

Appendix B
Air Quality Data/Worksheets

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

**RPV Zone 2 Landslide Moratorium
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	31.00	Dwelling Unit	31.00	124,000.00	89

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	8			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Per updated details RE built and not-yet built homes in Zone 2.
- Construction Phase - Based on schedule used in 2012 EIR
- Grading - Based on development assumptions for Zone 2
- Architectural Coating - Per SCAQMD Rule 1113.
- Area Coating - Per SCAQMD Rule 1113.
- Construction Off-road Equipment Mitigation - Watering twice per day per SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	61
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	61
tblConstructionPhase	NumDays	35.00	55.00
tblConstructionPhase	NumDays	500.00	740.00
tblConstructionPhase	NumDays	30.00	50.00
tblConstructionPhase	NumDays	45.00	75.00
tblConstructionPhase	NumDays	35.00	55.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	PhaseEndDate	7/20/2021	11/8/2022
tblConstructionPhase	PhaseEndDate	4/13/2021	6/7/2022
tblConstructionPhase	PhaseEndDate	2/12/2019	3/12/2019
tblConstructionPhase	PhaseEndDate	5/14/2019	8/6/2019
tblConstructionPhase	PhaseEndDate	6/1/2021	8/23/2022
tblConstructionPhase	PhaseEndDate	3/12/2019	4/23/2019
tblConstructionPhase	PhaseStartDate	6/2/2021	8/24/2022
tblConstructionPhase	PhaseStartDate	5/15/2019	8/7/2019
tblConstructionPhase	PhaseStartDate	3/13/2019	4/24/2019
tblConstructionPhase	PhaseStartDate	4/14/2021	6/8/2022
tblConstructionPhase	PhaseStartDate	2/13/2019	3/13/2019
tblGrading	AcresOfGrading	187.50	112.50
tblGrading	MaterialExported	0.00	31,000.00
tblGrading	MaterialImported	0.00	1,550.00
tblLandUse	LandUseSquareFeet	55,800.00	124,000.00
tblLandUse	LotAcreage	10.06	31.00

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

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					
2019	5.2420	67.7352	37.1430	0.0987	18.2675	2.4328	20.6596	9.9840	2.2400	12.1848	0.0000	10,091.94 18	10,091.94 18	2.2064	0.0000	10,147.10 25
2020	2.1811	19.5412	17.4137	0.0290	0.1422	1.1196	1.2617	0.0381	1.0527	1.0909	0.0000	2,765.542 9	2,765.542 9	0.6320	0.0000	2,781.343 1
2021	1.9572	17.7558	17.0944	0.0290	0.1422	0.9602	1.1024	0.0381	0.9028	0.9409	0.0000	2,761.092 8	2,761.092 8	0.6246	0.0000	2,776.706 9
2022	14.3198	15.9219	16.8442	0.0289	0.1677	0.8105	0.9527	0.0445	0.7625	0.8007	0.0000	2,756.937 7	2,756.937 7	0.7186	0.0000	2,772.437 0
Maximum	14.3198	67.7352	37.1430	0.0987	18.2675	2.4328	20.6596	9.9840	2.2400	12.1848	0.0000	10,091.94 18	10,091.94 18	2.2064	0.0000	10,147.10 25

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

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	10.8680	0.6727	18.3232	0.0404		2.3822	2.3822		2.3822	2.3822	290.3745	562.6051	852.9796	0.8704	0.0197	880.6123
Energy	0.0236	0.2020	0.0860	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.8412	257.8412	4.9400e-003	4.7300e-003	259.3734
Mobile	0.5066	2.0985	6.9998	0.0265	2.2323	0.0194	2.2517	0.5974	0.0180	0.6154		2,702.3668	2,702.3668	0.1285		2,705.5784
Total	11.3982	2.9732	25.4090	0.0682	2.2323	2.4179	4.6502	0.5974	2.4165	3.0139	290.3745	3,522.8131	3,813.1876	1.0038	0.0244	3,845.5641

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.8680	0.6727	18.3232	0.0404		2.3822	2.3822		2.3822	2.3822	290.3745	562.6051	852.9796	0.8704	0.0197	880.6123
Energy	0.0236	0.2020	0.0860	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.8412	257.8412	4.9400e-003	4.7300e-003	259.3734
Mobile	0.5066	2.0985	6.9998	0.0265	2.2323	0.0194	2.2517	0.5974	0.0180	0.6154		2,702.3668	2,702.3668	0.1285		2,705.5784
Total	11.3982	2.9732	25.4090	0.0682	2.2323	2.4179	4.6502	0.5974	2.4165	3.0139	290.3745	3,522.8131	3,813.1876	1.0038	0.0244	3,845.5641

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/2/2019	3/12/2019	5	50	
2	Site Preparation	Site Preparation	3/13/2019	4/23/2019	5	30	
3	Grading	Grading	4/24/2019	8/6/2019	5	75	
4	Building Construction	Building Construction	8/7/2019	6/7/2022	5	740	
5	Paving	Paving	6/8/2022	8/23/2022	5	55	
6	Architectural Coating	Architectural Coating	8/24/2022	11/8/2022	5	55	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 251,100; Residential Outdoor: 83,700; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

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

Trips and VMT

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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	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,218.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	11.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

3.2 Demolition - 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	0.0000	0.0000	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	0.0749	0.0551	0.7233	1.8300e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		181.9429	181.9429	6.2500e-003		182.0992
Total	0.0749	0.0551	0.7233	1.8300e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		181.9429	181.9429	6.2500e-003		182.0992

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	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

3.2 Demolition - 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	0.0000	0.0000	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	0.0749	0.0551	0.7233	1.8300e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		181.9429	181.9429	6.2500e-003		182.0992
Total	0.0749	0.0551	0.7233	1.8300e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		181.9429	181.9429	6.2500e-003		182.0992

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298		3,766.4529	3,766.4529	1.1917		3,796.2445

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0899	0.0661	0.8679	2.1900e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		218.3315	218.3315	7.5000e-003		218.5190
Total	0.0899	0.0661	0.8679	2.1900e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		218.3315	218.3315	7.5000e-003		218.5190

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	7.0458	2.3904	9.4362	3.8730	2.1991	6.0721	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0899	0.0661	0.8679	2.1900e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		218.3315	218.3315	7.5000e-003		218.5190
Total	0.0899	0.0661	0.8679	2.1900e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		218.3315	218.3315	7.5000e-003		218.5190

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6128	0.0000	7.6128	3.4820	0.0000	3.4820			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	7.6128	2.3827	9.9955	3.4820	2.1920	5.6740		6,140.0195	6,140.0195	1.9426		6,188.5854

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

3.4 Grading - 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	0.4032	13.1416	2.8019	0.0343	0.7502	0.0482	0.7984	0.2056	0.0461	0.2518		3,709.3318	3,709.3318	0.2555		3,715.7182
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	0.0999	0.0734	0.9643	2.4400e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		242.5906	242.5906	8.3300e-003		242.7989
Total	0.5031	13.2150	3.7662	0.0367	0.9737	0.0502	1.0239	0.2649	0.0479	0.3128		3,951.9223	3,951.9223	0.2638		3,958.5171

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9690	0.0000	2.9690	1.3580	0.0000	1.3580			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	2.9690	2.3827	5.3517	1.3580	2.1920	3.5500	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

3.4 Grading - 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	0.4032	13.1416	2.8019	0.0343	0.7502	0.0482	0.7984	0.2056	0.0461	0.2518		3,709.3318	3,709.3318	0.2555		3,715.7182
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	0.0999	0.0734	0.9643	2.4400e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		242.5906	242.5906	8.3300e-003		242.7989
Total	0.5031	13.2150	3.7662	0.0367	0.9737	0.0502	1.0239	0.2649	0.0479	0.3128		3,951.9223	3,951.9223	0.2638		3,958.5171

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

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	0.0125	0.3472	0.0921	7.8000e-004	0.0192	2.2100e-003	0.0214	5.5300e-003	2.1200e-003	7.6500e-003		83.6444	83.6444	5.3600e-003		83.7784
Worker	0.0550	0.0404	0.5304	1.3400e-003	0.1230	1.0600e-003	0.1240	0.0326	9.8000e-004	0.0336		133.4248	133.4248	4.5800e-003		133.5394
Total	0.0674	0.3876	0.6225	2.1200e-003	0.1422	3.2700e-003	0.1454	0.0381	3.1000e-003	0.0412		217.0692	217.0692	9.9400e-003		217.3178

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

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	0.0125	0.3472	0.0921	7.8000e-004	0.0192	2.2100e-003	0.0214	5.5300e-003	2.1200e-003	7.6500e-003		83.6444	83.6444	5.3600e-003		83.7784
Worker	0.0550	0.0404	0.5304	1.3400e-003	0.1230	1.0600e-003	0.1240	0.0326	9.8000e-004	0.0336		133.4248	133.4248	4.5800e-003		133.5394
Total	0.0674	0.3876	0.6225	2.1200e-003	0.1422	3.2700e-003	0.1454	0.0381	3.1000e-003	0.0412		217.0692	217.0692	9.9400e-003		217.3178

3.5 Building Construction - 2020

Unmitigated Construction On-Site

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

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

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	0.0107	0.3191	0.0836	7.8000e-004	0.0192	1.5000e-003	0.0207	5.5300e-003	1.4400e-003	6.9700e-003		83.1074	83.1074	5.0700e-003		83.2342
Worker	0.0506	0.0360	0.4816	1.3000e-003	0.1230	1.0300e-003	0.1240	0.0326	9.5000e-004	0.0336		129.3724	129.3724	4.0800e-003		129.4744
Total	0.0613	0.3551	0.5652	2.0800e-003	0.1422	2.5300e-003	0.1447	0.0381	2.3900e-003	0.0405		212.4798	212.4798	9.1500e-003		212.7086

Mitigated Construction On-Site

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

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

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	0.0107	0.3191	0.0836	7.8000e-004	0.0192	1.5000e-003	0.0207	5.5300e-003	1.4400e-003	6.9700e-003		83.1074	83.1074	5.0700e-003		83.2342
Worker	0.0506	0.0360	0.4816	1.3000e-003	0.1230	1.0300e-003	0.1240	0.0326	9.5000e-004	0.0336		129.3724	129.3724	4.0800e-003		129.4744
Total	0.0613	0.3551	0.5652	2.0800e-003	0.1422	2.5300e-003	0.1447	0.0381	2.3900e-003	0.0405		212.4798	212.4798	9.1500e-003		212.7086

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2021

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	9.1200e-003	0.2913	0.0762	7.7000e-004	0.0192	6.0000e-004	0.0198	5.5300e-003	5.7000e-004	6.1000e-003		82.4642	82.4642	4.8600e-003		82.5856
Worker	0.0472	0.0324	0.4431	1.2600e-003	0.1230	9.9000e-004	0.1240	0.0326	9.2000e-004	0.0335		125.2647	125.2647	3.6900e-003		125.3570
Total	0.0563	0.3237	0.5192	2.0300e-003	0.1422	1.5900e-003	0.1438	0.0381	1.4900e-003	0.0396		207.7289	207.7289	8.5500e-003		207.9426

Mitigated Construction On-Site

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

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2021

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	9.1200e-003	0.2913	0.0762	7.7000e-004	0.0192	6.0000e-004	0.0198	5.5300e-003	5.7000e-004	6.1000e-003		82.4642	82.4642	4.8600e-003		82.5856
Worker	0.0472	0.0324	0.4431	1.2600e-003	0.1230	9.9000e-004	0.1240	0.0326	9.2000e-004	0.0335		125.2647	125.2647	3.6900e-003		125.3570
Total	0.0563	0.3237	0.5192	2.0300e-003	0.1422	1.5900e-003	0.1438	0.0381	1.4900e-003	0.0396		207.7289	207.7289	8.5500e-003		207.9426

3.5 Building Construction - 2022

Unmitigated Construction On-Site

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

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2022

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	8.5600e-003	0.2770	0.0720	7.6000e-004	0.0192	5.2000e-004	0.0197	5.5300e-003	5.0000e-004	6.0300e-003		81.7458	81.7458	4.6900e-003		81.8630
Worker	0.0442	0.0293	0.4088	1.2100e-003	0.1230	9.6000e-004	0.1239	0.0326	8.9000e-004	0.0335		120.8584	120.8584	3.3400e-003		120.9418
Total	0.0527	0.3063	0.4808	1.9700e-003	0.1422	1.4800e-003	0.1437	0.0381	1.3900e-003	0.0395		202.6041	202.6041	8.0300e-003		202.8048

Mitigated Construction On-Site

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

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2022

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	8.5600e-003	0.2770	0.0720	7.6000e-004	0.0192	5.2000e-004	0.0197	5.5300e-003	5.0000e-004	6.0300e-003		81.7458	81.7458	4.6900e-003		81.8630
Worker	0.0442	0.0293	0.4088	1.2100e-003	0.1230	9.6000e-004	0.1239	0.0326	8.9000e-004	0.0335		120.8584	120.8584	3.3400e-003		120.9418
Total	0.0527	0.3063	0.4808	1.9700e-003	0.1422	1.4800e-003	0.1437	0.0381	1.3900e-003	0.0395		202.6041	202.6041	8.0300e-003		202.8048

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

3.6 Paving - 2022

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	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206

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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

3.6 Paving - 2022

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	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14.1073					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	14.3118	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2022

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	8.0300e-003	5.3200e-003	0.0743	2.2000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		21.9743	21.9743	6.1000e-004		21.9894
Total	8.0300e-003	5.3200e-003	0.0743	2.2000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		21.9743	21.9743	6.1000e-004		21.9894

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	14.1073					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	14.3118	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2022

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	8.0300e-003	5.3200e-003	0.0743	2.2000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		21.9743	21.9743	6.1000e-004		21.9894
Total	8.0300e-003	5.3200e-003	0.0743	2.2000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		21.9743	21.9743	6.1000e-004		21.9894

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5066	2.0985	6.9998	0.0265	2.2323	0.0194	2.2517	0.5974	0.0180	0.6154		2,702.3668	2,702.3668	0.1285		2,705.5784
Unmitigated	0.5066	2.0985	6.9998	0.0265	2.2323	0.0194	2.2517	0.5974	0.0180	0.6154		2,702.3668	2,702.3668	0.1285		2,705.5784

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	295.12	307.21	267.22	1,000,752	1,000,752
Total	295.12	307.21	267.22	1,000,752	1,000,752

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

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	0.0236	0.2020	0.0860	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.8412	257.8412	4.9400e-003	4.7300e-003	259.3734
NaturalGas Unmitigated	0.0236	0.2020	0.0860	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.8412	257.8412	4.9400e-003	4.7300e-003	259.3734

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					
Single Family Housing	2191.65	0.0236	0.2020	0.0860	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.8412	257.8412	4.9400e-003	4.7300e-003	259.3734
Total		0.0236	0.2020	0.0860	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.8412	257.8412	4.9400e-003	4.7300e-003	259.3734

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2.19165	0.0236	0.2020	0.0860	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.8412	257.8412	4.9400e-003	4.7300e-003	259.3734
Total		0.0236	0.2020	0.0860	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.8412	257.8412	4.9400e-003	4.7300e-003	259.3734

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	10.8680	0.6727	18.3232	0.0404		2.3822	2.3822		2.3822	2.3822	290.3745	562.6051	852.9796	0.8704	0.0197	880.6123
Unmitigated	10.8680	0.6727	18.3232	0.0404		2.3822	2.3822		2.3822	2.3822	290.3745	562.6051	852.9796	0.8704	0.0197	880.6123

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4552					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	8.1231	0.6432	15.7651	0.0402		2.3680	2.3680		2.3680	2.3680	290.3745	558.0000	848.3745	0.8660	0.0197	875.8964
Landscaping	0.0771	0.0295	2.5581	1.4000e-004		0.0142	0.0142		0.0142	0.0142		4.6051	4.6051	4.4300e-003		4.7158
Total	10.8680	0.6727	18.3232	0.0404		2.3822	2.3822		2.3822	2.3822	290.3745	562.6051	852.9796	0.8704	0.0197	880.6123

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

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	0.2126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4552					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	8.1231	0.6432	15.7651	0.0402		2.3680	2.3680		2.3680	2.3680	290.3745	558.0000	848.3745	0.8660	0.0197	875.8964
Landscaping	0.0771	0.0295	2.5581	1.4000e-004		0.0142	0.0142		0.0142	0.0142		4.6051	4.6051	4.4300e-003		4.7158
Total	10.8680	0.6727	18.3232	0.0404		2.3822	2.3822		2.3822	2.3822	290.3745	562.6051	852.9796	0.8704	0.0197	880.6123

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Summer

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

RPV Zone 2 Landslide Moratorium
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	31.00	Dwelling Unit	31.00	124,000.00	89

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	8			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Per updated details RE built and not-yet built homes in Zone 2.

Construction Phase - Based on schedule used in 2012 EIR

Grading - Based on development assumptions for Zone 2

Architectural Coating - Per SCAQMD Rule 1113.

Area Coating - Per SCAQMD Rule 1113.

Construction Off-road Equipment Mitigation - Watering twice per day per SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	61
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	61
tblConstructionPhase	NumDays	35.00	55.00
tblConstructionPhase	NumDays	500.00	740.00
tblConstructionPhase	NumDays	30.00	50.00
tblConstructionPhase	NumDays	45.00	75.00
tblConstructionPhase	NumDays	35.00	55.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	PhaseEndDate	7/20/2021	11/8/2022
tblConstructionPhase	PhaseEndDate	4/13/2021	6/7/2022
tblConstructionPhase	PhaseEndDate	2/12/2019	3/12/2019
tblConstructionPhase	PhaseEndDate	5/14/2019	8/6/2019
tblConstructionPhase	PhaseEndDate	6/1/2021	8/23/2022
tblConstructionPhase	PhaseEndDate	3/12/2019	4/23/2019
tblConstructionPhase	PhaseStartDate	6/2/2021	8/24/2022
tblConstructionPhase	PhaseStartDate	5/15/2019	8/7/2019
tblConstructionPhase	PhaseStartDate	3/13/2019	4/24/2019
tblConstructionPhase	PhaseStartDate	4/14/2021	6/8/2022
tblConstructionPhase	PhaseStartDate	2/13/2019	3/13/2019
tblGrading	AcresOfGrading	187.50	112.50
tblGrading	MaterialExported	0.00	31,000.00
tblGrading	MaterialImported	0.00	1,550.00
tblLandUse	LandUseSquareFeet	55,800.00	124,000.00
tblLandUse	LotAcreage	10.06	31.00

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

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					
2019	5.2630	67.9184	37.2530	0.0980	18.2675	2.4337	20.6596	9.9840	2.2408	12.1848	0.0000	10,014.8673	10,014.8673	2.2157	0.0000	10,070.2595
2020	2.1872	19.5450	17.3818	0.0289	0.1422	1.1196	1.2618	0.0381	1.0527	1.0909	0.0000	2,755.7140	2,755.7140	0.6321	0.0000	2,771.5166
2021	1.9629	17.7587	17.0645	0.0289	0.1422	0.9602	1.1024	0.0381	0.9028	0.9409	0.0000	2,751.5152	2,751.5152	0.6247	0.0000	2,767.1318
2022	14.3208	15.9243	16.8162	0.0288	0.1677	0.8105	0.9527	0.0445	0.7626	0.8007	0.0000	2,747.6273	2,747.6273	0.7183	0.0000	2,763.1292
Maximum	14.3208	67.9184	37.2530	0.0980	18.2675	2.4337	20.6596	9.9840	2.2408	12.1848	0.0000	10,014.8673	10,014.8673	2.2157	0.0000	10,070.2595

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

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	10.8680	0.6727	18.3232	0.0404		2.3822	2.3822		2.3822	2.3822	290.3745	562.6051	852.9796	0.8704	0.0197	880.6123
Energy	0.0236	0.2020	0.0860	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.8412	257.8412	4.9400e-003	4.7300e-003	259.3734
Mobile	0.4907	2.1529	6.6182	0.0253	2.2323	0.0194	2.2517	0.5974	0.0181	0.6155		2,573.0863	2,573.0863	0.1279		2,576.2825
Total	11.3823	3.0276	25.0274	0.0669	2.2323	2.4180	4.6503	0.5974	2.4166	3.0140	290.3745	3,393.5326	3,683.9071	1.0032	0.0244	3,716.2681

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.8680	0.6727	18.3232	0.0404		2.3822	2.3822		2.3822	2.3822	290.3745	562.6051	852.9796	0.8704	0.0197	880.6123
Energy	0.0236	0.2020	0.0860	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.8412	257.8412	4.9400e-003	4.7300e-003	259.3734
Mobile	0.4907	2.1529	6.6182	0.0253	2.2323	0.0194	2.2517	0.5974	0.0181	0.6155		2,573.0863	2,573.0863	0.1279		2,576.2825
Total	11.3823	3.0276	25.0274	0.0669	2.2323	2.4180	4.6503	0.5974	2.4166	3.0140	290.3745	3,393.5326	3,683.9071	1.0032	0.0244	3,716.2681

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/2/2019	3/12/2019	5	50	
2	Site Preparation	Site Preparation	3/13/2019	4/23/2019	5	30	
3	Grading	Grading	4/24/2019	8/6/2019	5	75	
4	Building Construction	Building Construction	8/7/2019	6/7/2022	5	740	
5	Paving	Paving	6/8/2022	8/23/2022	5	55	
6	Architectural Coating	Architectural Coating	8/24/2022	11/8/2022	5	55	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 251,100; Residential Outdoor: 83,700; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

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

Trips and VMT

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

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	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,218.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	11.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

3.2 Demolition - 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	0.0000	0.0000	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	0.0831	0.0610	0.6637	1.7200e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		171.3196	171.3196	5.8900e-003		171.4670
Total	0.0831	0.0610	0.6637	1.7200e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		171.3196	171.3196	5.8900e-003		171.4670

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	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

3.2 Demolition - 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	0.0000	0.0000	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	0.0831	0.0610	0.6637	1.7200e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		171.3196	171.3196	5.8900e-003		171.4670
Total	0.0831	0.0610	0.6637	1.7200e-003	0.1677	1.4500e-003	0.1691	0.0445	1.3300e-003	0.0458		171.3196	171.3196	5.8900e-003		171.4670

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298		3,766.4529	3,766.4529	1.1917		3,796.2445

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0997	0.0732	0.7965	2.0700e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		205.5836	205.5836	7.0700e-003		205.7604
Total	0.0997	0.0732	0.7965	2.0700e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		205.5836	205.5836	7.0700e-003		205.7604

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	7.0458	2.3904	9.4362	3.8730	2.1991	6.0721	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

3.3 Site Preparation - 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	0.0000	0.0000	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	0.0997	0.0732	0.7965	2.0700e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		205.5836	205.5836	7.0700e-003		205.7604
Total	0.0997	0.0732	0.7965	2.0700e-003	0.2012	1.7300e-003	0.2029	0.0534	1.6000e-003	0.0550		205.5836	205.5836	7.0700e-003		205.7604

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6128	0.0000	7.6128	3.4820	0.0000	3.4820			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	7.6128	2.3827	9.9955	3.4820	2.1920	5.6740		6,140.0195	6,140.0195	1.9426		6,188.5854

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

3.4 Grading - 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	0.4133	13.3169	2.9913	0.0337	0.7502	0.0491	0.7993	0.2056	0.0470	0.2526		3,646.4217	3,646.4217	0.2652		3,653.0515
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	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226
Total	0.5240	13.3983	3.8762	0.0360	0.9737	0.0511	1.0248	0.2649	0.0488	0.3137		3,874.8479	3,874.8479	0.2731		3,881.6741

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9690	0.0000	2.9690	1.3580	0.0000	1.3580			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	2.9690	2.3827	5.3517	1.3580	2.1920	3.5500	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

3.4 Grading - 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	0.4133	13.3169	2.9913	0.0337	0.7502	0.0491	0.7993	0.2056	0.0470	0.2526		3,646.4217	3,646.4217	0.2652		3,653.0515
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	0.1108	0.0813	0.8850	2.2900e-003	0.2236	1.9300e-003	0.2255	0.0593	1.7800e-003	0.0611		228.4262	228.4262	7.8600e-003		228.6226
Total	0.5240	13.3983	3.8762	0.0360	0.9737	0.0511	1.0248	0.2649	0.0488	0.3137		3,874.8479	3,874.8479	0.2731		3,881.6741

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

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	0.0130	0.3477	0.1015	7.6000e-004	0.0192	2.2500e-003	0.0215	5.5300e-003	2.1500e-003	7.6800e-003		81.3831	81.3831	5.7200e-003		81.5261
Worker	0.0609	0.0447	0.4867	1.2600e-003	0.1230	1.0600e-003	0.1240	0.0326	9.8000e-004	0.0336		125.6344	125.6344	4.3200e-003		125.7424
Total	0.0739	0.3924	0.5883	2.0200e-003	0.1422	3.3100e-003	0.1455	0.0381	3.1300e-003	0.0413		207.0175	207.0175	0.0100		207.2685

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

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	0.0130	0.3477	0.1015	7.6000e-004	0.0192	2.2500e-003	0.0215	5.5300e-003	2.1500e-003	7.6800e-003		81.3831	81.3831	5.7200e-003		81.5261
Worker	0.0609	0.0447	0.4867	1.2600e-003	0.1230	1.0600e-003	0.1240	0.0326	9.8000e-004	0.0336		125.6344	125.6344	4.3200e-003		125.7424
Total	0.0739	0.3924	0.5883	2.0200e-003	0.1422	3.3100e-003	0.1455	0.0381	3.1300e-003	0.0413		207.0175	207.0175	0.0100		207.2685

3.5 Building Construction - 2020

Unmitigated Construction On-Site

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

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

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	0.0112	0.3191	0.0922	7.6000e-004	0.0192	1.5300e-003	0.0207	5.5300e-003	1.4600e-003	6.9900e-003		80.8347	80.8347	5.4100e-003		80.9699
Worker	0.0562	0.0399	0.4411	1.2200e-003	0.1230	1.0300e-003	0.1240	0.0326	9.5000e-004	0.0336		121.8162	121.8162	3.8400e-003		121.9122
Total	0.0674	0.3589	0.5333	1.9800e-003	0.1422	2.5600e-003	0.1447	0.0381	2.4100e-003	0.0405		202.6510	202.6510	9.2500e-003		202.8821

Mitigated Construction On-Site

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

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

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	0.0112	0.3191	0.0922	7.6000e-004	0.0192	1.5300e-003	0.0207	5.5300e-003	1.4600e-003	6.9900e-003		80.8347	80.8347	5.4100e-003		80.9699
Worker	0.0562	0.0399	0.4411	1.2200e-003	0.1230	1.0300e-003	0.1240	0.0326	9.5000e-004	0.0336		121.8162	121.8162	3.8400e-003		121.9122
Total	0.0674	0.3589	0.5333	1.9800e-003	0.1422	2.5600e-003	0.1447	0.0381	2.4100e-003	0.0405		202.6510	202.6510	9.2500e-003		202.8821

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2021

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	9.5700e-003	0.2907	0.0842	7.5000e-004	0.0192	6.1000e-004	0.0198	5.5300e-003	5.9000e-004	6.1200e-003		80.2037	80.2037	5.1800e-003		80.3331
Worker	0.0525	0.0359	0.4051	1.1800e-003	0.1230	9.9000e-004	0.1240	0.0326	9.2000e-004	0.0335		117.9476	117.9476	3.4700e-003		118.0344
Total	0.0620	0.3266	0.4893	1.9300e-003	0.1422	1.6000e-003	0.1438	0.0381	1.5100e-003	0.0396		198.1513	198.1513	8.6500e-003		198.3675

Mitigated Construction On-Site

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

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2021

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	9.5700e-003	0.2907	0.0842	7.5000e-004	0.0192	6.1000e-004	0.0198	5.5300e-003	5.9000e-004	6.1200e-003		80.2037	80.2037	5.1800e-003		80.3331
Worker	0.0525	0.0359	0.4051	1.1800e-003	0.1230	9.9000e-004	0.1240	0.0326	9.2000e-004	0.0335		117.9476	117.9476	3.4700e-003		118.0344
Total	0.0620	0.3266	0.4893	1.9300e-003	0.1422	1.6000e-003	0.1438	0.0381	1.5100e-003	0.0396		198.1513	198.1513	8.6500e-003		198.3675

3.5 Building Construction - 2022

Unmitigated Construction On-Site

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

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2022

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	8.9900e-003	0.2762	0.0797	7.4000e-004	0.0192	5.4000e-004	0.0197	5.5300e-003	5.1000e-004	6.0400e-003		79.4911	79.4911	5.0000e-003		79.6160
Worker	0.0493	0.0324	0.3731	1.1400e-003	0.1230	9.6000e-004	0.1239	0.0326	8.9000e-004	0.0335		113.8026	113.8026	3.1300e-003		113.8810
Total	0.0583	0.3086	0.4528	1.8800e-003	0.1422	1.5000e-003	0.1437	0.0381	1.4000e-003	0.0395		193.2937	193.2937	8.1300e-003		193.4970

Mitigated Construction On-Site

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

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2022

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	8.9900e-003	0.2762	0.0797	7.4000e-004	0.0192	5.4000e-004	0.0197	5.5300e-003	5.1000e-004	6.0400e-003		79.4911	79.4911	5.0000e-003		79.6160
Worker	0.0493	0.0324	0.3731	1.1400e-003	0.1230	9.6000e-004	0.1239	0.0326	8.9000e-004	0.0335		113.8026	113.8026	3.1300e-003		113.8810
Total	0.0583	0.3086	0.4528	1.8800e-003	0.1422	1.5000e-003	0.1437	0.0381	1.4000e-003	0.0395		193.2937	193.2937	8.1300e-003		193.4970

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922

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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14.1073					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	14.3118	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2022

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	8.9600e-003	5.8900e-003	0.0678	2.1000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		20.6914	20.6914	5.7000e-004		20.7056
Total	8.9600e-003	5.8900e-003	0.0678	2.1000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		20.6914	20.6914	5.7000e-004		20.7056

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	14.1073					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	14.3118	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2022

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	8.9600e-003	5.8900e-003	0.0678	2.1000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		20.6914	20.6914	5.7000e-004		20.7056
Total	8.9600e-003	5.8900e-003	0.0678	2.1000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		20.6914	20.6914	5.7000e-004		20.7056

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4907	2.1529	6.6182	0.0253	2.2323	0.0194	2.2517	0.5974	0.0181	0.6155		2,573.0863	2,573.0863	0.1279		2,576.2825
Unmitigated	0.4907	2.1529	6.6182	0.0253	2.2323	0.0194	2.2517	0.5974	0.0181	0.6155		2,573.0863	2,573.0863	0.1279		2,576.2825

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	295.12	307.21	267.22	1,000,752	1,000,752
Total	295.12	307.21	267.22	1,000,752	1,000,752

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

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	0.0236	0.2020	0.0860	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.8412	257.8412	4.9400e-003	4.7300e-003	259.3734
NaturalGas Unmitigated	0.0236	0.2020	0.0860	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.8412	257.8412	4.9400e-003	4.7300e-003	259.3734

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					
Single Family Housing	2191.65	0.0236	0.2020	0.0860	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.8412	257.8412	4.9400e-003	4.7300e-003	259.3734
Total		0.0236	0.2020	0.0860	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.8412	257.8412	4.9400e-003	4.7300e-003	259.3734

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2.19165	0.0236	0.2020	0.0860	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.8412	257.8412	4.9400e-003	4.7300e-003	259.3734
Total		0.0236	0.2020	0.0860	1.2900e-003		0.0163	0.0163		0.0163	0.0163		257.8412	257.8412	4.9400e-003	4.7300e-003	259.3734

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	10.8680	0.6727	18.3232	0.0404		2.3822	2.3822		2.3822	2.3822	290.3745	562.6051	852.9796	0.8704	0.0197	880.6123
Unmitigated	10.8680	0.6727	18.3232	0.0404		2.3822	2.3822		2.3822	2.3822	290.3745	562.6051	852.9796	0.8704	0.0197	880.6123

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4552					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	8.1231	0.6432	15.7651	0.0402		2.3680	2.3680		2.3680	2.3680	290.3745	558.0000	848.3745	0.8660	0.0197	875.8964
Landscaping	0.0771	0.0295	2.5581	1.4000e-004		0.0142	0.0142		0.0142	0.0142		4.6051	4.6051	4.4300e-003		4.7158
Total	10.8680	0.6727	18.3232	0.0404		2.3822	2.3822		2.3822	2.3822	290.3745	562.6051	852.9796	0.8704	0.0197	880.6123

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

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	0.2126					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4552					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	8.1231	0.6432	15.7651	0.0402		2.3680	2.3680		2.3680	2.3680	290.3745	558.0000	848.3745	0.8660	0.0197	875.8964
Landscaping	0.0771	0.0295	2.5581	1.4000e-004		0.0142	0.0142		0.0142	0.0142		4.6051	4.6051	4.4300e-003		4.7158
Total	10.8680	0.6727	18.3232	0.0404		2.3822	2.3822		2.3822	2.3822	290.3745	562.6051	852.9796	0.8704	0.0197	880.6123

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Winter

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Annual

**RPV Zone 2 Landslide Moratorium
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	31.00	Dwelling Unit	31.00	124,000.00	89

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	8			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Per updated details RE built and not-yet built homes in Zone 2.

Construction Phase - Based on schedule used in 2012 EIR

Grading - Based on development assumptions for Zone 2

Architectural Coating - Per SCAQMD Rule 1113.

Area Coating - Per SCAQMD Rule 1113.

Construction Off-road Equipment Mitigation - Watering twice per day per SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Annual

tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	61
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	61
tblConstructionPhase	NumDays	35.00	55.00
tblConstructionPhase	NumDays	500.00	740.00
tblConstructionPhase	NumDays	30.00	50.00
tblConstructionPhase	NumDays	45.00	75.00
tblConstructionPhase	NumDays	35.00	55.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	PhaseEndDate	7/20/2021	11/8/2022
tblConstructionPhase	PhaseEndDate	4/13/2021	6/7/2022
tblConstructionPhase	PhaseEndDate	2/12/2019	3/12/2019
tblConstructionPhase	PhaseEndDate	5/14/2019	8/6/2019
tblConstructionPhase	PhaseEndDate	6/1/2021	8/23/2022
tblConstructionPhase	PhaseEndDate	3/12/2019	4/23/2019
tblConstructionPhase	PhaseStartDate	6/2/2021	8/24/2022
tblConstructionPhase	PhaseStartDate	5/15/2019	8/7/2019
tblConstructionPhase	PhaseStartDate	3/13/2019	4/24/2019
tblConstructionPhase	PhaseStartDate	4/14/2021	6/8/2022
tblConstructionPhase	PhaseStartDate	2/13/2019	3/13/2019
tblGrading	AcresOfGrading	187.50	112.50
tblGrading	MaterialExported	0.00	31,000.00
tblGrading	MaterialImported	0.00	1,550.00
tblLandUse	LandUseSquareFeet	55,800.00	124,000.00
tblLandUse	LotAcreage	10.06	31.00

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Annual

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					
2019	0.4804	5.2654	3.2380	6.8300e-003	0.6067	0.2399	0.8467	0.2932	0.2226	0.5158	0.0000	620.1350	620.1350	0.1463	0.0000	623.7916
2020	0.2858	2.5613	2.2780	3.7900e-003	0.0183	0.1467	0.1649	4.9100e-003	0.1379	0.1428	0.0000	327.8899	327.8899	0.0751	0.0000	329.7675
2021	0.2555	2.3183	2.2278	3.7700e-003	0.0182	0.1253	0.1435	4.8900e-003	0.1178	0.1227	0.0000	326.1329	326.1329	0.0739	0.0000	327.9814
2022	0.5243	1.2382	1.4092	2.3700e-003	0.0129	0.0633	0.0762	3.4600e-003	0.0594	0.0628	0.0000	206.3064	206.3064	0.0499	0.0000	207.5536
Maximum	0.5243	5.2654	3.2380	6.8300e-003	0.6067	0.2399	0.8467	0.2932	0.2226	0.5158	0.0000	620.1350	620.1350	0.1463	0.0000	623.7916

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Annual

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					
2019	0.4804	5.2654	3.2380	6.8300e-003	0.2673	0.2399	0.5072	0.1226	0.2226	0.3453	0.0000	620.1344	620.1344	0.1463	0.0000	623.7911
2020	0.2858	2.5613	2.2780	3.7900e-003	0.0183	0.1467	0.1649	4.9100e-003	0.1379	0.1428	0.0000	327.8895	327.8895	0.0751	0.0000	329.7672
2021	0.2555	2.3183	2.2278	3.7700e-003	0.0182	0.1253	0.1435	4.8900e-003	0.1178	0.1227	0.0000	326.1325	326.1325	0.0739	0.0000	327.9810
2022	0.5243	1.2382	1.4092	2.3700e-003	0.0129	0.0633	0.0762	3.4600e-003	0.0594	0.0628	0.0000	206.3062	206.3062	0.0499	0.0000	207.5534
Maximum	0.5243	5.2654	3.2380	6.8300e-003	0.2673	0.2399	0.5072	0.1226	0.2226	0.3453	0.0000	620.1344	620.1344	0.1463	0.0000	623.7911

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	51.74	0.00	27.57	55.65	0.00	20.20	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2019	4-1-2019	1.3437	1.3437
2	4-2-2019	7-1-2019	2.1917	2.1917
3	7-2-2019	10-1-2019	1.4162	1.4162
4	10-2-2019	1-1-2020	0.7847	0.7847
5	1-2-2020	4-1-2020	0.7063	0.7063
6	4-2-2020	7-1-2020	0.7060	0.7060
7	7-2-2020	10-1-2020	0.7137	0.7137
8	10-2-2020	1-1-2021	0.7133	0.7133

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9	1-2-2021	4-1-2021	0.6339	0.6339
10	4-2-2021	7-1-2021	0.6407	0.6407
11	7-2-2021	10-1-2021	0.6477	0.6477
12	10-2-2021	1-1-2022	0.6473	0.6473
13	1-2-2022	4-1-2022	0.5686	0.5686
14	4-2-2022	7-1-2022	0.5287	0.5287
15	7-2-2022	9-30-2022	0.4469	0.4469
		Highest	2.1917	2.1917

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	0.5980	0.0117	0.5168	5.2000e-004		0.0314	0.0314		0.0314	0.0314	3.2928	6.8498	10.1426	0.0103	2.2000e-004	10.4673
Energy	4.3100e-003	0.0369	0.0157	2.4000e-004		2.9800e-003	2.9800e-003		2.9800e-003	2.9800e-003	0.0000	121.8897	121.8897	4.0900e-003	1.4600e-003	122.4268
Mobile	0.0832	0.3800	1.1662	4.4400e-003	0.3798	3.3600e-003	0.3832	0.1018	3.1300e-003	0.1049	0.0000	410.6360	410.6360	0.0201	0.0000	411.1375
Waste						0.0000	0.0000		0.0000	0.0000	7.4071	0.0000	7.4071	0.4378	0.0000	18.3509
Water						0.0000	0.0000		0.0000	0.0000	0.6408	12.8870	13.5278	0.0664	1.6600e-003	15.6824
Total	0.6856	0.4286	1.6987	5.2000e-003	0.3798	0.0377	0.4175	0.1018	0.0375	0.1393	11.3407	552.2626	563.6033	0.5386	3.3400e-003	578.0648

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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	0.5980	0.0117	0.5168	5.2000e-004		0.0314	0.0314		0.0314	0.0314	3.2928	6.8498	10.1426	0.0103	2.2000e-004	10.4673
Energy	4.3100e-003	0.0369	0.0157	2.4000e-004		2.9800e-003	2.9800e-003		2.9800e-003	2.9800e-003	0.0000	121.8897	121.8897	4.0900e-003	1.4600e-003	122.4268
Mobile	0.0832	0.3800	1.1662	4.4400e-003	0.3798	3.3600e-003	0.3832	0.1018	3.1300e-003	0.1049	0.0000	410.6360	410.6360	0.0201	0.0000	411.1375
Waste						0.0000	0.0000		0.0000	0.0000	7.4071	0.0000	7.4071	0.4378	0.0000	18.3509
Water						0.0000	0.0000		0.0000	0.0000	0.6408	12.8870	13.5278	0.0664	1.6600e-003	15.6824
Total	0.6856	0.4286	1.6987	5.2000e-003	0.3798	0.0377	0.4175	0.1018	0.0375	0.1393	11.3407	552.2626	563.6033	0.5386	3.3400e-003	578.0648

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

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/2/2019	3/12/2019	5	50	
2	Site Preparation	Site Preparation	3/13/2019	4/23/2019	5	30	
3	Grading	Grading	4/24/2019	8/6/2019	5	75	
4	Building Construction	Building Construction	8/7/2019	6/7/2022	5	740	
5	Paving	Paving	6/8/2022	8/23/2022	5	55	
6	Architectural Coating	Architectural Coating	8/24/2022	11/8/2022	5	55	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 251,100; Residential Outdoor: 83,700; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

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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	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,218.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	11.00	3.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0878	0.8946	0.5515	9.7000e-004		0.0449	0.0449		0.0417	0.0417	0.0000	86.5658	86.5658	0.0241	0.0000	87.1679
Total	0.0878	0.8946	0.5515	9.7000e-004		0.0449	0.0449		0.0417	0.0417	0.0000	86.5658	86.5658	0.0241	0.0000	87.1679

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3.2 Demolition - 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	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	1.8800e-003	1.5700e-003	0.0170	4.0000e-005	4.1100e-003	4.0000e-005	4.1500e-003	1.0900e-003	3.0000e-005	1.1200e-003	0.0000	3.9501	3.9501	1.4000e-004	0.0000	3.9535
Total	1.8800e-003	1.5700e-003	0.0170	4.0000e-005	4.1100e-003	4.0000e-005	4.1500e-003	1.0900e-003	3.0000e-005	1.1200e-003	0.0000	3.9501	3.9501	1.4000e-004	0.0000	3.9535

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	0.0878	0.8946	0.5515	9.7000e-004		0.0449	0.0449		0.0417	0.0417	0.0000	86.5657	86.5657	0.0241	0.0000	87.1678
Total	0.0878	0.8946	0.5515	9.7000e-004		0.0449	0.0449		0.0417	0.0417	0.0000	86.5657	86.5657	0.0241	0.0000	87.1678

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3.2 Demolition - 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	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	1.8800e-003	1.5700e-003	0.0170	4.0000e-005	4.1100e-003	4.0000e-005	4.1500e-003	1.0900e-003	3.0000e-005	1.1200e-003	0.0000	3.9501	3.9501	1.4000e-004	0.0000	3.9535
Total	1.8800e-003	1.5700e-003	0.0170	4.0000e-005	4.1100e-003	4.0000e-005	4.1500e-003	1.0900e-003	3.0000e-005	1.1200e-003	0.0000	3.9501	3.9501	1.4000e-004	0.0000	3.9535

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					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	0.0650	0.6836	0.3310	5.7000e-004		0.0359	0.0359		0.0330	0.0330	0.0000	51.2530	51.2530	0.0162	0.0000	51.6584
Total	0.0650	0.6836	0.3310	5.7000e-004	0.2710	0.0359	0.3069	0.1490	0.0330	0.1820	0.0000	51.2530	51.2530	0.0162	0.0000	51.6584

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3.3 Site Preparation - 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	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	1.3500e-003	1.1300e-003	0.0123	3.0000e-005	2.9600e-003	3.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.8441	2.8441	1.0000e-004	0.0000	2.8465
Total	1.3500e-003	1.1300e-003	0.0123	3.0000e-005	2.9600e-003	3.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.8441	2.8441	1.0000e-004	0.0000	2.8465

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					0.1057	0.0000	0.1057	0.0581	0.0000	0.0581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0650	0.6836	0.3309	5.7000e-004		0.0359	0.0359		0.0330	0.0330	0.0000	51.2530	51.2530	0.0162	0.0000	51.6584
Total	0.0650	0.6836	0.3309	5.7000e-004	0.1057	0.0359	0.1416	0.0581	0.0330	0.0911	0.0000	51.2530	51.2530	0.0162	0.0000	51.6584

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3.3 Site Preparation - 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	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	1.3500e-003	1.1300e-003	0.0123	3.0000e-005	2.9600e-003	3.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.8441	2.8441	1.0000e-004	0.0000	2.8465
Total	1.3500e-003	1.1300e-003	0.0123	3.0000e-005	2.9600e-003	3.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.8441	2.8441	1.0000e-004	0.0000	2.8465

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2855	0.0000	0.2855	0.1306	0.0000	0.1306	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1777	2.0445	1.2516	2.3300e-003		0.0894	0.0894		0.0822	0.0822	0.0000	208.8800	208.8800	0.0661	0.0000	210.5321
Total	0.1777	2.0445	1.2516	2.3300e-003	0.2855	0.0894	0.3748	0.1306	0.0822	0.2128	0.0000	208.8800	208.8800	0.0661	0.0000	210.5321

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3.4 Grading - 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	tons/yr										MT/yr					
Hauling	0.0153	0.5092	0.1082	1.2800e-003	0.0277	1.8200e-003	0.0295	7.5900e-003	1.7400e-003	9.3400e-003	0.0000	125.2905	125.2905	8.8400e-003	0.0000	125.5114
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	3.7600e-003	3.1300e-003	0.0341	9.0000e-005	8.2200e-003	7.0000e-005	8.2900e-003	2.1800e-003	7.0000e-005	2.2500e-003	0.0000	7.9002	7.9002	2.7000e-004	0.0000	7.9070
Total	0.0190	0.5124	0.1422	1.3700e-003	0.0359	1.8900e-003	0.0378	9.7700e-003	1.8100e-003	0.0116	0.0000	133.1907	133.1907	9.1100e-003	0.0000	133.4183

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					0.1113	0.0000	0.1113	0.0509	0.0000	0.0509	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1777	2.0445	1.2516	2.3300e-003		0.0894	0.0894		0.0822	0.0822	0.0000	208.8797	208.8797	0.0661	0.0000	210.5319
Total	0.1777	2.0445	1.2516	2.3300e-003	0.1113	0.0894	0.2007	0.0509	0.0822	0.1331	0.0000	208.8797	208.8797	0.0661	0.0000	210.5319

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3.4 Grading - 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	tons/yr										MT/yr					
Hauling	0.0153	0.5092	0.1082	1.2800e-003	0.0277	1.8200e-003	0.0295	7.5900e-003	1.7400e-003	9.3400e-003	0.0000	125.2905	125.2905	8.8400e-003	0.0000	125.5114
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	3.7600e-003	3.1300e-003	0.0341	9.0000e-005	8.2200e-003	7.0000e-005	8.2900e-003	2.1800e-003	7.0000e-005	2.2500e-003	0.0000	7.9002	7.9002	2.7000e-004	0.0000	7.9070
Total	0.0190	0.5124	0.1422	1.3700e-003	0.0359	1.8900e-003	0.0378	9.7700e-003	1.8100e-003	0.0116	0.0000	133.1907	133.1907	9.1100e-003	0.0000	133.4183

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1240	1.1066	0.9011	1.4100e-003		0.0677	0.0677		0.0637	0.0637	0.0000	123.4297	123.4297	0.0301	0.0000	124.1814
Total	0.1240	1.1066	0.9011	1.4100e-003		0.0677	0.0677		0.0637	0.0637	0.0000	123.4297	123.4297	0.0301	0.0000	124.1814

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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	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	6.7000e-004	0.0186	5.0900e-003	4.0000e-005	9.9000e-004	1.2000e-004	1.1100e-003	2.9000e-004	1.1000e-004	4.0000e-004	0.0000	3.9385	3.9385	2.6000e-004	0.0000	3.9451
Worker	2.8900e-003	2.4100e-003	0.0262	7.0000e-005	6.3300e-003	6.0000e-005	6.3800e-003	1.6800e-003	5.0000e-005	1.7300e-003	0.0000	6.0831	6.0831	2.1000e-004	0.0000	6.0884
Total	3.5600e-003	0.0210	0.0313	1.1000e-004	7.3200e-003	1.8000e-004	7.4900e-003	1.9700e-003	1.6000e-004	2.1300e-003	0.0000	10.0217	10.0217	4.7000e-004	0.0000	10.0335

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	0.1240	1.1066	0.9011	1.4100e-003		0.0677	0.0677		0.0637	0.0637	0.0000	123.4296	123.4296	0.0301	0.0000	124.1813
Total	0.1240	1.1066	0.9011	1.4100e-003		0.0677	0.0677		0.0637	0.0637	0.0000	123.4296	123.4296	0.0301	0.0000	124.1813

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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	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	6.7000e-004	0.0186	5.0900e-003	4.0000e-005	9.9000e-004	1.2000e-004	1.1100e-003	2.9000e-004	1.1000e-004	4.0000e-004	0.0000	3.9385	3.9385	2.6000e-004	0.0000	3.9451
Worker	2.8900e-003	2.4100e-003	0.0262	7.0000e-005	6.3300e-003	6.0000e-005	6.3800e-003	1.6800e-003	5.0000e-005	1.7300e-003	0.0000	6.0831	6.0831	2.1000e-004	0.0000	6.0884
Total	3.5600e-003	0.0210	0.0313	1.1000e-004	7.3200e-003	1.8000e-004	7.4900e-003	1.9700e-003	1.6000e-004	2.1300e-003	0.0000	10.0217	10.0217	4.7000e-004	0.0000	10.0335

3.5 Building Construction - 2020

Unmitigated Construction On-Site

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

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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	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	1.4300e-003	0.0426	0.0115	1.0000e-004	2.4800e-003	2.0000e-004	2.6700e-003	7.1000e-004	1.9000e-004	9.0000e-004	0.0000	9.7632	9.7632	6.2000e-004	0.0000	9.7787
Worker	6.6500e-003	5.3600e-003	0.0593	1.6000e-004	0.0158	1.3000e-004	0.0159	4.1900e-003	1.2000e-004	4.3200e-003	0.0000	14.7177	14.7177	4.6000e-004	0.0000	14.7293
Total	8.0800e-003	0.0480	0.0709	2.6000e-004	0.0183	3.3000e-004	0.0186	4.9000e-003	3.1000e-004	5.2200e-003	0.0000	24.4808	24.4808	1.0800e-003	0.0000	24.5079

Mitigated Construction On-Site

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

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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	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	1.4300e-003	0.0426	0.0115	1.0000e-004	2.4800e-003	2.0000e-004	2.6700e-003	7.1000e-004	1.9000e-004	9.0000e-004	0.0000	9.7632	9.7632	6.2000e-004	0.0000	9.7787
Worker	6.6500e-003	5.3600e-003	0.0593	1.6000e-004	0.0158	1.3000e-004	0.0159	4.1900e-003	1.2000e-004	4.3200e-003	0.0000	14.7177	14.7177	4.6000e-004	0.0000	14.7293
Total	8.0800e-003	0.0480	0.0709	2.6000e-004	0.0183	3.3000e-004	0.0186	4.9000e-003	3.1000e-004	5.2200e-003	0.0000	24.4808	24.4808	1.0800e-003	0.0000	24.5079

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

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3.5 Building Construction - 2021

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	1.2200e-003	0.0386	0.0105	1.0000e-004	2.4700e-003	8.0000e-005	2.5400e-003	7.1000e-004	8.0000e-005	7.9000e-004	0.0000	9.6503	9.6503	5.9000e-004	0.0000	9.6651
Worker	6.1800e-003	4.8100e-003	0.0543	1.6000e-004	0.0157	1.3000e-004	0.0159	4.1800e-003	1.2000e-004	4.3000e-003	0.0000	14.1959	14.1959	4.2000e-004	0.0000	14.2064
Total	7.4000e-003	0.0435	0.0648	2.6000e-004	0.0182	2.1000e-004	0.0184	4.8900e-003	2.0000e-004	5.0900e-003	0.0000	23.8462	23.8462	1.0100e-003	0.0000	23.8715

Mitigated Construction On-Site

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

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3.5 Building Construction - 2021

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	1.2200e-003	0.0386	0.0105	1.0000e-004	2.4700e-003	8.0000e-005	2.5400e-003	7.1000e-004	8.0000e-005	7.9000e-004	0.0000	9.6503	9.6503	5.9000e-004	0.0000	9.6651
Worker	6.1800e-003	4.8100e-003	0.0543	1.6000e-004	0.0157	1.3000e-004	0.0159	4.1800e-003	1.2000e-004	4.3000e-003	0.0000	14.1959	14.1959	4.2000e-004	0.0000	14.2064
Total	7.4000e-003	0.0435	0.0648	2.6000e-004	0.0182	2.1000e-004	0.0184	4.8900e-003	2.0000e-004	5.0900e-003	0.0000	23.8462	23.8462	1.0100e-003	0.0000	23.8715

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0956	0.8745	0.9164	1.5100e-003		0.0453	0.0453		0.0426	0.0426	0.0000	129.7661	129.7661	0.0311	0.0000	130.5433
Total	0.0956	0.8745	0.9164	1.5100e-003		0.0453	0.0453		0.0426	0.0426	0.0000	129.7661	129.7661	0.0311	0.0000	130.5433

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3.5 Building Construction - 2022

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	4.9000e-004	0.0158	4.2500e-003	4.0000e-005	1.0600e-003	3.0000e-005	1.0900e-003	3.1000e-004	3.0000e-005	3.3000e-004	0.0000	4.1048	4.1048	2.5000e-004	0.0000	4.1109
Worker	2.4900e-003	1.8600e-003	0.0215	7.0000e-005	6.7500e-003	5.0000e-005	6.8000e-003	1.7900e-003	5.0000e-005	1.8400e-003	0.0000	5.8776	5.8776	1.6000e-004	0.0000	5.8816
Total	2.9800e-003	0.0176	0.0257	1.1000e-004	7.8100e-003	8.0000e-005	7.8900e-003	2.1000e-003	8.0000e-005	2.1700e-003	0.0000	9.9824	9.9824	4.1000e-004	0.0000	9.9925

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	0.0956	0.8745	0.9164	1.5100e-003		0.0453	0.0453		0.0426	0.0426	0.0000	129.7660	129.7660	0.0311	0.0000	130.5432
Total	0.0956	0.8745	0.9164	1.5100e-003		0.0453	0.0453		0.0426	0.0426	0.0000	129.7660	129.7660	0.0311	0.0000	130.5432

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3.5 Building Construction - 2022

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	4.9000e-004	0.0158	4.2500e-003	4.0000e-005	1.0600e-003	3.0000e-005	1.0900e-003	3.1000e-004	3.0000e-005	3.3000e-004	0.0000	4.1048	4.1048	2.5000e-004	0.0000	4.1109
Worker	2.4900e-003	1.8600e-003	0.0215	7.0000e-005	6.7500e-003	5.0000e-005	6.8000e-003	1.7900e-003	5.0000e-005	1.8400e-003	0.0000	5.8776	5.8776	1.6000e-004	0.0000	5.8816
Total	2.9800e-003	0.0176	0.0257	1.1000e-004	7.8100e-003	8.0000e-005	7.8900e-003	2.1000e-003	8.0000e-005	2.1700e-003	0.0000	9.9824	9.9824	4.1000e-004	0.0000	9.9925

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0303	0.3059	0.4010	6.3000e-004		0.0156	0.0156		0.0144	0.0144	0.0000	55.0758	55.0758	0.0178	0.0000	55.5211
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0303	0.3059	0.4010	6.3000e-004		0.0156	0.0156		0.0144	0.0144	0.0000	55.0758	55.0758	0.0178	0.0000	55.5211

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3.6 Paving - 2022

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	1.6600e-003	1.2500e-003	0.0144	4.0000e-005	4.5200e-003	4.0000e-005	4.5600e-003	1.2000e-003	3.0000e-005	1.2300e-003	0.0000	3.9359	3.9359	1.1000e-004	0.0000	3.9386
Total	1.6600e-003	1.2500e-003	0.0144	4.0000e-005	4.5200e-003	4.0000e-005	4.5600e-003	1.2000e-003	3.0000e-005	1.2300e-003	0.0000	3.9359	3.9359	1.1000e-004	0.0000	3.9386

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	0.0303	0.3059	0.4010	6.3000e-004		0.0156	0.0156		0.0144	0.0144	0.0000	55.0757	55.0757	0.0178	0.0000	55.5210
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0303	0.3059	0.4010	6.3000e-004		0.0156	0.0156		0.0144	0.0144	0.0000	55.0757	55.0757	0.0178	0.0000	55.5210

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3.6 Paving - 2022

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	1.6600e-003	1.2500e-003	0.0144	4.0000e-005	4.5200e-003	4.0000e-005	4.5600e-003	1.2000e-003	3.0000e-005	1.2300e-003	0.0000	3.9359	3.9359	1.1000e-004	0.0000	3.9386
Total	1.6600e-003	1.2500e-003	0.0144	4.0000e-005	4.5200e-003	4.0000e-005	4.5600e-003	1.2000e-003	3.0000e-005	1.2300e-003	0.0000	3.9359	3.9359	1.1000e-004	0.0000	3.9386

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3880					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.6200e-003	0.0387	0.0499	8.0000e-005		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	7.0215	7.0215	4.6000e-004	0.0000	7.0329
Total	0.3936	0.0387	0.0499	8.0000e-005		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	7.0215	7.0215	4.6000e-004	0.0000	7.0329

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Annual

3.7 Architectural Coating - 2022

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	2.2000e-004	1.7000e-004	1.9200e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5248	0.5248	1.0000e-005	0.0000	0.5252
Total	2.2000e-004	1.7000e-004	1.9200e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5248	0.5248	1.0000e-005	0.0000	0.5252

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	0.3880					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.6200e-003	0.0387	0.0499	8.0000e-005		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	7.0214	7.0214	4.6000e-004	0.0000	7.0329
Total	0.3936	0.0387	0.0499	8.0000e-005		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	7.0214	7.0214	4.6000e-004	0.0000	7.0329

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Annual

3.7 Architectural Coating - 2022

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	2.2000e-004	1.7000e-004	1.9200e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5248	0.5248	1.0000e-005	0.0000	0.5252
Total	2.2000e-004	1.7000e-004	1.9200e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5248	0.5248	1.0000e-005	0.0000	0.5252

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0832	0.3800	1.1662	4.4400e-003	0.3798	3.3600e-003	0.3832	0.1018	3.1300e-003	0.1049	0.0000	410.6360	410.6360	0.0201	0.0000	411.1375
Unmitigated	0.0832	0.3800	1.1662	4.4400e-003	0.3798	3.3600e-003	0.3832	0.1018	3.1300e-003	0.1049	0.0000	410.6360	410.6360	0.0201	0.0000	411.1375

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	295.12	307.21	267.22	1,000,752	1,000,752
Total	295.12	307.21	267.22	1,000,752	1,000,752

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Annual

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	79.2012	79.2012	3.2700e-003	6.8000e-004	79.4846
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	79.2012	79.2012	3.2700e-003	6.8000e-004	79.4846
NaturalGas Mitigated	4.3100e-003	0.0369	0.0157	2.4000e-004		2.9800e-003	2.9800e-003		2.9800e-003	2.9800e-003	0.0000	42.6885	42.6885	8.2000e-004	7.8000e-004	42.9422
NaturalGas Unmitigated	4.3100e-003	0.0369	0.0157	2.4000e-004		2.9800e-003	2.9800e-003		2.9800e-003	2.9800e-003	0.0000	42.6885	42.6885	8.2000e-004	7.8000e-004	42.9422

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					
Single Family Housing	799952	4.3100e-003	0.0369	0.0157	2.4000e-004		2.9800e-003	2.9800e-003		2.9800e-003	2.9800e-003	0.0000	42.6885	42.6885	8.2000e-004	7.8000e-004	42.9422
Total		4.3100e-003	0.0369	0.0157	2.4000e-004		2.9800e-003	2.9800e-003		2.9800e-003	2.9800e-003	0.0000	42.6885	42.6885	8.2000e-004	7.8000e-004	42.9422

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	799952	4.3100e-003	0.0369	0.0157	2.4000e-004		2.9800e-003	2.9800e-003		2.9800e-003	2.9800e-003	0.0000	42.6885	42.6885	8.2000e-004	7.8000e-004	42.9422
Total		4.3100e-003	0.0369	0.0157	2.4000e-004		2.9800e-003	2.9800e-003		2.9800e-003	2.9800e-003	0.0000	42.6885	42.6885	8.2000e-004	7.8000e-004	42.9422

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	248575	79.2012	3.2700e-003	6.8000e-004	79.4846
Total		79.2012	3.2700e-003	6.8000e-004	79.4846

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	248575	79.2012	3.2700e-003	6.8000e-004	79.4846
Total		79.2012	3.2700e-003	6.8000e-004	79.4846

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	0.5980	0.0117	0.5168	5.2000e-004		0.0314	0.0314		0.0314	0.0314	3.2928	6.8498	10.1426	0.0103	2.2000e-004	10.4673
Unmitigated	0.5980	0.0117	0.5168	5.2000e-004		0.0314	0.0314		0.0314	0.0314	3.2928	6.8498	10.1426	0.0103	2.2000e-004	10.4673

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Annual

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0388					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4481					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1015	8.0400e-003	0.1971	5.0000e-004		0.0296	0.0296		0.0296	0.0296	3.2928	6.3276	9.6204	9.8200e-003	2.2000e-004	9.9325
Landscaping	9.6300e-003	3.6900e-003	0.3198	2.0000e-005		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003	0.0000	0.5222	0.5222	5.0000e-004	0.0000	0.5348
Total	0.5980	0.0117	0.5168	5.2000e-004		0.0314	0.0314		0.0314	0.0314	3.2928	6.8498	10.1426	0.0103	2.2000e-004	10.4673

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Annual

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	0.0388					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4481					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1015	8.0400e-003	0.1971	5.0000e-004		0.0296	0.0296		0.0296	0.0296	3.2928	6.3276	9.6204	9.8200e-003	2.2000e-004	9.9325
Landscaping	9.6300e-003	3.6900e-003	0.3198	2.0000e-005		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003	0.0000	0.5222	0.5222	5.0000e-004	0.0000	0.5348
Total	0.5980	0.0117	0.5168	5.2000e-004		0.0314	0.0314		0.0314	0.0314	3.2928	6.8498	10.1426	0.0103	2.2000e-004	10.4673

7.0 Water Detail

7.1 Mitigation Measures Water

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.5278	0.0664	1.6600e-003	15.6824
Unmitigated	13.5278	0.0664	1.6600e-003	15.6824

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	2.01977 / 1.27334	13.5278	0.0664	1.6600e-003	15.6824
Total		13.5278	0.0664	1.6600e-003	15.6824

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	2.01977 / 1.27334	13.5278	0.0664	1.6600e-003	15.6824
Total		13.5278	0.0664	1.6600e-003	15.6824

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7.4071	0.4378	0.0000	18.3509
Unmitigated	7.4071	0.4378	0.0000	18.3509

RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	36.49	7.4071	0.4378	0.0000	18.3509
Total		7.4071	0.4378	0.0000	18.3509

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	36.49	7.4071	0.4378	0.0000	18.3509
Total		7.4071	0.4378	0.0000	18.3509

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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RPV Zone 2 Landslide Moratorium - Los Angeles-South Coast County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Greenhouse Gas Emission Worksheet
N2O Mobile Emissions

RPV - Zone 2 Project

From CalEEMod v.2016.3.2 Vehicle Fleet Mix Output:

Annual VMT: 1,000,752

Vehicle Type	Percent Type	CH4 Emission Factor (g/mile)*	CH4 Emission (g/mile)**	N2O Emission Factor (g/mile)*	N2O Emission (g/mile)**
Light Auto	54.6%	0.04	0.02184	0.04	0.02184
Light Truck < 3750 lbs	4.5%	0.05	0.00225	0.06	0.0027
Light Truck 3751-5750 lbs	20.5%	0.05	0.01025	0.06	0.0123
Med Truck 5751-8500 lbs	11.9%	0.12	0.01428	0.2	0.0238
Lite-Heavy Truck 8501-10,000 lbs	1.5%	0.12	0.0018	0.2	0.003
Lite-Heavy Truck 10,001-14,000 lbs	0.6%	0.09	0.00054	0.125	0.00075
Med-Heavy Truck 14,001-33,000 lbs	2.1%	0.06	0.00126	0.05	0.00105
Heavy-Heavy Truck 33,001-60,000 lbs	3.1%	0.06	0.00186	0.05	0.00155
Other Bus	0.3%	0.06	0.00018	0.05	0.00015
Urban Bus	0.2%	0.06	0.00012	0.05	0.0001
Motorcycle	0.5%	0.09	0.00045	0.01	0.00005
School Bus	0.1%	0.06	0.0000348	0.05	0.000029
Motor Home	0.1%	0.09	0.00009	0.125	0.000125
Total	100.0%		0.0549548		0.067444

Total Emissions (metric tons) =

Emission Factor by Vehicle Mix (g/mi) x Annual VMT(mi) x 0.000001 metric tons/g

Conversion to Carbon Dioxide Equivalency (CO2e) Units based on Global Warming Potential (GWP)

CH4 21 GWP
 N2O 310 GWP
 1 ton (short, US) = 0.90718474 metric ton

Annual Mobile Emissions:

	Total Emissions	Total CO2e units
N2O Emissions:	0.0675 metric tons N2O	20.92 metric tons CO2e
	Project Total: 20.92 metric tons CO2e	

References

- * from Table C.4: Methane and Nitrous Oxide Emission Factors for Mobile Sources by Vehicle and Fuel Type (g/mile). in California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009. Assume Model year 2000-present, gasoline fueled.
- ** Source: California Climate Action Registry General Reporting Protocol, Reporting Entity-Wide Greenhouse Gas Emissions, Version 3.1, January 2009.
- *** CalEEMod v.2016.3.2 results for mobile sources.