.3941**	**2,578.3941**	**0.6273**		**2,591.5681**

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.7407	21.6726	66.2445	0.0636	1.7648	0.3145	2.0793	0.5036	0.2891	0.7927		6,021.5537	6,021.5537	0.0474		6,022.5493
Worker	31.4301	8.0014	68.2631	0.1525	13.7182	0.1021	13.8204	3.6379	0.0945	3.7325		11,167.2541	11,167.2541	0.6199		11,180.2717
Total	**40.1708**	**29.6741**	**134.5076**	**0.2161**	**15.4831**	**0.4166**	**15.8997**	**4.1415**	**0.3837**	**4.5252**		**17,188.8077**	**17,188.8077**	**0.6673**		**17,202.8210**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	**2.1113**	**19.0839**	**16.8084**	**0.0268**		**1.1128**	**1.1128**		**1.0465**	**1.0465**		**2,542.4799**	**2,542.4799**	**0.6194**		**2,555.4880**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.9374	17.9561	63.9839	0.0635	1.7656	0.2744	2.0400	0.5039	0.2523	0.7562		5,887.2439	5,887.2439	0.0455		5,888.1985
Worker	29.4535	7.2902	61.7339	0.1524	13.7182	0.0998	13.8180	3.6379	0.0925	3.7304		10,725.9842	10,725.9842	0.5797		10,738.1581
Total	**37.3909**	**25.2462**	**125.7178**	**0.2160**	**15.4839**	**0.3742**	**15.8580**	**4.1418**	**0.3448**	**4.4866**		**16,613.2282**	**16,613.2282**	**0.6252**		**16,626.3566**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1093	19.0664	16.7930	0.0268		1.1118	1.1118		1.0455	1.0455	0.0000	2,540.1473	2,540.1473	0.6189		2,553.1435
Total	**2.1093**	**19.0664**	**16.7930**	**0.0268**		**1.1118**	**1.1118**		**1.0455**	**1.0455**	**0.0000**	**2,540.1473**	**2,540.1473**	**0.6189**		**2,553.1435**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.9374	17.9561	63.9839	0.0635	1.7656	0.2744	2.0400	0.5039	0.2523	0.7562		5,887.2439	5,887.2439	0.0455		5,888.1985
Worker	29.4535	7.2902	61.7339	0.1524	13.7182	0.0998	13.8180	3.6379	0.0925	3.7304		10,725.9842	10,725.9842	0.5797		10,738.1581
Total	**37.3909**	**25.2462**	**125.7178**	**0.2160**	**15.4839**	**0.3742**	**15.8580**	**4.1418**	**0.3448**	**4.4866**		**16,613.2282**	**16,613.2282**	**0.6252**		**16,626.3566**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799		2,160.7571	2,160.7571	0.6988		2,175.4326
Paving	0.6386					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9686**	**13.7845**	**14.3523**	**0.0223**		**0.7390**	**0.7390**		**0.6799**	**0.6799**		**2,160.7571**	**2,160.7571**	**0.6988**		**2,175.4326**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4114	0.1018	0.8622	2.1300e-003	0.1916	1.3900e-003	0.1930	0.0508	1.2900e-003	0.0521		149.8043	149.8043	8.1000e-003		149.9743
Total	**0.4114**	**0.1018**	**0.8622**	**2.1300e-003**	**0.1916**	**1.3900e-003**	**0.1930**	**0.0508**	**1.2900e-003**	**0.0521**		**149.8043**	**149.8043**	**8.1000e-003**		**149.9743**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3288	13.7719	14.3392	0.0223		0.7384	0.7384		0.6793	0.6793	0.0000	2,158.7747	2,158.7747	0.6982		2,173.4368
Paving	0.6386					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9674**	**13.7719**	**14.3392**	**0.0223**		**0.7384**	**0.7384**		**0.6793**	**0.6793**	**0.0000**	**2,158.7747**	**2,158.7747**	**0.6982**		**2,173.4368**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4114	0.1018	0.8622	2.1300e-003	0.1916	1.3900e-003	0.1930	0.0508	1.2900e-003	0.0521		149.8043	149.8043	8.1000e-003		149.9743
Total	**0.4114**	**0.1018**	**0.8622**	**2.1300e-003**	**0.1916**	**1.3900e-003**	**0.1930**	**0.0508**	**1.2900e-003**	**0.0521**		**149.8043**	**149.8043**	**8.1000e-003**		**149.9743**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	834.9168					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	**835.1589**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9057**

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	5.8962	1.4594	12.3583	0.0305	2.7462	0.0200	2.7662	0.7283	0.0185	0.7468		2,147.1942	2,147.1942	0.1161		2,149.6313
Total	**5.8962**	**1.4594**	**12.3583**	**0.0305**	**2.7462**	**0.0200**	**2.7662**	**0.7283**	**0.0185**	**0.7468**		**2,147.1942**	**2,147.1942**	**0.1161**		**2,149.6313**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	834.9168					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2420	1.6823	1.8297	2.9700e-003		0.1108	0.1108		0.1108	0.1108	0.0000	281.1898	281.1898	0.0218		281.6470
Total	**835.1587**	**1.6823**	**1.8297**	**2.9700e-003**		**0.1108**	**0.1108**		**0.1108**	**0.1108**	**0.0000**	**281.1898**	**281.1898**	**0.0218**		**281.6470**

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	5.8962	1.4594	12.3583	0.0305	2.7462	0.0200	2.7662	0.7283	0.0185	0.7468		2,147.1942	2,147.1942	0.1161		2,149.6313
Total	**5.8962**	**1.4594**	**12.3583**	**0.0305**	**2.7462**	**0.0200**	**2.7662**	**0.7283**	**0.0185**	**0.7468**		**2,147.1942**	**2,147.1942**	**0.1161**		**2,149.6313**

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	68.5558	42.4458	201.1711	0.6450	43.4037	0.9425	44.3463	11.6211	0.8692	12.4903		47,751.0750	47,751.0750	1.2331		47,776.9700
Unmitigated	68.5558	42.4458	201.1711	0.6450	43.4037	0.9425	44.3463	11.6211	0.8692	12.4903		47,751.0750	47,751.0750	1.2331		47,776.9700

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	138.39	150.36	127.47	494,881	494,881
Condo/Townhouse	204.29	221.96	188.17	730,539	730,539
Condo/Townhouse High Rise	4,902.96	5,327.04	4516.08	17,532,940	17,532,940
Enclosed Parking Structure	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Retail	0.00	0.00	0.00		
Total	5,245.64	5,699.36	4,831.72	18,758,360	18,758,360

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 Mid Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse High Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Enclosed Parking Structure	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
User Defined Retail	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.382710	0.086934	0.195287	0.156914	0.083331	0.010743	0.019412	0.045919	0.001692	0.000666	0.009977	0.000807	0.005607

4.4 Fleet Mix

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542
NaturalGas Unmitigated	0.1602	1.3687	0.5824	8.7400e-003		0.1107	0.1107		0.1107	0.1107		1,747.3203	1,747.3203	0.0335	0.0320	1,757.9542

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 Mid Rise	250.564	2.7000e-003	0.0231	9.8300e-003	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4781	29.4781	5.6000e-004	5.4000e-004	29.6575
Condo/Townhouse	584.066	6.3000e-003	0.0538	0.0229	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003		68.7137	68.7137	1.3200e-003	1.2600e-003	69.1319
Condo/Townhouse High Rise	14017.6	0.1512	1.2918	0.5497	8.2500e-003		0.1044	0.1044		0.1044	0.1044		1,649.1285	1,649.1285	0.0316	0.0302	1,659.1648
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other 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
User Defined Retail	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
Total		**0.1602**	**1.3687**	**0.5824**	**8.7400e-003**		**0.1107**	**0.1107**		**0.1107**	**0.1107**		**1,747.3203**	**1,747.3203**	**0.0335**	**0.0320**	**1,757.9542**

5.2 Energy by Land Use - NaturalGas

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					
Apartments Mid Rise	0.250564	2.7000e-003	0.0231	9.8300e-003	1.5000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003		29.4781	29.4781	5.6000e-004	5.4000e-004	29.6575
Condo/Townhouse	0.584066	6.3000e-003	0.0538	0.0229	3.4000e-004		4.3500e-003	4.3500e-003		4.3500e-003	4.3500e-003		68.7137	68.7137	1.3200e-003	1.2600e-003	69.1319
Condo/Townhouse High Rise	14.0176	0.1512	1.2918	0.5497	8.2500e-003		0.1044	0.1044		0.1044	0.1044		1,649.1285	1,649.1285	0.0316	0.0302	1,659.1648
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other 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
User Defined Retail	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
Total		**0.1602**	**1.3687**	**0.5824**	**8.7400e-003**		**0.1107**	**0.1107**		**0.1107**	**0.1107**		**1,747.3203**	**1,747.3203**	**0.0335**	**0.0320**	**1,757.9542**

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	1,294.3447	17.2827	1,566.1346	0.5896		211.2013	211.2013		211.1951	211.1951	22,106.2977	9,389.3276	31,495.6252	20.5131	1.7388	32,465.4360
Unmitigated	1,294.3447	17.2827	1,566.1346	0.5896		211.2013	211.2013		211.1951	211.1951	22,106.2977	9,389.3276	31,495.6252	20.5131	1.7388	32,465.4360

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	17.1558					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	57.0369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,218.1944	16.5276	1,500.6847	0.5862		210.8371	210.8371		210.8309	210.8309	22,106.2977	9,271.0588	31,377.3565	20.4004	1.7388	32,344.8022
Landscaping	1.9575	0.7551	65.4500	3.4700e-003		0.3642	0.3642		0.3642	0.3642		118.2688	118.2688	0.1126		120.6338
Total	**1,294.3447**	**17.2827**	**1,566.1346**	**0.5896**		**211.2013**	**211.2013**		**211.1951**	**211.1951**	**22,106.2977**	**9,389.3276**	**31,495.6252**	**20.5131**	**1.7388**	**32,465.4360**

6.2 Area by SubCategory

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	17.1558					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	57.0369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,218.1944	16.5276	1,500.6847	0.5862		210.8371	210.8371		210.8309	210.8309	22,106.2977	9,271.0588	31,377.3565	20.4004	1.7388	32,344.8022
Landscaping	1.9575	0.7551	65.4500	3.4700e-003		0.3642	0.3642		0.3642	0.3642		118.2688	118.2688	0.1126		120.6338
Total	**1,294.3447**	**17.2827**	**1,566.1346**	**0.5896**		**211.2013**	**211.2013**		**211.1951**	**211.1951**	**22,106.2977**	**9,389.3276**	**31,495.6252**	**20.5131**	**1.7388**	**32,465.4360**

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
Signal Boards	1	24.00	180	6	0.82	Diesel
Tractors/Loaders/Backhoes	3	4.00	180	97	0.37	Diesel

UnMitigated/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
Equipment Type	lb/day										lb/day					
Signal Boards	0.1721	1.0783	0.9031	2.0800e-003		0.0419	0.0419		0.0419	0.0419		147.9406	147.9406	0.0154		148.2632
Tractors/Loaders/Backhoes	0.2450	1.4442	3.5160	5.7000e-003		0.0190	0.0190		0.0190	0.0190		539.5924	539.5924	0.0218		540.0510
Total	**0.4170**	**2.5224**	**4.4190**	**7.7800e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**687.5331**	**687.5331**	**0.0372**		**688.3142**

10.0 Vegetation

VSVSP Operational - Consumer Products & Architectural Coatings

Mountain Counties Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	21.00	Dwelling Unit	0.65	31,071.00	60
Condo/Townhouse	31.00	Dwelling Unit	9.70	103,000.00	89
Condo/Townhouse High Rise	744.00	Dwelling Unit	17.81	1,258,958.00	2128
User Defined Retail	75.00	User Defined Unit	7.43	335,708.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	8
Climate Zone	14			**Operational Year**	2017
Utility Company	Sierra Pacific Resources				
CO2 Intensity (lb/MWhr)	1328.16	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - This model run is used only to estimate operational emissions from consumer products and architectural coatings.

Land Use - Project-specific data, condensed from Table 1 in kickoff packet. This model run is used only to estimate operational emissions from consumer products and architectural coatings.

Construction Phase - See worksheet with notes about phasing.

Off-road Equipment -

Off-road Equipment - Cranes may be used when construction the taller buildings.

Off-road Equipment - Added equipment is used for the repurposing of asphalt, including an Ashalt Planer (asphalt mill), a CAT PM-201 Cold Planer, represented by a crawler tractor.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - existing buildings and parking lots

Architectural Coating - The Interior and Exterior areas were adjusted to reflect the land use amounts in the project description.

Area Coating - For architectural coatings, Angel Green of PCAPCD recommends using an emission rate of 150 g/L ROG (pers. comm. Green, 2014). (e-mail to Austin Kerr of Ascent Environmental)

Energy Use -

Land Use Change - Vegetation loss values were provided by Ascents biological impacts analysis (prepared by CF).

Sequestration -

Operational Off-Road Equipment - This equipment is often used at ski resort communities.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	250
tblLandUse	LandUseSquareFeet	21,000.00	31,071.00
tblLandUse	LandUseSquareFeet	31,000.00	103,000.00
tblLandUse	LandUseSquareFeet	744,000.00	1,258,958.00
tblLandUse	LandUseSquareFeet	0.00	335,708.00
tblLandUse	LotAcreage	0.55	0.65
tblLandUse	LotAcreage	1.94	9.70
tblLandUse	LotAcreage	11.63	17.81
tblLandUse	LotAcreage	0.00	7.43
tblLandUseChange	CO2peracre	14.30	111.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	180.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	180.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	2.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	24.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	2.3385	7.8936	10.1420	0.0126	1.1649	0.3825	1.5474	0.4306	0.3549	0.7854	0.0000	1,082.8136	1,082.8136	0.1712	0.0000	1,086.4081
2016	4.0475	6.2897	14.4056	0.0204	1.2388	0.2950	1.5338	0.3308	0.2763	0.6071	0.0000	1,637.8712	1,637.8712	0.1437	0.0000	1,640.8881
2017	3.6286	5.7333	13.0145	0.0203	1.2342	0.2649	1.4991	0.3296	0.2481	0.5777	0.0000	1,584.1789	1,584.1789	0.1351	0.0000	1,587.0158
2018	27.2625	2.7859	5.8924	0.0101	0.5892	0.1276	0.7168	0.1573	0.1194	0.2767	0.0000	773.9473	773.9473	0.0763	0.0000	775.5492
Total	**37.2771**	**22.7025**	**43.4545**	**0.0635**	**4.2271**	**1.0700**	**5.2971**	**1.2483**	**0.9987**	**2.2469**	**0.0000**	**5,078.8110**	**5,078.8110**	**0.5262**	**0.0000**	**5,089.8613**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	2.3378	7.8857	10.1367	0.0126	1.2967	0.3820	1.6787	0.4629	0.3545	0.8174	0.0000	1,082.2193	1,082.2193	0.1710	0.0000	1,085.8104
2016	4.0470	6.2853	14.4027	0.0204	1.2388	0.2947	1.5335	0.3308	0.2760	0.6068	0.0000	1,637.4953	1,637.4953	0.1436	0.0000	1,640.5102
2017	3.6282	5.7292	13.0117	0.0203	1.2342	0.2646	1.4988	0.3296	0.2479	0.5775	0.0000	1,583.8085	1,583.8085	0.1350	0.0000	1,586.6436
2018	27.2622	2.7837	5.8907	0.0101	0.5892	0.1275	0.7167	0.1573	0.1193	0.2766	0.0000	773.7132	773.7132	0.0762	0.0000	775.3138
Total	**37.2751**	**22.6839**	**43.4418**	**0.0635**	**4.3589**	**1.0688**	**5.4277**	**1.2806**	**0.9976**	**2.2782**	**0.0000**	**5,077.2363**	**5,077.2363**	**0.5258**	**0.0000**	**5,088.2780**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.01**	**0.08**	**0.03**	**0.05**	**-3.12**	**0.11**	**-2.47**	**-2.59**	**0.11**	**-1.39**	**0.00**	**0.03**	**0.03**	**0.08**	**0.00**	**0.03**

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	59.4127	0.7472	67.4987	0.0243		8.6767	8.6767		8.6765	8.6765	822.2343	354.4890	1,176.7233	0.7685	0.0647	1,212.9106
Energy	0.0292	0.2498	0.1063	1.5900e-003		0.0202	0.0202		0.0202	0.0202	0.0000	2,492.5222	2,492.5222	0.0537	0.0153	2,498.3785
Mobile	19.8705	17.5735	67.7232	0.1081	7.2298	0.2136	7.4434	1.9350	0.1963	2.1313	0.0000	8,413.9676	8,413.9676	0.3979	0.0000	8,422.3225
Offroad	0.0467	0.3413	0.2781	5.3000e-004		0.0183	0.0183		0.0175	0.0175	0.0000	38.2838	38.2838	6.6100e-003	0.0000	38.4226
Waste						0.0000	0.0000		0.0000	0.0000	74.3272	0.0000	74.3272	4.3926	0.0000	166.5720
Water						0.0000	0.0000		0.0000	0.0000	16.4536	238.0040	254.4576	1.6951	0.0410	302.7588
Total	**79.3592**	**18.9118**	**135.6063**	**0.1346**	**7.2298**	**8.9289**	**16.1587**	**1.9350**	**8.9105**	**10.8455**	**913.0151**	**11,537.2665**	**12,450.2816**	**7.3143**	**0.1209**	**12,641.3650**

2.2 Overall Operational

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	59.4127	0.7472	67.4987	0.0243		8.6767	8.6767		8.6765	8.6765	822.2343	354.4890	1,176.7233	0.7685	0.0647	1,212.9106
Energy	0.0292	0.2498	0.1063	1.5900e-003		0.0202	0.0202		0.0202	0.0202	0.0000	2,492.5222	2,492.5222	0.0537	0.0153	2,498.3785
Mobile	19.8705	17.5735	67.7232	0.1081	7.2298	0.2136	7.4434	1.9350	0.1963	2.1313	0.0000	8,413.9676	8,413.9676	0.3979	0.0000	8,422.3225
Offroad	0.0467	0.3413	0.2781	5.3000e-004		0.0183	0.0183		0.0175	0.0175	0.0000	38.2838	38.2838	6.6100e-003	0.0000	38.4226
Waste						0.0000	0.0000		0.0000	0.0000	74.3272	0.0000	74.3272	4.3926	0.0000	166.5720
Water						0.0000	0.0000		0.0000	0.0000	16.4536	238.0040	254.4576	1.6948	0.0409	302.7326
Total	**79.3592**	**18.9118**	**135.6063**	**0.1346**	**7.2298**	**8.9289**	**16.1587**	**1.9350**	**8.9105**	**10.8455**	**913.0151**	**11,537.2665**	**12,450.2816**	**7.3140**	**0.1208**	**12,641.3387**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.06**	**1.80**	**0.21**	**0.39**	**0.00**	**0.21**	**0.11**	**0.00**	**0.20**	**0.16**	**0.00**	**0.33**	**0.31**	**0.09**	**0.06**	**0.30**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	-1,601.7908
Total	**-1,601.7908**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2015	3/11/2015	5	50	
2	Site Preparation	Site Preparation	3/12/2015	4/22/2015	5	30	
3	Grading	Grading	4/23/2015	8/5/2015	5	75	
4	Building Construction	Building Construction	8/6/2015	6/6/2018	5	740	
5	Paving	Paving	6/7/2018	8/22/2018	5	55	
6	Architectural Coating	Architectural Coating	8/23/2018	11/7/2018	5	55	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 0

Residential Indoor: 2,820,884; Residential Outdoor: 940,295; Non-Residential Indoor: 503,562; Non-Residential Outdoor: 167,854

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	409.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	681.00	140.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	136.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0443	0.0000	0.0443	6.7100e-003	0.0000	6.7100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1127	1.2091	0.9018	1.0000e-003		0.0613	0.0613		0.0571	0.0571	0.0000	93.6032	93.6032	0.0254	0.0000	94.1360
Total	**0.1127**	**1.2091**	**0.9018**	**1.0000e-003**	**0.0443**	**0.0613**	**0.1056**	**6.7100e-003**	**0.0571**	**0.0639**	**0.0000**	**93.6032**	**93.6032**	**0.0254**	**0.0000**	**94.1360**

3.2 Demolition - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0240	0.0676	0.0822	1.5000e-004	3.5400e-003	1.1600e-003	4.7100e-003	9.7000e-004	1.0700e-003	2.0400e-003	0.0000	14.0705	14.0705	1.2000e-004	0.0000	14.0730
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0137	4.1500e-003	0.0395	5.0000e-005	4.7700e-003	4.0000e-005	4.8100e-003	1.2600e-003	4.0000e-005	1.3100e-003	0.0000	4.2226	4.2226	2.9000e-004	0.0000	4.2287
Total	**0.0377**	**0.0718**	**0.1217**	**2.0000e-004**	**8.3100e-003**	**1.2000e-003**	**9.5200e-003**	**2.2300e-003**	**1.1100e-003**	**3.3500e-003**	**0.0000**	**18.2931**	**18.2931**	**4.1000e-004**	**0.0000**	**18.3017**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0443	0.0000	0.0443	6.7100e-003	0.0000	6.7100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1126	1.2076	0.9008	1.0000e-003		0.0612	0.0612		0.0571	0.0571	0.0000	93.4918	93.4918	0.0253	0.0000	94.0241
Total	**0.1126**	**1.2076**	**0.9008**	**1.0000e-003**	**0.0443**	**0.0612**	**0.1055**	**6.7100e-003**	**0.0571**	**0.0638**	**0.0000**	**93.4918**	**93.4918**	**0.0253**	**0.0000**	**94.0241**

3.2 Demolition - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0240	0.0676	0.0822	1.5000e-004	0.1353	1.1600e-003	0.1365	0.0333	1.0700e-003	0.0344	0.0000	14.0705	14.0705	1.2000e-004	0.0000	14.0730
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0137	4.1500e-003	0.0395	5.0000e-005	4.7700e-003	4.0000e-005	4.8100e-003	1.2600e-003	4.0000e-005	1.3100e-003	0.0000	4.2226	4.2226	2.9000e-004	0.0000	4.2287
Total	**0.0377**	**0.0718**	**0.1217**	**2.0000e-004**	**0.1401**	**1.2000e-003**	**0.1413**	**0.0346**	**1.1100e-003**	**0.0357**	**0.0000**	**18.2931**	**18.2931**	**4.1000e-004**	**0.0000**	**18.3017**

3.3 Site Preparation - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0789	0.8533	0.6395	5.9000e-004		0.0463	0.0463		0.0426	0.0426	0.0000	55.9517	55.9517	0.0167	0.0000	56.3025
Total	**0.0789**	**0.8533**	**0.6395**	**5.9000e-004**	**0.2710**	**0.0463**	**0.3173**	**0.1490**	**0.0426**	**0.1916**	**0.0000**	**55.9517**	**55.9517**	**0.0167**	**0.0000**	**56.3025**

3.3 Site Preparation - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.8500e-003	2.9900e-003	0.0285	4.0000e-005	3.4300e-003	3.0000e-005	3.4600e-003	9.1000e-004	3.0000e-005	9.4000e-004	0.0000	3.0403	3.0403	2.1000e-004	0.0000	3.0447
Total	**9.8500e-003**	**2.9900e-003**	**0.0285**	**4.0000e-005**	**3.4300e-003**	**3.0000e-005**	**3.4600e-003**	**9.1000e-004**	**3.0000e-005**	**9.4000e-004**	**0.0000**	**3.0403**	**3.0403**	**2.1000e-004**	**0.0000**	**3.0447**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0788	0.8523	0.6387	5.9000e-004		0.0463	0.0463		0.0426	0.0426	0.0000	55.8851	55.8851	0.0167	0.0000	56.2355
Total	**0.0788**	**0.8523**	**0.6387**	**5.9000e-004**	**0.2710**	**0.0463**	**0.3173**	**0.1490**	**0.0426**	**0.1915**	**0.0000**	**55.8851**	**55.8851**	**0.0167**	**0.0000**	**56.2355**

3.3 Site Preparation - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.8500e-003	2.9900e-003	0.0285	4.0000e-005	3.4300e-003	3.0000e-005	3.4600e-003	9.1000e-004	3.0000e-005	9.4000e-004	0.0000	3.0403	3.0403	2.1000e-004	0.0000	3.0447
Total	**9.8500e-003**	**2.9900e-003**	**0.0285**	**4.0000e-005**	**3.4300e-003**	**3.0000e-005**	**3.4600e-003**	**9.1000e-004**	**3.0000e-005**	**9.4000e-004**	**0.0000**	**3.0403**	**3.0403**	**2.1000e-004**	**0.0000**	**3.0447**

3.4 Grading - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3253	0.0000	0.3253	0.1349	0.0000	0.1349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2541	2.9643	1.9065	2.3200e-003		0.1426	0.1426		0.1312	0.1312	0.0000	220.6583	220.6583	0.0659	0.0000	222.0417
Total	**0.2541**	**2.9643**	**1.9065**	**2.3200e-003**	**0.3253**	**0.1426**	**0.4678**	**0.1349**	**0.1312**	**0.2661**	**0.0000**	**220.6583**	**220.6583**	**0.0659**	**0.0000**	**222.0417**

3.4 Grading - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0274	8.3000e-003	0.0791	1.1000e-004	9.5300e-003	9.0000e-005	9.6200e-003	2.5300e-003	8.0000e-005	2.6100e-003	0.0000	8.4452	8.4452	5.8000e-004	0.0000	8.4574
Total	**0.0274**	**8.3000e-003**	**0.0791**	**1.1000e-004**	**9.5300e-003**	**9.0000e-005**	**9.6200e-003**	**2.5300e-003**	**8.0000e-005**	**2.6100e-003**	**0.0000**	**8.4452**	**8.4452**	**5.8000e-004**	**0.0000**	**8.4574**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3253	0.0000	0.3253	0.1349	0.0000	0.1349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2538	2.9607	1.9042	2.3100e-003		0.1424	0.1424		0.1310	0.1310	0.0000	220.3958	220.3958	0.0658	0.0000	221.7775
Total	**0.2538**	**2.9607**	**1.9042**	**2.3100e-003**	**0.3253**	**0.1424**	**0.4677**	**0.1349**	**0.1310**	**0.2659**	**0.0000**	**220.3958**	**220.3958**	**0.0658**	**0.0000**	**221.7775**

3.4 Grading - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0274	8.3000e-003	0.0791	1.1000e-004	9.5300e-003	9.0000e-005	9.6200e-003	2.5300e-003	8.0000e-005	2.6100e-003	0.0000	8.4452	8.4452	5.8000e-004	0.0000	8.4574
Total	**0.0274**	**8.3000e-003**	**0.0791**	**1.1000e-004**	**9.5300e-003**	**9.0000e-005**	**9.6200e-003**	**2.5300e-003**	**8.0000e-005**	**2.6100e-003**	**0.0000**	**8.4452**	**8.4452**	**5.8000e-004**	**0.0000**	**8.4574**

3.5 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1939	1.5916	0.9935	1.4200e-003		0.1122	0.1122		0.1055	0.1055	0.0000	129.3170	129.3170	0.0325	0.0000	129.9984
Total	**0.1939**	**1.5916**	**0.9935**	**1.4200e-003**		**0.1122**	**0.1122**		**0.1055**	**0.1055**	**0.0000**	**129.3170**	**129.3170**	**0.0325**	**0.0000**	**129.9984**

3.5 Building Construction - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3075	0.7930	1.6670	1.6200e-003	0.0443	0.0145	0.0588	0.0126	0.0133	0.0259	0.0000	147.0900	147.0900	1.4400e-003	0.0000	147.1203
Worker	1.3165	0.3993	3.8045	5.2700e-003	0.4588	4.3200e-003	0.4631	0.1217	3.9200e-003	0.1256	0.0000	406.4150	406.4150	0.0281	0.0000	407.0055
Total	**1.6240**	**1.1923**	**5.4715**	**6.8900e-003**	**0.5031**	**0.0188**	**0.5219**	**0.1344**	**0.0172**	**0.1516**	**0.0000**	**553.5050**	**553.5050**	**0.0296**	**0.0000**	**554.1258**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1937	1.5897	0.9923	1.4200e-003		0.1121	0.1121		0.1054	0.1054	0.0000	129.1632	129.1632	0.0324	0.0000	129.8437
Total	**0.1937**	**1.5897**	**0.9923**	**1.4200e-003**		**0.1121**	**0.1121**		**0.1054**	**0.1054**	**0.0000**	**129.1632**	**129.1632**	**0.0324**	**0.0000**	**129.8437**

3.5 Building Construction - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3075	0.7930	1.6670	1.6200e-003	0.0443	0.0145	0.0588	0.0126	0.0133	0.0259	0.0000	147.0900	147.0900	1.4400e-003	0.0000	147.1203
Worker	1.3165	0.3993	3.8045	5.2700e-003	0.4588	4.3200e-003	0.4631	0.1217	3.9200e-003	0.1256	0.0000	406.4150	406.4150	0.0281	0.0000	407.0055
Total	**1.6240**	**1.1923**	**5.4715**	**6.8900e-003**	**0.5031**	**0.0188**	**0.5219**	**0.1344**	**0.0172**	**0.1516**	**0.0000**	**553.5050**	**553.5050**	**0.0296**	**0.0000**	**554.1258**

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4445	3.7201	2.4151	3.5000e-003		0.2567	0.2567		0.2412	0.2412	0.0000	316.0104	316.0104	0.0784	0.0000	317.6563
Total	**0.4445**	**3.7201**	**2.4151**	**3.5000e-003**		**0.2567**	**0.2567**		**0.2412**	**0.2412**	**0.0000**	**316.0104**	**316.0104**	**0.0784**	**0.0000**	**317.6563**

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6640	1.7019	3.7855	3.9700e-003	0.1091	0.0284	0.1375	0.0311	0.0261	0.0572	0.0000	358.1258	358.1258	3.1000e-003	0.0000	358.1908
Worker	2.9390	0.8677	8.2050	0.0130	1.1297	9.8700e-003	1.1396	0.2997	8.9900e-003	0.3087	0.0000	963.7350	963.7350	0.0622	0.0000	965.0409
Total	**3.6030**	**2.5696**	**11.9905**	**0.0169**	**1.2388**	**0.0382**	**1.2771**	**0.3308**	**0.0350**	**0.3659**	**0.0000**	**1,321.8608**	**1,321.8608**	**0.0653**	**0.0000**	**1,323.2317**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4440	3.7157	2.4122	3.5000e-003		0.2564	0.2564		0.2409	0.2409	0.0000	315.6345	315.6345	0.0783	0.0000	317.2785
Total	**0.4440**	**3.7157**	**2.4122**	**3.5000e-003**		**0.2564**	**0.2564**		**0.2409**	**0.2409**	**0.0000**	**315.6345**	**315.6345**	**0.0783**	**0.0000**	**317.2785**

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6640	1.7019	3.7855	3.9700e-003	0.1091	0.0284	0.1375	0.0311	0.0261	0.0572	0.0000	358.1258	358.1258	3.1000e-003	0.0000	358.1908
Worker	2.9390	0.8677	8.2050	0.0130	1.1297	9.8700e-003	1.1396	0.2997	8.9900e-003	0.3087	0.0000	963.7350	963.7350	0.0622	0.0000	965.0409
Total	**3.6030**	**2.5696**	**11.9905**	**0.0169**	**1.2388**	**0.0382**	**1.2771**	**0.3308**	**0.0350**	**0.3659**	**0.0000**	**1,321.8608**	**1,321.8608**	**0.0653**	**0.0000**	**1,323.2317**

3.5 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4033	3.4327	2.3568	3.4900e-003		0.2316	0.2316		0.2175	0.2175	0.0000	311.3228	311.3228	0.0766	0.0000	312.9319
Total	**0.4033**	**3.4327**	**2.3568**	**3.4900e-003**		**0.2316**	**0.2316**		**0.2175**	**0.2175**	**0.0000**	**311.3228**	**311.3228**	**0.0766**	**0.0000**	**312.9319**

3.5 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5913	1.5405	3.5685	3.9500e-003	0.1087	0.0242	0.1329	0.0310	0.0222	0.0532	0.0000	351.1092	351.1092	2.8700e-003	0.0000	351.1695
Worker	2.6341	0.7601	7.0893	0.0129	1.1254	9.2000e-003	1.1346	0.2986	8.4400e-003	0.3070	0.0000	921.7469	921.7469	0.0556	0.0000	922.9144
Total	**3.2253**	**2.3006**	**10.6577**	**0.0169**	**1.2342**	**0.0334**	**1.2675**	**0.3296**	**0.0306**	**0.3602**	**0.0000**	**1,272.8561**	**1,272.8561**	**0.0585**	**0.0000**	**1,274.0839**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4028	3.4287	2.3540	3.4800e-003		0.2313	0.2313		0.2172	0.2172	0.0000	310.9525	310.9525	0.0765	0.0000	312.5596
Total	**0.4028**	**3.4287**	**2.3540**	**3.4800e-003**		**0.2313**	**0.2313**		**0.2172**	**0.2172**	**0.0000**	**310.9525**	**310.9525**	**0.0765**	**0.0000**	**312.5596**

3.5 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5913	1.5405	3.5685	3.9500e-003	0.1087	0.0242	0.1329	0.0310	0.0222	0.0532	0.0000	351.1092	351.1092	2.8700e-003	0.0000	351.1695
Worker	2.6341	0.7601	7.0893	0.0129	1.1254	9.2000e-003	1.1346	0.2986	8.4400e-003	0.3070	0.0000	921.7469	921.7469	0.0556	0.0000	922.9144
Total	**3.2253**	**2.3006**	**10.6577**	**0.0169**	**1.2342**	**0.0334**	**1.2675**	**0.3296**	**0.0306**	**0.3602**	**0.0000**	**1,272.8561**	**1,272.8561**	**0.0585**	**0.0000**	**1,274.0839**

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1508	1.3142	0.9906	1.5100e-003		0.0844	0.0844		0.0794	0.0794	0.0000	133.7749	133.7749	0.0327	0.0000	134.4624
Total	**0.1508**	**1.3142**	**0.9906**	**1.5100e-003**		**0.0844**	**0.0844**		**0.0794**	**0.0794**	**0.0000**	**133.7749**	**133.7749**	**0.0327**	**0.0000**	**134.4624**

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2309	0.6201	1.4655	1.7200e-003	0.0473	9.0300e-003	0.0563	0.0135	8.3000e-003	0.0218	0.0000	150.1383	150.1383	1.1700e-003	0.0000	150.1628
Worker	1.0352	0.2929	2.6958	5.6000e-003	0.4891	3.8000e-003	0.4929	0.1298	3.5100e-003	0.1333	0.0000	385.4046	385.4046	0.0219	0.0000	385.8647
Total	**1.2661**	**0.9129**	**4.1613**	**7.3200e-003**	**0.5364**	**0.0128**	**0.5492**	**0.1433**	**0.0118**	**0.1551**	**0.0000**	**535.5429**	**535.5429**	**0.0231**	**0.0000**	**536.0275**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1506	1.3127	0.9894	1.5100e-003		0.0843	0.0843		0.0793	0.0793	0.0000	133.6157	133.6157	0.0327	0.0000	134.3024
Total	**0.1506**	**1.3127**	**0.9894**	**1.5100e-003**		**0.0843**	**0.0843**		**0.0793**	**0.0793**	**0.0000**	**133.6157**	**133.6157**	**0.0327**	**0.0000**	**134.3024**

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2309	0.6201	1.4655	1.7200e-003	0.0473	9.0300e-003	0.0563	0.0135	8.3000e-003	0.0218	0.0000	150.1383	150.1383	1.1700e-003	0.0000	150.1628
Worker	1.0352	0.2929	2.6958	5.6000e-003	0.4891	3.8000e-003	0.4929	0.1298	3.5100e-003	0.1333	0.0000	385.4046	385.4046	0.0219	0.0000	385.8647
Total	**1.2661**	**0.9129**	**4.1613**	**7.3200e-003**	**0.5364**	**0.0128**	**0.5492**	**0.1433**	**0.0118**	**0.1551**	**0.0000**	**535.5429**	**535.5429**	**0.0231**	**0.0000**	**536.0275**

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0443	0.4720	0.3986	6.1000e-004		0.0258	0.0258		0.0238	0.0238	0.0000	56.0140	56.0140	0.0174	0.0000	56.3802
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0443**	**0.4720**	**0.3986**	**6.1000e-004**		**0.0258**	**0.0258**		**0.0238**	**0.0238**	**0.0000**	**56.0140**	**56.0140**	**0.0174**	**0.0000**	**56.3802**

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0111	3.1400e-003	0.0289	6.0000e-005	5.2400e-003	4.0000e-005	5.2800e-003	1.3900e-003	4.0000e-005	1.4300e-003	0.0000	4.1319	4.1319	2.3000e-004	0.0000	4.1368
Total	**0.0111**	**3.1400e-003**	**0.0289**	**6.0000e-005**	**5.2400e-003**	**4.0000e-005**	**5.2800e-003**	**1.3900e-003**	**4.0000e-005**	**1.4300e-003**	**0.0000**	**4.1319**	**4.1319**	**2.3000e-004**	**0.0000**	**4.1368**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0443	0.4714	0.3981	6.1000e-004		0.0258	0.0258		0.0237	0.0237	0.0000	55.9474	55.9474	0.0174	0.0000	56.3132
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0443**	**0.4714**	**0.3981**	**6.1000e-004**		**0.0258**	**0.0258**		**0.0237**	**0.0237**	**0.0000**	**55.9474**	**55.9474**	**0.0174**	**0.0000**	**56.3132**

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0111	3.1400e-003	0.0289	6.0000e-005	5.2400e-003	4.0000e-005	5.2800e-003	1.3900e-003	4.0000e-005	1.4300e-003	0.0000	4.1319	4.1319	2.3000e-004	0.0000	4.1368
Total	**0.0111**	**3.1400e-003**	**0.0289**	**6.0000e-005**	**5.2400e-003**	**4.0000e-005**	**5.2800e-003**	**1.3900e-003**	**4.0000e-005**	**1.4300e-003**	**0.0000**	**4.1319**	**4.1319**	**2.3000e-004**	**0.0000**	**4.1368**

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	25.6814					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2100e-003	0.0552	0.0510	8.0000e-005		4.1400e-003	4.1400e-003		4.1400e-003	4.1400e-003	0.0000	7.0215	7.0215	6.7000e-004	0.0000	7.0355
Total	**25.6896**	**0.0552**	**0.0510**	**8.0000e-005**		**4.1400e-003**	**4.1400e-003**		**4.1400e-003**	**4.1400e-003**	**0.0000**	**7.0215**	**7.0215**	**6.7000e-004**	**0.0000**	**7.0355**

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1006	0.0285	0.2620	5.4000e-004	0.0475	3.7000e-004	0.0479	0.0126	3.4000e-004	0.0130	0.0000	37.4622	37.4622	2.1300e-003	0.0000	37.5069
Total	**0.1006**	**0.0285**	**0.2620**	**5.4000e-004**	**0.0475**	**3.7000e-004**	**0.0479**	**0.0126**	**3.4000e-004**	**0.0130**	**0.0000**	**37.4622**	**37.4622**	**2.1300e-003**	**0.0000**	**37.5069**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	25.6814					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2000e-003	0.0551	0.0509	8.0000e-005		4.1400e-003	4.1400e-003		4.1400e-003	4.1400e-003	0.0000	7.0131	7.0131	6.7000e-004	0.0000	7.0271
Total	**25.6896**	**0.0551**	**0.0509**	**8.0000e-005**		**4.1400e-003**	**4.1400e-003**		**4.1400e-003**	**4.1400e-003**	**0.0000**	**7.0131**	**7.0131**	**6.7000e-004**	**0.0000**	**7.0271**

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1006	0.0285	0.2620	5.4000e-004	0.0475	3.7000e-004	0.0479	0.0126	3.4000e-004	0.0130	0.0000	37.4622	37.4622	2.1300e-003	0.0000	37.5069
Total	**0.1006**	**0.0285**	**0.2620**	**5.4000e-004**	**0.0475**	**3.7000e-004**	**0.0479**	**0.0126**	**3.4000e-004**	**0.0130**	**0.0000**	**37.4622**	**37.4622**	**2.1300e-003**	**0.0000**	**37.5069**

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	19.8705	17.5735	67.7232	0.1081	7.2298	0.2136	7.4434	1.9350	0.1963	2.1313	0.0000	8,413.9676	8,413.9676	0.3979	0.0000	8,422.3225
Unmitigated	19.8705	17.5735	67.7232	0.1081	7.2298	0.2136	7.4434	1.9350	0.1963	2.1313	0.0000	8,413.9676	8,413.9676	0.3979	0.0000	8,422.3225

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	138.39	150.36	127.47	494,881	494,881
Condo/Townhouse	204.29	221.96	188.17	730,539	730,539
Condo/Townhouse High Rise	4,902.96	5,327.04	4516.08	17,532,940	17,532,940
User Defined Retail	0.00	0.00	0.00		
Total	5,245.64	5,699.36	4,831.72	18,758,360	18,758,360

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 Mid Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
Condo/Townhouse High Rise	16.80	7.10	7.90	37.30	20.70	42.00	86	11	3
User Defined Retail	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.381852	0.086091	0.200079	0.163903	0.085749	0.010610	0.015453	0.038109	0.001550	0.000665	0.009389	0.000881	0.005669

4.4 Fleet Mix

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,203.2337	2,203.2337	0.0481	9.9500e-003	2,207.3295
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,203.2337	2,203.2337	0.0481	9.9500e-003	2,207.3295
NaturalGas Mitigated	0.0292	0.2498	0.1063	1.5900e-003		0.0202	0.0202		0.0202	0.0202	0.0000	289.2885	289.2885	5.5400e-003	5.3000e-003	291.0490
NaturalGas Unmitigated	0.0292	0.2498	0.1063	1.5900e-003		0.0202	0.0202		0.0202	0.0202	0.0000	289.2885	289.2885	5.5400e-003	5.3000e-003	291.0490

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	91455.8	4.9000e-004	4.2100e-003	1.7900e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8804	4.8804	9.0000e-005	9.0000e-005	4.9101
Condo/Townhouse	213184	1.1500e-003	9.8200e-003	4.1800e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	11.3763	11.3763	2.2000e-004	2.1000e-004	11.4456
Condo/Townhouse High Rise	5.11642e+006	0.0276	0.2358	0.1003	1.5000e-003		0.0191	0.0191		0.0191	0.0191	0.0000	273.0317	273.0317	5.2300e-003	5.0100e-003	274.6933
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0292**	**0.2498**	**0.1063**	**1.5900e-003**		**0.0202**	**0.0202**		**0.0202**	**0.0202**	**0.0000**	**289.2885**	**289.2885**	**5.5400e-003**	**5.3100e-003**	**291.0490**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	91455.8	4.9000e-004	4.2100e-003	1.7900e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8804	4.8804	9.0000e-005	9.0000e-005	4.9101
Condo/Townhouse	213184	1.1500e-003	9.8200e-003	4.1800e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	11.3763	11.3763	2.2000e-004	2.1000e-004	11.4456
Condo/Townhouse High Rise	5.11642e+006	0.0276	0.2358	0.1003	1.5000e-003		0.0191	0.0191		0.0191	0.0191	0.0000	273.0317	273.0317	5.2300e-003	5.0100e-003	274.6933
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0292**	**0.2498**	**0.1063**	**1.5900e-003**		**0.0202**	**0.0202**		**0.0202**	**0.0202**	**0.0000**	**289.2885**	**289.2885**	**5.5400e-003**	**5.3100e-003**	**291.0490**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	73951.5	44.5516	9.7000e-004	2.0000e-004	44.6344
Condo/Townhouse	143329	86.3473	1.8900e-003	3.9000e-004	86.5078
Condo/Townhouse High Rise	3.43988e+006	2,072.3349	0.0453	9.3600e-003	2,076.1873
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		**2,203.2337**	**0.0481**	**9.9500e-003**	**2,207.3295**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	73951.5	44.5516	9.7000e-004	2.0000e-004	44.6344
Condo/Townhouse	143329	86.3473	1.8900e-003	3.9000e-004	86.5078
Condo/Townhouse High Rise	3.43988e+006	2,072.3349	0.0453	9.3600e-003	2,076.1873
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		**2,203.2337**	**0.0481**	**9.9500e-003**	**2,207.3295**

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	59.4127	0.7472	67.4987	0.0243		8.6767	8.6767		8.6765	8.6765	822.2343	354.4890	1,176.7233	0.7685	0.0647	1,212.9106
Unmitigated	59.4127	0.7472	67.4987	0.0243		8.6767	8.6767		8.6765	8.6765	822.2343	354.4890	1,176.7233	0.7685	0.0647	1,212.9106

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	2.5292					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.7516					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	49.9460	0.6776	61.5281	0.0240		8.6443	8.6443		8.6441	8.6441	822.2343	344.8331	1,167.0674	0.7588	0.0647	1,203.0512
Landscaping	0.1860	0.0696	5.9706	3.1000e-004		0.0324	0.0324		0.0324	0.0324	0.0000	9.6559	9.6559	9.6900e-003	0.0000	9.8594
Total	**59.4127**	**0.7472**	**67.4987**	**0.0243**		**8.6767**	**8.6767**		**8.6765**	**8.6765**	**822.2343**	**354.4890**	**1,176.7233**	**0.7685**	**0.0647**	**1,212.9106**

6.2 Area by SubCategory

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	2.5292					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.7516					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	49.9460	0.6776	61.5281	0.0240		8.6443	8.6443		8.6441	8.6441	822.2343	344.8331	1,167.0674	0.7588	0.0647	1,203.0512
Landscaping	0.1860	0.0696	5.9706	3.1000e-004		0.0324	0.0324		0.0324	0.0324	0.0000	9.6559	9.6559	9.6900e-003	0.0000	9.8594
Total	**59.4127**	**0.7472**	**67.4987**	**0.0243**		**8.6767**	**8.6767**		**8.6765**	**8.6765**	**822.2343**	**354.4890**	**1,176.7233**	**0.7685**	**0.0647**	**1,212.9106**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	254.4576	1.6948	0.0409	302.7326
Unmitigated	254.4576	1.6951	0.0410	302.7588

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1.36823 / 0.862583	6.7131	0.0447	1.0800e-003	7.9874
Condo/Townhouse	2.01977 / 1.27334	9.9098	0.0660	1.6000e-003	11.7909
Condo/Townhouse High Rise	48.4746 / 30.5601	237.8347	1.5844	0.0383	282.9806
User Defined Retail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**254.4576**	**1.6951**	**0.0410**	**302.7588**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1.36823 / 0.862583	6.7131	0.0447	1.0800e-003	7.9867
Condo/Townhouse	2.01977 / 1.27334	9.9098	0.0660	1.5900e-003	11.7898
Condo/Townhouse High Rise	48.4746 / 30.5601	237.8347	1.5841	0.0382	282.9561
User Defined Retail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**254.4576**	**1.6948**	**0.0409**	**302.7326**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	74.3272	4.3926	0.0000	166.5720
Unmitigated	74.3272	4.3926	0.0000	166.5720

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	9.66	1.9609	0.1159	0.0000	4.3945
Condo/Townhouse	14.26	2.8947	0.1711	0.0000	6.4871
Condo/Townhouse High Rise	342.24	69.4716	4.1057	0.0000	155.6904
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		**74.3272**	**4.3926**	**0.0000**	**166.5720**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	9.66	1.9609	0.1159	0.0000	4.3945
Condo/Townhouse	14.26	2.8947	0.1711	0.0000	6.4871
Condo/Townhouse High Rise	342.24	69.4716	4.1057	0.0000	155.6904
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		**74.3272**	**4.3926**	**0.0000**	**166.5720**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Pressure Washers	1	2.00	180	13	0.30	Diesel
Signal Boards	1	24.00	365	6	0.82	Diesel
Tractors/Loaders/Backhoes	1	4.00	180	97	0.37	Diesel

UnMitigated/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
Equipment Type	tons/yr										MT/yr					
Pressure Washers	1.0800e-003	7.5000e-003	5.5700e-003	1.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	0.7979	0.7979	9.0000e-005	0.0000	0.7998
Signal Boards	0.0314	0.1968	0.1648	3.8000e-004		7.6500e-003	7.6500e-003		7.6500e-003	7.6500e-003	0.0000	24.4932	24.4932	2.5400e-003	0.0000	24.5466
Tractors/Loaders/ Backhoes	0.0143	0.1370	0.1077	1.4000e-004		0.0103	0.0103		9.4800e-003	9.4800e-003	0.0000	12.9926	12.9926	3.9800e-003	0.0000	13.0762
Total	**0.0467**	**0.3413**	**0.2781**	**5.3000e-004**		**0.0183**	**0.0183**		**0.0175**	**0.0175**	**0.0000**	**38.2838**	**38.2838**	**6.6100e-003**	**0.0000**	**38.4226**

10.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-1,601.7908	0.0000	0.0000	-1,601.7908

10.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Grassland	5.68 / 0	-24.4808	0.0000	0.0000	-24.4808
Scrub	2.51 / 0	-278.6100	0.0000	0.0000	-278.6100
Trees	11.7 / 0	-1,298.7000	0.0000	0.0000	-1,298.7000
Wetlands	0.59 / 0	0.0000	0.0000	0.0000	0.0000
Total		**-1,601.7908**	**0.0000**	**0.0000**	**-1,601.7908**