

Fallbrook 21+, UM - San Diego County, Winter

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.1515	24.2895	10.3804	0.0206		1.1683	1.1683		1.0748	1.0748	0.0000	2,077.4666	2,077.4666	0.6467		2,093.6352
Total	2.1515	24.2895	10.3804	0.0206	6.5523	1.1683	7.7206	3.3675	1.0748	4.4423	0.0000	2,077.4666	2,077.4666	0.6467		2,093.6352

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	0.0680	0.0511	0.4677	1.3000e-003	0.1277	8.8000e-004	0.1286	0.0339	8.2000e-004	0.0347		129.7001	129.7001	4.3300e-003		129.8085
Total	0.0680	0.0511	0.4677	1.3000e-003	0.1277	8.8000e-004	0.1286	0.0339	8.2000e-004	0.0347		129.7001	129.7001	4.3300e-003		129.8085

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3.5 Paving - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4046	14.2518	11.9787	0.0178		0.8505	0.8505		0.7836	0.7836		1,774.2430	1,774.2430	0.5419		1,787.7896
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4046	14.2518	11.9787	0.0178		0.8505	0.8505		0.7836	0.7836		1,774.2430	1,774.2430	0.5419		1,787.7896

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	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

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3.5 Paving - 2018**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	1.4046	14.2518	11.9787	0.0178		0.8505	0.8505		0.7836	0.7836	0.0000	1,774.2430	1,774.2430	0.5419		1,787.7896
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4046	14.2518	11.9787	0.0178		0.8505	0.8505		0.7836	0.7836	0.0000	1,774.2430	1,774.2430	0.5419		1,787.7896

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	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

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3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.8995	23.6201	12.7461	0.0245		0.9540	0.9540		0.8777	0.8777		2,468.413 1	2,468.413 1	0.7685		2,487.624 4
Total	1.8995	23.6201	12.7461	0.0245	1.5908	0.9540	2.5448	0.1718	0.8777	1.0494		2,468.413 1	2,468.413 1	0.7685		2,487.624 4

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	0.0544	0.0408	0.3742	1.0400e-003	0.1022	7.1000e-004	0.1029	0.0271	6.5000e-004	0.0278		103.7601	103.7601	3.4700e-003		103.8468
Total	0.0544	0.0408	0.3742	1.0400e-003	0.1022	7.1000e-004	0.1029	0.0271	6.5000e-004	0.0278		103.7601	103.7601	3.4700e-003		103.8468

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3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.8995	23.6201	12.7461	0.0245		0.9540	0.9540		0.8777	0.8777	0.0000	2,468.413 1	2,468.413 1	0.7685		2,487.624 4
Total	1.8995	23.6201	12.7461	0.0245	1.5908	0.9540	2.5448	0.1718	0.8777	1.0494	0.0000	2,468.413 1	2,468.413 1	0.7685		2,487.624 4

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	0.0544	0.0408	0.3742	1.0400e-003	0.1022	7.1000e-004	0.1029	0.0271	6.5000e-004	0.0278		103.7601	103.7601	3.4700e-003		103.8468
Total	0.0544	0.0408	0.3742	1.0400e-003	0.1022	7.1000e-004	0.1029	0.0271	6.5000e-004	0.0278		103.7601	103.7601	3.4700e-003		103.8468

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0674	0.3589	0.9103	4.5100e-003	0.5721	1.6500e-003	0.5738	0.1529	1.5300e-003	0.1544		464.8793	464.8793	0.0215		465.4156
Unmitigated	0.0674	0.3589	0.9103	4.5100e-003	0.5721	1.6500e-003	0.5738	0.1529	1.5300e-003	0.1544		464.8793	464.8793	0.0215		465.4156

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	70.00	72.87	63.35	257,048	257,048
Total	70.00	72.87	63.35	257,048	257,048

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	16.80	7.10	7.90	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	7.6800e-003	0.0656	0.0279	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640
NaturalGas Unmitigated	7.6800e-003	0.0656	0.0279	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640

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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	712.013	7.6800e-003	0.0656	0.0279	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640
Total		7.6800e-003	0.0656	0.0279	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0.712013	7.6800e-003	0.0656	0.0279	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640
Total		7.6800e-003	0.0656	0.0279	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640

6.0 Area Detail**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	11.0212	0.2158	13.7987	0.0240		1.8573	1.8573		1.8573	1.8573	194.4021	82.5693	276.9714	0.1804	0.0153	286.0379
Unmitigated	11.0212	0.2158	13.7987	0.0240		1.8573	1.8573		1.8573	1.8573	194.4021	82.5693	276.9714	0.1804	0.0153	286.0379

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	0.0216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2696					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	10.7128	0.2092	13.2237	0.0240		1.8541	1.8541		1.8541	1.8541	194.4021	81.5294	275.9315	0.1794	0.0153	284.9733
Landscaping	0.0172	6.6400e-003	0.5750	3.0000e-005		3.2000e-003	3.2000e-003		3.2000e-003	3.2000e-003		1.0399	1.0399	9.9000e-004		1.0646
Total	11.0212	0.2159	13.7987	0.0240		1.8573	1.8573		1.8573	1.8573	194.4021	82.5693	276.9714	0.1804	0.0153	286.0379

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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	0.0216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2696					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	10.7128	0.2092	13.2237	0.0240		1.8541	1.8541		1.8541	1.8541	194.4021	81.5294	275.9315	0.1794	0.0153	284.9733
Landscaping	0.0172	6.6400e-003	0.5750	3.0000e-005		3.2000e-003	3.2000e-003		3.2000e-003	3.2000e-003		1.0399	1.0399	9.9000e-004		1.0646
Total	11.0212	0.2159	13.7987	0.0240		1.8573	1.8573		1.8573	1.8573	194.4021	82.5693	276.9714	0.1804	0.0153	286.0379

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

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Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	7.00	Dwelling Unit	2.27	12,600.00	20

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00

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tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	12/13/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	11/15/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/11/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	11/29/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/3/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	11/30/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/4/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	11/16/2018
tblFireplaces	NumberGas	3.85	7.00
tblFireplaces	NumberNoFireplace	0.70	0.00
tblFireplaces	NumberWood	2.45	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	0.35	0.00

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tblWoodstoves	:	NumberNoncatalytic	:	0.35	:	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	8.1896	24.3405	15.8955	0.0257	6.6801	1.2587	7.8493	3.4014	1.2063	4.4770	0.0000	2,572.173 3	2,572.173 3	0.7719	0.0000	2,591.471 2
Maximum	8.1896	24.3405	15.8955	0.0257	6.6801	1.2587	7.8493	3.4014	1.2063	4.4770	0.0000	2,572.173 3	2,572.173 3	0.7719	0.0000	2,591.471 2

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	8.1896	24.3405	15.8955	0.0257	6.6801	1.2587	7.8493	3.4014	1.2063	4.4770	0.0000	2,572.173 3	2,572.173 3	0.7719	0.0000	2,591.471 2
Maximum	8.1896	24.3405	15.8955	0.0257	6.6801	1.2587	7.8493	3.4014	1.2063	4.4770	0.0000	2,572.173 3	2,572.173 3	0.7719	0.0000	2,591.471 2

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[illegible]

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2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3220	0.1228	0.6244	7.7000e-004		0.0126	0.0126		0.0126	0.0126	0.0000	149.2752	149.2752	3.8300e-003	2.7200e-003	150.1808
Energy	7.6800e-003	0.0656	0.0279	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640
Mobile	0.0674	0.3589	0.9103	4.5100e-003	0.5721	1.6500e-003	0.5738	0.1529	1.5300e-003	0.1544		464.8793	464.8793	0.0215		465.4156
Total	0.3971	0.5472	1.5626	5.7000e-003	0.5721	0.0196	0.5917	0.1529	0.0194	0.1723	0.0000	697.9207	697.9207	0.0269	4.2600e-003	699.8605

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	0.3220	0.1228	0.6244	7.7000e-004		0.0126	0.0126		0.0126	0.0126	0.0000	149.2752	149.2752	3.8300e-003	2.7200e-003	150.1808
Energy	7.6800e-003	0.0656	0.0279	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640
Mobile	0.0674	0.3589	0.9103	4.5100e-003	0.5721	1.6500e-003	0.5738	0.1529	1.5300e-003	0.1544		464.8793	464.8793	0.0215		465.4156
Total	0.3971	0.5472	1.5626	5.7000e-003	0.5721	0.0196	0.5917	0.1529	0.0194	0.1723	0.0000	697.9207	697.9207	0.0269	4.2600e-003	699.8605

Fallbrook 21+, M - San Diego 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	Architectural Coating	Architectural Coating	11/30/2018	12/13/2018	5	10	
2	Building Construction	Building Construction	1/12/2018	11/15/2018	5	220	
3	Grading	Grading	1/4/2018	1/11/2018	5	6	
4	Paving	Paving	11/16/2018	11/29/2018	5	10	
5	Site Preparation	Site Preparation	1/1/2018	1/3/2018	5	3	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 25,515; Residential Outdoor: 8,505; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Fallbrook 21+, M - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Site Preparation	Scrapers	1	8.00	367	0.48
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	3.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

Fallbrook 21+, M - San Diego County, Winter

3.1 Mitigation Measures Construction**3.2 Architectural Coating - 2018****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	8.1828	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	6.8000e-003	5.1000e-003	0.0468	1.3000e-004	0.0128	9.0000e-005	0.0129	3.3900e-003	8.0000e-005	3.4700e-003		12.9700	12.9700	4.3000e-004		12.9809
Total	6.8000e-003	5.1000e-003	0.0468	1.3000e-004	0.0128	9.0000e-005	0.0129	3.3900e-003	8.0000e-005	3.4700e-003		12.9700	12.9700	4.3000e-004		12.9809

Fallbrook 21+, M - San Diego County, Winter

3.2 Architectural Coating - 2018**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	7.8841					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	8.1828	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	6.8000e-003	5.1000e-003	0.0468	1.3000e-004	0.0128	9.0000e-005	0.0129	3.3900e-003	8.0000e-005	3.4700e-003		12.9700	12.9700	4.3000e-004		12.9809
Total	6.8000e-003	5.1000e-003	0.0468	1.3000e-004	0.0128	9.0000e-005	0.0129	3.3900e-003	8.0000e-005	3.4700e-003		12.9700	12.9700	4.3000e-004		12.9809

Fallbrook 21+, M - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9127	20.7077	15.7183	0.0250		1.2575	1.2575		1.2051	1.2051		2,329.7759	2,329.7759	0.5019		2,342.3232
Total	2.9127	20.7077	15.7183	0.0250		1.2575	1.2575		1.2051	1.2051		2,329.7759	2,329.7759	0.5019		2,342.3232

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.0500e-003	0.1254	0.0369	2.5000e-004	6.1200e-003	9.5000e-004	7.0800e-003	1.7600e-003	9.1000e-004	2.6800e-003		26.7959	26.7959	2.4100e-003		26.8561
Worker	0.0204	0.0153	0.1403	3.9000e-004	0.0383	2.7000e-004	0.0386	0.0102	2.4000e-004	0.0104		38.9100	38.9100	1.3000e-003		38.9425
Total	0.0255	0.1407	0.1772	6.4000e-004	0.0444	1.2200e-003	0.0457	0.0119	1.1500e-003	0.0131		65.7060	65.7060	3.7100e-003		65.7986

Fallbrook 21+, M - San Diego County, Winter

3.3 Building Construction - 2018**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	2.9127	20.7077	15.7183	0.0250		1.2575	1.2575		1.2051	1.2051	0.0000	2,329.775 9	2,329.775 9	0.5019		2,342.323 2
Total	2.9127	20.7077	15.7183	0.0250		1.2575	1.2575		1.2051	1.2051	0.0000	2,329.775 9	2,329.775 9	0.5019		2,342.323 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.0500e-003	0.1254	0.0369	2.5000e-004	6.1200e-003	9.5000e-004	7.0800e-003	1.7600e-003	9.1000e-004	2.6800e-003		26.7959	26.7959	2.4100e-003		26.8561
Worker	0.0204	0.0153	0.1403	3.9000e-004	0.0383	2.7000e-004	0.0386	0.0102	2.4000e-004	0.0104		38.9100	38.9100	1.3000e-003		38.9425
Total	0.0255	0.1407	0.1772	6.4000e-004	0.0444	1.2200e-003	0.0457	0.0119	1.1500e-003	0.0131		65.7060	65.7060	3.7100e-003		65.7986

Fallbrook 21+, M - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.1515	24.2895	10.3804	0.0206		1.1683	1.1683		1.0748	1.0748		2,077.4666	2,077.4666	0.6467		2,093.6352
Total	2.1515	24.2895	10.3804	0.0206	6.5523	1.1683	7.7206	3.3675	1.0748	4.4423		2,077.4666	2,077.4666	0.6467		2,093.6352

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	0.0680	0.0511	0.4677	1.3000e-003	0.1277	8.8000e-004	0.1286	0.0339	8.2000e-004	0.0347		129.7001	129.7001	4.3300e-003		129.8085
Total	0.0680	0.0511	0.4677	1.3000e-003	0.1277	8.8000e-004	0.1286	0.0339	8.2000e-004	0.0347		129.7001	129.7001	4.3300e-003		129.8085

Fallbrook 21+, M - San Diego County, Winter

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.1515	24.2895	10.3804	0.0206		1.1683	1.1683		1.0748	1.0748	0.0000	2,077.4666	2,077.4666	0.6467		2,093.6352
Total	2.1515	24.2895	10.3804	0.0206	6.5523	1.1683	7.7206	3.3675	1.0748	4.4423	0.0000	2,077.4666	2,077.4666	0.6467		2,093.6352

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	0.0680	0.0511	0.4677	1.3000e-003	0.1277	8.8000e-004	0.1286	0.0339	8.2000e-004	0.0347		129.7001	129.7001	4.3300e-003		129.8085
Total	0.0680	0.0511	0.4677	1.3000e-003	0.1277	8.8000e-004	0.1286	0.0339	8.2000e-004	0.0347		129.7001	129.7001	4.3300e-003		129.8085

Fallbrook 21+, M - San Diego County, Winter

3.5 Paving - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4046	14.2518	11.9787	0.0178		0.8505	0.8505		0.7836	0.7836		1,774.2430	1,774.2430	0.5419		1,787.7896
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4046	14.2518	11.9787	0.0178		0.8505	0.8505		0.7836	0.7836		1,774.2430	1,774.2430	0.5419		1,787.7896

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	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

Fallbrook 21+, M - San Diego County, Winter

3.5 Paving - 2018**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	1.4046	14.2518	11.9787	0.0178		0.8505	0.8505		0.7836	0.7836	0.0000	1,774.2430	1,774.2430	0.5419		1,787.7896
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4046	14.2518	11.9787	0.0178		0.8505	0.8505		0.7836	0.7836	0.0000	1,774.2430	1,774.2430	0.5419		1,787.7896

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	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

Fallbrook 21+, M - San Diego County, Winter

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.8995	23.6201	12.7461	0.0245		0.9540	0.9540		0.8777	0.8777		2,468.413 1	2,468.413 1	0.7685		2,487.624 4
Total	1.8995	23.6201	12.7461	0.0245	1.5908	0.9540	2.5448	0.1718	0.8777	1.0494		2,468.413 1	2,468.413 1	0.7685		2,487.624 4

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	0.0544	0.0408	0.3742	1.0400e-003	0.1022	7.1000e-004	0.1029	0.0271	6.5000e-004	0.0278		103.7601	103.7601	3.4700e-003		103.8468
Total	0.0544	0.0408	0.3742	1.0400e-003	0.1022	7.1000e-004	0.1029	0.0271	6.5000e-004	0.0278		103.7601	103.7601	3.4700e-003		103.8468

Fallbrook 21+, M - San Diego County, Winter

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.8995	23.6201	12.7461	0.0245		0.9540	0.9540		0.8777	0.8777	0.0000	2,468.413 1	2,468.413 1	0.7685		2,487.624 4
Total	1.8995	23.6201	12.7461	0.0245	1.5908	0.9540	2.5448	0.1718	0.8777	1.0494	0.0000	2,468.413 1	2,468.413 1	0.7685		2,487.624 4

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	0.0544	0.0408	0.3742	1.0400e-003	0.1022	7.1000e-004	0.1029	0.0271	6.5000e-004	0.0278		103.7601	103.7601	3.4700e-003		103.8468
Total	0.0544	0.0408	0.3742	1.0400e-003	0.1022	7.1000e-004	0.1029	0.0271	6.5000e-004	0.0278		103.7601	103.7601	3.4700e-003		103.8468

4.0 Operational Detail - Mobile

Fallbrook 21+, M - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0674	0.3589	0.9103	4.5100e-003	0.5721	1.6500e-003	0.5738	0.1529	1.5300e-003	0.1544		464.8793	464.8793	0.0215		465.4156
Unmitigated	0.0674	0.3589	0.9103	4.5100e-003	0.5721	1.6500e-003	0.5738	0.1529	1.5300e-003	0.1544		464.8793	464.8793	0.0215		465.4156

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	70.00	72.87	63.35	257,048	257,048
Total	70.00	72.87	63.35	257,048	257,048

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	16.80	7.10	7.90	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

Fallbrook 21+, M - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	7.6800e-003	0.0656	0.0279	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640
NaturalGas Unmitigated	7.6800e-003	0.0656	0.0279	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640

Fallbrook 21+, M - San Diego County, Winter

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	712.013	7.6800e-003	0.0656	0.0279	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640
Total		7.6800e-003	0.0656	0.0279	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	0.712013	7.6800e-003	0.0656	0.0279	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640
Total		7.6800e-003	0.0656	0.0279	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640

6.0 Area Detail**6.1 Mitigation Measures Area**

Fallbrook 21+, M - San Diego 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	0.3220	0.1228	0.6244	7.7000e-004		0.0126	0.0126		0.0126	0.0126	0.0000	149.2752	149.2752	3.8300e-003	2.7200e-003	150.1808
Unmitigated	0.3220	0.1228	0.6244	7.7000e-004		0.0126	0.0126		0.0126	0.0126	0.0000	149.2752	149.2752	3.8300e-003	2.7200e-003	150.1808

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	0.0216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2696					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0136	0.1161	0.0494	7.4000e-004		9.3900e-003	9.3900e-003		9.3900e-003	9.3900e-003	0.0000	148.2353	148.2353	2.8400e-003	2.7200e-003	149.1162
Landscaping	0.0172	6.6400e-003	0.5750	3.0000e-005		3.2000e-003	3.2000e-003		3.2000e-003	3.2000e-003		1.0399	1.0399	9.9000e-004		1.0646
Total	0.3220	0.1228	0.6244	7.7000e-004		0.0126	0.0126		0.0126	0.0126	0.0000	149.2752	149.2752	3.8300e-003	2.7200e-003	150.1808

Fallbrook 21+, M - San Diego 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	0.0216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2696					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0136	0.1161	0.0494	7.4000e-004		9.3900e-003	9.3900e-003		9.3900e-003	9.3900e-003	0.0000	148.2353	148.2353	2.8400e-003	2.7200e-003	149.1162
Landscaping	0.0172	6.6400e-003	0.5750	3.0000e-005		3.2000e-003	3.2000e-003		3.2000e-003	3.2000e-003		1.0399	1.0399	9.9000e-004		1.0646
Total	0.3220	0.1228	0.6244	7.7000e-004		0.0126	0.0126		0.0126	0.0126	0.0000	149.2752	149.2752	3.8300e-003	2.7200e-003	150.1808

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Fallbrook 21+, M - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Mountain Empire 26, UM - San Diego County, Summer

Mountain Empire 26, UM

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	26.00	Dwelling Unit	8.44	46,800.00	74

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Mountain Empire 26, UM - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	2/22/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/28/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	2/9/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/25/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/26/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/10/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/29/2018
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

Mountain Empire 26, UM - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6687	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.4050	4,080.4050	1.2011	0.0000	4,110.4330
2019	14.9193	15.3051	15.3472	0.0248	0.1916	0.8259	1.0175	0.0508	0.7598	0.8106	0.0000	2,458.0692	2,458.0692	0.7203	0.0000	2,476.0778
Maximum	14.9193	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.4050	4,080.4050	1.2011	0.0000	4,110.4330

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6687	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.4050	4,080.4050	1.2011	0.0000	4,110.4330
2019	14.9193	15.3051	15.3472	0.0248	0.1916	0.8259	1.0175	0.0508	0.7598	0.8106	0.0000	2,458.0692	2,458.0692	0.7203	0.0000	2,476.0778
Maximum	14.9193	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.4050	4,080.4050	1.2011	0.0000	4,110.4330

[illegible]

Mountain Empire 26, UM - San Diego 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	40.9359	0.8017	51.2524	0.0891		6.8985	6.8985		6.8985	6.8985	722.0650	306.6859	1,028.7509	0.6700	0.0568	1,062.4266
Energy	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
Mobile	0.2555	1.3090	3.5028	0.0176	2.1250	6.1100e-003	2.1311	0.5679	5.6900e-003	0.5736		1,811.6451	1,811.6451	0.0795		1,813.6323
Total	41.2133	2.2978	54.8347	0.1079	2.1250	6.9198	9.0448	0.5679	6.9193	7.4873	722.0650	2,357.1082	3,079.1732	0.7541	0.0612	3,116.2551

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	40.9359	0.8017	51.2524	0.0891		6.8985	6.8985		6.8985	6.8985	722.0650	306.6859	1,028.7509	0.6700	0.0568	1,062.4266
Energy	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
Mobile	0.2555	1.3090	3.5028	0.0176	2.1250	6.1100e-003	2.1311	0.5679	5.6900e-003	0.5736		1,811.6451	1,811.6451	0.0795		1,813.6323
Total	41.2133	2.2978	54.8347	0.1079	2.1250	6.9198	9.0448	0.5679	6.9193	7.4873	722.0650	2,357.1082	3,079.1732	0.7541	0.0612	3,116.2551

Mountain Empire 26, UM - San Diego 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	Architectural Coating	Architectural Coating	1/26/2019	2/22/2019	5	20	
2	Building Construction	Building Construction	2/10/2018	12/28/2018	5	230	
3	Grading	Grading	1/13/2018	2/9/2018	5	20	
4	Paving	Paving	12/29/2018	1/25/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 94,770; Residential Outdoor: 31,590; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Mountain Empire 26, UM - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	1	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
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	3	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
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	9.00	3.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Mountain Empire 26, UM - San Diego County, Summer

3.2 Architectural Coating - 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					
Archit. Coating	14.6420					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	14.9084	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	0.0109	8.1400e-003	0.0910	2.7000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		26.8089	26.8089	8.3000e-004		26.8297
Total	0.0109	8.1400e-003	0.0910	2.7000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		26.8089	26.8089	8.3000e-004		26.8297

Mountain Empire 26, UM - San Diego County, Summer

3.2 Architectural Coating - 2019**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	14.6420					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	14.9084	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	0.0109	8.1400e-003	0.0910	2.7000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		26.8089	26.8089	8.3000e-004		26.8297
Total	0.0109	8.1400e-003	0.0910	2.7000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		26.8089	26.8089	8.3000e-004		26.8297

Mountain Empire 26, UM - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0145	0.3763	0.0995	7.7000e-004	0.0184	2.8100e-003	0.0212	5.2900e-003	2.6900e-003	7.9800e-003		82.6353	82.6353	6.7600e-003		82.8044
Worker	0.0530	0.0409	0.4529	1.2500e-003	0.1150	8.0000e-004	0.1158	0.0305	7.3000e-004	0.0312		124.3906	124.3906	4.1400e-003		124.4941
Total	0.0675	0.4172	0.5524	2.0200e-003	0.1333	3.6100e-003	0.1369	0.0358	3.4200e-003	0.0392		207.0259	207.0259	0.0109		207.2985

Mountain Empire 26, UM - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0145	0.3763	0.0995	7.7000e-004	0.0184	2.8100e-003	0.0212	5.2900e-003	2.6900e-003	7.9800e-003		82.6353	82.6353	6.7600e-003		82.8044
Worker	0.0530	0.0409	0.4529	1.2500e-003	0.1150	8.0000e-004	0.1158	0.0305	7.3000e-004	0.0312		124.3906	124.3906	4.1400e-003		124.4941
Total	0.0675	0.4172	0.5524	2.0200e-003	0.1333	3.6100e-003	0.1369	0.0358	3.4200e-003	0.0392		207.0259	207.0259	0.0109		207.2985

Mountain Empire 26, UM - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947		2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902

Mountain Empire 26, UM - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902

Mountain Empire 26, UM - San Diego County, Summer

3.5 Paving - 2018**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902

Mountain Empire 26, UM - San Diego County, Summer

3.5 Paving - 2018**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902

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3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231
Total	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231

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3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231
Total	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231

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3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882

Mountain Empire 26, UM - San Diego County, Summer

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882

4.0 Operational Detail - Mobile

Mountain Empire 26, UM - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2555	1.3090	3.5028	0.0176	2.1250	6.1100e-003	2.1311	0.5679	5.6900e-003	0.5736		1,811.645 1	1,811.645 1	0.0795		1,813.632 3
Unmitigated	0.2555	1.3090	3.5028	0.0176	2.1250	6.1100e-003	2.1311	0.5679	5.6900e-003	0.5736		1,811.645 1	1,811.645 1	0.0795		1,813.632 3

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	260.00	270.66	235.30	954,749	954,749
Total	260.00	270.66	235.30	954,749	954,749

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	16.80	7.10	7.90	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

Mountain Empire 26, UM - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
NaturalGas Unmitigated	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962

Mountain Empire 26, UM - San Diego County, Summer

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	2029.61	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
Total		0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2.02961	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
Total		0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962

6.0 Area Detail**6.1 Mitigation Measures Area**

Mountain Empire 26, UM - San Diego 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	40.9359	0.8017	51.2524	0.0891		6.8985	6.8985		6.8985	6.8985	722.0650	306.6859	1,028.7509	0.6700	0.0568	1,062.4266
Unmitigated	40.9359	0.8017	51.2524	0.0891		6.8985	6.8985		6.8985	6.8985	722.0650	306.6859	1,028.7509	0.6700	0.0568	1,062.4266

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	0.0802					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	39.7903	0.7771	49.1168	0.0890		6.8866	6.8866		6.8866	6.8866	722.0650	302.8235	1,024.8885	0.6664	0.0568	1,058.4724
Landscaping	0.0639	0.0247	2.1356	1.1000e-004		0.0119	0.0119		0.0119	0.0119		3.8624	3.8624	3.6800e-003		3.9543
Total	40.9359	0.8017	51.2524	0.0891		6.8985	6.8985		6.8985	6.8985	722.0650	306.6859	1,028.7509	0.6700	0.0568	1,062.4266

Mountain Empire 26, UM - San Diego 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	0.0802					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	39.7903	0.7771	49.1168	0.0890		6.8866	6.8866		6.8866	6.8866	722.0650	302.8235	1,024.8885	0.6664	0.0568	1,058.4724
Landscaping	0.0639	0.0247	2.1356	1.1000e-004		0.0119	0.0119		0.0119	0.0119		3.8624	3.8624	3.6800e-003		3.9543
Total	40.9359	0.8017	51.2524	0.0891		6.8985	6.8985		6.8985	6.8985	722.0650	306.6859	1,028.7509	0.6700	0.0568	1,062.4266

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Mountain Empire 26, UM - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Mountain Empire 26, M - San Diego County, Summer

Mountain Empire 26, M

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	26.00	Dwelling Unit	8.44	46,800.00	74

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00

Mountain Empire 26, M - San Diego County, Summer

tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	2/22/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/28/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	2/9/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/25/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/26/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/10/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/29/2018
tblFireplaces	NumberGas	14.30	26.00
tblFireplaces	NumberNoFireplace	2.60	0.00
tblFireplaces	NumberWood	9.10	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	1.30	0.00

Mountain Empire 26, M - San Diego County, Summer

tblWoodstoves	:	NumberNoncatalytic	:	1.30	:	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6687	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.405 0	4,080.405 0	1.2011	0.0000	4,110.433 0
2019	14.9193	15.3051	15.3472	0.0248	0.1916	0.8259	1.0175	0.0508	0.7598	0.8106	0.0000	2,458.069 2	2,458.069 2	0.7203	0.0000	2,476.077 8
Maximum	14.9193	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.405 0	4,080.405 0	1.2011	0.0000	4,110.433 0

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6687	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.405 0	4,080.405 0	1.2011	0.0000	4,110.433 0
2019	14.9193	15.3051	15.3472	0.0248	0.1916	0.8259	1.0175	0.0508	0.7598	0.8106	0.0000	2,458.069 2	2,458.069 2	0.7203	0.0000	2,476.077 8
Maximum	14.9193	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.405 0	4,080.405 0	1.2011	0.0000	4,110.433 0

Mountain Empire 26, M - San Diego County, Summer

[illegible]

Mountain Empire 26, M - San Diego 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	1.1961	0.4559	2.3191	2.8700e-003		0.0468	0.0468		0.0468	0.0468	0.0000	554.4506	554.4506	0.0142	0.0101	557.8144
Energy	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
Mobile	0.2555	1.3090	3.5028	0.0176	2.1250	6.1100e-003	2.1311	0.5679	5.6900e-003	0.5736		1,811.6451	1,811.6451	0.0795		1,813.6323
Total	1.4735	1.9520	5.9015	0.0217	2.1250	0.0680	2.1930	0.5679	0.0676	0.6355	0.0000	2,604.8729	2,604.8729	0.0983	0.0145	2,611.6428

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1961	0.4559	2.3191	2.8700e-003		0.0468	0.0468		0.0468	0.0468	0.0000	554.4506	554.4506	0.0142	0.0101	557.8144
Energy	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
Mobile	0.2555	1.3090	3.5028	0.0176	2.1250	6.1100e-003	2.1311	0.5679	5.6900e-003	0.5736		1,811.6451	1,811.6451	0.0795		1,813.6323
Total	1.4735	1.9520	5.9015	0.0217	2.1250	0.0680	2.1930	0.5679	0.0676	0.6355	0.0000	2,604.8729	2,604.8729	0.0983	0.0145	2,611.6428

Mountain Empire 26, M - San Diego 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	Architectural Coating	Architectural Coating	1/26/2019	2/22/2019	5	20	
2	Building Construction	Building Construction	2/10/2018	12/28/2018	5	230	
3	Grading	Grading	1/13/2018	2/9/2018	5	20	
4	Paving	Paving	12/29/2018	1/25/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 94,770; Residential Outdoor: 31,590; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Mountain Empire 26, M - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	1	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
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	3	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
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	9.00	3.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Mountain Empire 26, M - San Diego County, Summer

3.2 Architectural Coating - 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					
Archit. Coating	14.6420					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	14.9084	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	0.0109	8.1400e-003	0.0910	2.7000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		26.8089	26.8089	8.3000e-004		26.8297
Total	0.0109	8.1400e-003	0.0910	2.7000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		26.8089	26.8089	8.3000e-004		26.8297

Mountain Empire 26, M - San Diego County, Summer

3.2 Architectural Coating - 2019**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	14.6420					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	14.9084	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	0.0109	8.1400e-003	0.0910	2.7000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		26.8089	26.8089	8.3000e-004		26.8297
Total	0.0109	8.1400e-003	0.0910	2.7000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		26.8089	26.8089	8.3000e-004		26.8297

Mountain Empire 26, M - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0145	0.3763	0.0995	7.7000e-004	0.0184	2.8100e-003	0.0212	5.2900e-003	2.6900e-003	7.9800e-003		82.6353	82.6353	6.7600e-003		82.8044
Worker	0.0530	0.0409	0.4529	1.2500e-003	0.1150	8.0000e-004	0.1158	0.0305	7.3000e-004	0.0312		124.3906	124.3906	4.1400e-003		124.4941
Total	0.0675	0.4172	0.5524	2.0200e-003	0.1333	3.6100e-003	0.1369	0.0358	3.4200e-003	0.0392		207.0259	207.0259	0.0109		207.2985

Mountain Empire 26, M - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0145	0.3763	0.0995	7.7000e-004	0.0184	2.8100e-003	0.0212	5.2900e-003	2.6900e-003	7.9800e-003		82.6353	82.6353	6.7600e-003		82.8044
Worker	0.0530	0.0409	0.4529	1.2500e-003	0.1150	8.0000e-004	0.1158	0.0305	7.3000e-004	0.0312		124.3906	124.3906	4.1400e-003		124.4941
Total	0.0675	0.4172	0.5524	2.0200e-003	0.1333	3.6100e-003	0.1369	0.0358	3.4200e-003	0.0392		207.0259	207.0259	0.0109		207.2985

Mountain Empire 26, M - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947		2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902

Mountain Empire 26, M - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902

Mountain Empire 26, M - San Diego County, Summer

3.5 Paving - 2018**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902

Mountain Empire 26, M - San Diego County, Summer

3.5 Paving - 2018**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902

Mountain Empire 26, M - San Diego County, Summer

3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231
Total	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231

Mountain Empire 26, M - San Diego County, Summer

3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231
Total	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231

Mountain Empire 26, M - San Diego County, Summer

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882

Mountain Empire 26, M - San Diego County, Summer

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882

4.0 Operational Detail - Mobile

Mountain Empire 26, M - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2555	1.3090	3.5028	0.0176	2.1250	6.1100e-003	2.1311	0.5679	5.6900e-003	0.5736		1,811.645 1	1,811.645 1	0.0795		1,813.632 3
Unmitigated	0.2555	1.3090	3.5028	0.0176	2.1250	6.1100e-003	2.1311	0.5679	5.6900e-003	0.5736		1,811.645 1	1,811.645 1	0.0795		1,813.632 3

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	260.00	270.66	235.30	954,749	954,749
Total	260.00	270.66	235.30	954,749	954,749

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	16.80	7.10	7.90	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

Mountain Empire 26, M - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
NaturalGas Unmitigated	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962

Mountain Empire 26, M - San Diego County, Summer

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	2029.61	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
Total		0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2.02961	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
Total		0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962

6.0 Area Detail**6.1 Mitigation Measures Area**

Mountain Empire 26, M - San Diego 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	1.1961	0.4559	2.3191	2.8700e-003		0.0468	0.0468		0.0468	0.0468	0.0000	554.4506	554.4506	0.0142	0.0101	557.8144
Unmitigated	1.1961	0.4559	2.3191	2.8700e-003		0.0468	0.0468		0.0468	0.0468	0.0000	554.4506	554.4506	0.0142	0.0101	557.8144

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	0.0802					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0505	0.4313	0.1835	2.7500e-003		0.0349	0.0349		0.0349	0.0349	0.0000	550.5882	550.5882	0.0106	0.0101	553.8601
Landscaping	0.0639	0.0247	2.1356	1.1000e-004		0.0119	0.0119		0.0119	0.0119		3.8624	3.8624	3.6800e-003		3.9543
Total	1.1961	0.4559	2.3191	2.8600e-003		0.0468	0.0468		0.0468	0.0468	0.0000	554.4506	554.4506	0.0142	0.0101	557.8144

Mountain Empire 26, M - San Diego 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	0.0802					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0505	0.4313	0.1835	2.7500e-003		0.0349	0.0349		0.0349	0.0349	0.0000	550.5882	550.5882	0.0106	0.0101	553.8601
Landscaping	0.0639	0.0247	2.1356	1.1000e-004		0.0119	0.0119		0.0119	0.0119		3.8624	3.8624	3.6800e-003		3.9543
Total	1.1961	0.4559	2.3191	2.8600e-003		0.0468	0.0468		0.0468	0.0468	0.0000	554.4506	554.4506	0.0142	0.0101	557.8144

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Mountain Empire 26, M - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Mountain Empire 26, UM - San Diego County, Winter

Mountain Empire 26, UM

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	26.00	Dwelling Unit	8.44	46,800.00	74

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Mountain Empire 26, UM - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	2/22/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/28/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	2/9/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/25/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/26/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/10/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/29/2018
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

Mountain Empire 26, UM - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6852	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.0841	4,065.0841	1.2006	0.0000	4,095.1000
2019	14.9210	15.3126	15.2964	0.0247	0.1916	0.8259	1.0175	0.0508	0.7598	0.8106	0.0000	2,445.6766	2,445.6766	0.7200	0.0000	2,463.6758
Maximum	14.9210	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.0841	4,065.0841	1.2006	0.0000	4,095.1000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6852	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.0841	4,065.0841	1.2006	0.0000	4,095.1000
2019	14.9210	15.3126	15.2964	0.0247	0.1916	0.8259	1.0175	0.0508	0.7598	0.8106	0.0000	2,445.6766	2,445.6766	0.7200	0.0000	2,463.6758
Maximum	14.9210	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.0841	4,065.0841	1.2006	0.0000	4,095.1000

[illegible]

Mountain Empire 26, UM - San Diego 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	40.9359	0.8017	51.2524	0.0891		6.8985	6.8985		6.8985	6.8985	722.0650	306.6859	1,028.7509	0.6700	0.0568	1,062.4266
Energy	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
Mobile	0.2503	1.3329	3.3810	0.0168	2.1250	6.1100e-003	2.1311	0.5679	5.7000e-003	0.5736		1,726.6946	1,726.6946	0.0797		1,728.6866
Total	41.2081	2.3216	54.7129	0.1070	2.1250	6.9198	9.0448	0.5679	6.9194	7.4873	722.0650	2,272.1577	2,994.2227	0.7543	0.0612	3,031.3094

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	40.9359	0.8017	51.2524	0.0891		6.8985	6.8985		6.8985	6.8985	722.0650	306.6859	1,028.7509	0.6700	0.0568	1,062.4266
Energy	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
Mobile	0.2503	1.3329	3.3810	0.0168	2.1250	6.1100e-003	2.1311	0.5679	5.7000e-003	0.5736		1,726.6946	1,726.6946	0.0797		1,728.6866
Total	41.2081	2.3216	54.7129	0.1070	2.1250	6.9198	9.0448	0.5679	6.9194	7.4873	722.0650	2,272.1577	2,994.2227	0.7543	0.0612	3,031.3094

Mountain Empire 26, UM - San Diego 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	Architectural Coating	Architectural Coating	1/26/2019	2/22/2019	5	20	
2	Building Construction	Building Construction	2/10/2018	12/28/2018	5	230	
3	Grading	Grading	1/13/2018	2/9/2018	5	20	
4	Paving	Paving	12/29/2018	1/25/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 94,770; Residential Outdoor: 31,590; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Mountain Empire 26, UM - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	1	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
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	3	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
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	9.00	3.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Mountain Empire 26, UM - San Diego County, Winter

3.2 Architectural Coating - 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					
Archit. Coating	14.6420					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	14.9084	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	0.0126	9.1300e-003	0.0842	2.5000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		25.1566	25.1566	7.8000e-004		25.1761
Total	0.0126	9.1300e-003	0.0842	2.5000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		25.1566	25.1566	7.8000e-004		25.1761

Mountain Empire 26, UM - San Diego County, Winter

3.2 Architectural Coating - 2019**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	14.6420					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	14.9084	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	0.0126	9.1300e-003	0.0842	2.5000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		25.1566	25.1566	7.8000e-004		25.1761
Total	0.0126	9.1300e-003	0.0842	2.5000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		25.1566	25.1566	7.8000e-004		25.1761

Mountain Empire 26, UM - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0151	0.3763	0.1107	7.5000e-004	0.0184	2.8600e-003	0.0212	5.2900e-003	2.7400e-003	8.0300e-003		80.3878	80.3878	7.2200e-003		80.5683
Worker	0.0612	0.0459	0.4209	1.1700e-003	0.1150	8.0000e-004	0.1158	0.0305	7.3000e-004	0.0312		116.7301	116.7301	3.9000e-003		116.8276
Total	0.0764	0.4222	0.5316	1.9200e-003	0.1333	3.6600e-003	0.1370	0.0358	3.4700e-003	0.0393		197.1179	197.1179	0.0111		197.3959

Mountain Empire 26, UM - San Diego County, Winter

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0151	0.3763	0.1107	7.5000e-004	0.0184	2.8600e-003	0.0212	5.2900e-003	2.7400e-003	8.0300e-003		80.3878	80.3878	7.2200e-003		80.5683
Worker	0.0612	0.0459	0.4209	1.1700e-003	0.1150	8.0000e-004	0.1158	0.0305	7.3000e-004	0.0312		116.7301	116.7301	3.9000e-003		116.8276
Total	0.0764	0.4222	0.5316	1.9200e-003	0.1333	3.6600e-003	0.1370	0.0358	3.4700e-003	0.0393		197.1179	197.1179	0.0111		197.3959

Mountain Empire 26, UM - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947		2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

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3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

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3.5 Paving - 2018**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

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3.5 Paving - 2018**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

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3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210
Total	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210

Mountain Empire 26, UM - San Diego County, Winter

3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210
Total	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210

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3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553

Mountain Empire 26, UM - San Diego County, Winter

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553

4.0 Operational Detail - Mobile

Mountain Empire 26, UM - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2503	1.3329	3.3810	0.0168	2.1250	6.1100e-003	2.1311	0.5679	5.7000e-003	0.5736		1,726.6946	1,726.6946	0.0797		1,728.6866
Unmitigated	0.2503	1.3329	3.3810	0.0168	2.1250	6.1100e-003	2.1311	0.5679	5.7000e-003	0.5736		1,726.6946	1,726.6946	0.0797		1,728.6866

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	260.00	270.66	235.30	954,749	954,749
Total	260.00	270.66	235.30	954,749	954,749

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	16.80	7.10	7.90	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
NaturalGas Unmitigated	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962

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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	2029.61	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
Total		0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2.02961	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
Total		0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962

6.0 Area Detail**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	40.9359	0.8017	51.2524	0.0891		6.8985	6.8985		6.8985	6.8985	722.0650	306.6859	1,028.7509	0.6700	0.0568	1,062.4266
Unmitigated	40.9359	0.8017	51.2524	0.0891		6.8985	6.8985		6.8985	6.8985	722.0650	306.6859	1,028.7509	0.6700	0.0568	1,062.4266

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	0.0802					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	39.7903	0.7771	49.1168	0.0890		6.8866	6.8866		6.8866	6.8866	722.0650	302.8235	1,024.8885	0.6664	0.0568	1,058.4724
Landscaping	0.0639	0.0247	2.1356	1.1000e-004		0.0119	0.0119		0.0119	0.0119		3.8624	3.8624	3.6800e-003		3.9543
Total	40.9359	0.8017	51.2524	0.0891		6.8985	6.8985		6.8985	6.8985	722.0650	306.6859	1,028.7509	0.6700	0.0568	1,062.4266

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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	0.0802					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	39.7903	0.7771	49.1168	0.0890		6.8866	6.8866		6.8866	6.8866	722.0650	302.8235	1,024.8885	0.6664	0.0568	1,058.4724
Landscaping	0.0639	0.0247	2.1356	1.1000e-004		0.0119	0.0119		0.0119	0.0119		3.8624	3.8624	3.6800e-003		3.9543
Total	40.9359	0.8017	51.2524	0.0891		6.8985	6.8985		6.8985	6.8985	722.0650	306.6859	1,028.7509	0.6700	0.0568	1,062.4266

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Mountain Empire 26, UM - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Mountain Empire 26, M - San Diego County, Winter

Mountain Empire 26, M

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	26.00	Dwelling Unit	8.44	46,800.00	74

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00

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tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	2/22/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/28/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	2/9/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/25/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/26/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/10/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/29/2018
tblFireplaces	NumberGas	14.30	26.00
tblFireplaces	NumberNoFireplace	2.60	0.00
tblFireplaces	NumberWood	9.10	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	1.30	0.00

Mountain Empire 26, M - San Diego County, Winter

tblWoodstoves	:	NumberNoncatalytic	:	1.30	:	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6852	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.084 1	4,065.084 1	1.2006	0.0000	4,095.100 0
2019	14.9210	15.3126	15.2964	0.0247	0.1916	0.8259	1.0175	0.0508	0.7598	0.8106	0.0000	2,445.676 6	2,445.676 6	0.7200	0.0000	2,463.675 8
Maximum	14.9210	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.084 1	4,065.084 1	1.2006	0.0000	4,095.100 0

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6852	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.084 1	4,065.084 1	1.2006	0.0000	4,095.100 0
2019	14.9210	15.3126	15.2964	0.0247	0.1916	0.8259	1.0175	0.0508	0.7598	0.8106	0.0000	2,445.676 6	2,445.676 6	0.7200	0.0000	2,463.675 8
Maximum	14.9210	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.084 1	4,065.084 1	1.2006	0.0000	4,095.100 0

Mountain Empire 26, M - San Diego County, Winter

[illegible]

Mountain Empire 26, M - San Diego 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	1.1961	0.4559	2.3191	2.8700e-003		0.0468	0.0468		0.0468	0.0468	0.0000	554.4506	554.4506	0.0142	0.0101	557.8144
Energy	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
Mobile	0.2503	1.3329	3.3810	0.0168	2.1250	6.1100e-003	2.1311	0.5679	5.7000e-003	0.5736		1,726.6946	1,726.6946	0.0797		1,728.6866
Total	1.4683	1.9759	5.7797	0.0208	2.1250	0.0680	2.1930	0.5679	0.0676	0.6355	0.0000	2,519.9225	2,519.9225	0.0985	0.0145	2,526.6971

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1961	0.4559	2.3191	2.8700e-003		0.0468	0.0468		0.0468	0.0468	0.0000	554.4506	554.4506	0.0142	0.0101	557.8144
Energy	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
Mobile	0.2503	1.3329	3.3810	0.0168	2.1250	6.1100e-003	2.1311	0.5679	5.7000e-003	0.5736		1,726.6946	1,726.6946	0.0797		1,728.6866
Total	1.4683	1.9759	5.7797	0.0208	2.1250	0.0680	2.1930	0.5679	0.0676	0.6355	0.0000	2,519.9225	2,519.9225	0.0985	0.0145	2,526.6971

Mountain Empire 26, M - San Diego 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	Architectural Coating	Architectural Coating	1/26/2019	2/22/2019	5	20	
2	Building Construction	Building Construction	2/10/2018	12/28/2018	5	230	
3	Grading	Grading	1/13/2018	2/9/2018	5	20	
4	Paving	Paving	12/29/2018	1/25/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 94,770; Residential Outdoor: 31,590; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Mountain Empire 26, M - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	1	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
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	3	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
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	9.00	3.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Mountain Empire 26, M - San Diego County, Winter

3.2 Architectural Coating - 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					
Archit. Coating	14.6420					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	14.9084	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	0.0126	9.1300e-003	0.0842	2.5000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		25.1566	25.1566	7.8000e-004		25.1761
Total	0.0126	9.1300e-003	0.0842	2.5000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		25.1566	25.1566	7.8000e-004		25.1761

Mountain Empire 26, M - San Diego County, Winter

3.2 Architectural Coating - 2019**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	14.6420					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	14.9084	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	0.0126	9.1300e-003	0.0842	2.5000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		25.1566	25.1566	7.8000e-004		25.1761
Total	0.0126	9.1300e-003	0.0842	2.5000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		25.1566	25.1566	7.8000e-004		25.1761

Mountain Empire 26, M - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0151	0.3763	0.1107	7.5000e-004	0.0184	2.8600e-003	0.0212	5.2900e-003	2.7400e-003	8.0300e-003		80.3878	80.3878	7.2200e-003		80.5683
Worker	0.0612	0.0459	0.4209	1.1700e-003	0.1150	8.0000e-004	0.1158	0.0305	7.3000e-004	0.0312		116.7301	116.7301	3.9000e-003		116.8276
Total	0.0764	0.4222	0.5316	1.9200e-003	0.1333	3.6600e-003	0.1370	0.0358	3.4700e-003	0.0393		197.1179	197.1179	0.0111		197.3959

Mountain Empire 26, M - San Diego County, Winter

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0151	0.3763	0.1107	7.5000e-004	0.0184	2.8600e-003	0.0212	5.2900e-003	2.7400e-003	8.0300e-003		80.3878	80.3878	7.2200e-003		80.5683
Worker	0.0612	0.0459	0.4209	1.1700e-003	0.1150	8.0000e-004	0.1158	0.0305	7.3000e-004	0.0312		116.7301	116.7301	3.9000e-003		116.8276
Total	0.0764	0.4222	0.5316	1.9200e-003	0.1333	3.6600e-003	0.1370	0.0358	3.4700e-003	0.0393		197.1179	197.1179	0.0111		197.3959

Mountain Empire 26, M - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947		2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

Mountain Empire 26, M - San Diego County, Winter

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

Mountain Empire 26, M - San Diego County, Winter

3.5 Paving - 2018**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

Mountain Empire 26, M - San Diego County, Winter

3.5 Paving - 2018**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

Mountain Empire 26, M - San Diego County, Winter

3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210
Total	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210

Mountain Empire 26, M - San Diego County, Winter

3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210
Total	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210

Mountain Empire 26, M - San Diego County, Winter

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553

Mountain Empire 26, M - San Diego County, Winter

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553

4.0 Operational Detail - Mobile

Mountain Empire 26, M - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2503	1.3329	3.3810	0.0168	2.1250	6.1100e-003	2.1311	0.5679	5.7000e-003	0.5736		1,726.6946	1,726.6946	0.0797		1,728.6866
Unmitigated	0.2503	1.3329	3.3810	0.0168	2.1250	6.1100e-003	2.1311	0.5679	5.7000e-003	0.5736		1,726.6946	1,726.6946	0.0797		1,728.6866

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	260.00	270.66	235.30	954,749	954,749
Total	260.00	270.66	235.30	954,749	954,749

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	16.80	7.10	7.90	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

Mountain Empire 26, M - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
NaturalGas Unmitigated	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962

Mountain Empire 26, M - San Diego County, Winter

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	2029.61	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
Total		0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2.02961	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
Total		0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962

6.0 Area Detail**6.1 Mitigation Measures Area**

Mountain Empire 26, M - San Diego 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	1.1961	0.4559	2.3191	2.8700e-003		0.0468	0.0468		0.0468	0.0468	0.0000	554.4506	554.4506	0.0142	0.0101	557.8144
Unmitigated	1.1961	0.4559	2.3191	2.8700e-003		0.0468	0.0468		0.0468	0.0468	0.0000	554.4506	554.4506	0.0142	0.0101	557.8144

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	0.0802					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0505	0.4313	0.1835	2.7500e-003		0.0349	0.0349		0.0349	0.0349	0.0000	550.5882	550.5882	0.0106	0.0101	553.8601
Landscaping	0.0639	0.0247	2.1356	1.1000e-004		0.0119	0.0119		0.0119	0.0119		3.8624	3.8624	3.6800e-003		3.9543
Total	1.1961	0.4559	2.3191	2.8600e-003		0.0468	0.0468		0.0468	0.0468	0.0000	554.4506	554.4506	0.0142	0.0101	557.8144

Mountain Empire 26, M - San Diego 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	0.0802					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0505	0.4313	0.1835	2.7500e-003		0.0349	0.0349		0.0349	0.0349	0.0000	550.5882	550.5882	0.0106	0.0101	553.8601
Landscaping	0.0639	0.0247	2.1356	1.1000e-004		0.0119	0.0119		0.0119	0.0119		3.8624	3.8624	3.6800e-003		3.9543
Total	1.1961	0.4559	2.3191	2.8600e-003		0.0468	0.0468		0.0468	0.0468	0.0000	554.4506	554.4506	0.0142	0.0101	557.8144

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Mountain Empire 26, M - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Mountain Empire 30A, UM - San Diego County, Summer

Mountain Empire 30A, UM

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	29.00	Dwelling Unit	9.42	52,200.00	83

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Mountain Empire 30A, UM - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	2/22/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/28/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	2/9/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/25/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/26/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/10/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/29/2018
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

Mountain Empire 30A, UM - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6687	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.4050	4,080.4050	1.2011	0.0000	4,110.4330
2019	16.6087	15.3051	15.3472	0.0248	0.1916	0.8259	1.0175	0.0508	0.7598	0.8106	0.0000	2,458.0692	2,458.0692	0.7203	0.0000	2,476.0778
Maximum	16.6087	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.4050	4,080.4050	1.2011	0.0000	4,110.4330

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6687	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.4050	4,080.4050	1.2011	0.0000	4,110.4330
2019	16.6087	15.3051	15.3472	0.0248	0.1916	0.8259	1.0175	0.0508	0.7598	0.8106	0.0000	2,458.0692	2,458.0692	0.7203	0.0000	2,476.0778
Maximum	16.6087	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.4050	4,080.4050	1.2011	0.0000	4,110.4330

[illegible]

Mountain Empire 30A, UM - San Diego 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	45.6593	0.8942	57.1661	0.0994		7.6945	7.6945		7.6945	7.6945	805.3802	342.0727	1,147.4529	0.7473	0.0634	1,185.0143
Energy	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
Mobile	0.2850	1.4600	3.9069	0.0196	2.3702	6.8100e-003	2.3770	0.6335	6.3400e-003	0.6398		2,020.6811	2,020.6811	0.0887		2,022.8976
Total	45.9687	2.5629	61.1618	0.1203	2.3702	7.7182	10.0884	0.6335	7.7177	8.3512	805.3802	2,629.0823	3,434.4624	0.8411	0.0682	3,475.8230

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	45.6593	0.8942	57.1661	0.0994		7.6945	7.6945		7.6945	7.6945	805.3802	342.0727	1,147.4529	0.7473	0.0634	1,185.0143
Energy	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
Mobile	0.2850	1.4600	3.9069	0.0196	2.3702	6.8100e-003	2.3770	0.6335	6.3400e-003	0.6398		2,020.6811	2,020.6811	0.0887		2,022.8976
Total	45.9687	2.5629	61.1618	0.1203	2.3702	7.7182	10.0884	0.6335	7.7177	8.3512	805.3802	2,629.0823	3,434.4624	0.8411	0.0682	3,475.8230

Mountain Empire 30A, UM - San Diego 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	Architectural Coating	Architectural Coating	1/26/2019	2/22/2019	5	20	
2	Building Construction	Building Construction	2/10/2018	12/28/2018	5	230	
3	Grading	Grading	1/13/2018	2/9/2018	5	20	
4	Paving	Paving	12/29/2018	1/25/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 105,705; Residential Outdoor: 35,235; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Mountain Empire 30A, UM - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	1	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
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	3	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
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	10.00	3.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Mountain Empire 30A, UM - San Diego County, Summer

3.2 Architectural Coating - 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					
Archit. Coating	16.3314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	16.5979	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	0.0109	8.1400e-003	0.0910	2.7000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		26.8089	26.8089	8.3000e-004		26.8297
Total	0.0109	8.1400e-003	0.0910	2.7000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		26.8089	26.8089	8.3000e-004		26.8297

Mountain Empire 30A, UM - San Diego County, Summer

3.2 Architectural Coating - 2019**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	16.3314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	16.5979	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	0.0109	8.1400e-003	0.0910	2.7000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		26.8089	26.8089	8.3000e-004		26.8297
Total	0.0109	8.1400e-003	0.0910	2.7000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		26.8089	26.8089	8.3000e-004		26.8297

Mountain Empire 30A, UM - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0145	0.3763	0.0995	7.7000e-004	0.0184	2.8100e-003	0.0212	5.2900e-003	2.6900e-003	7.9800e-003		82.6353	82.6353	6.7600e-003		82.8044
Worker	0.0589	0.0455	0.5032	1.3900e-003	0.1277	8.8000e-004	0.1286	0.0339	8.2000e-004	0.0347		138.2117	138.2117	4.6000e-003		138.3268
Total	0.0734	0.4218	0.6028	2.1600e-003	0.1461	3.6900e-003	0.1498	0.0392	3.5100e-003	0.0427		220.8471	220.8471	0.0114		221.1312

Mountain Empire 30A, UM - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0145	0.3763	0.0995	7.7000e-004	0.0184	2.8100e-003	0.0212	5.2900e-003	2.6900e-003	7.9800e-003		82.6353	82.6353	6.7600e-003		82.8044
Worker	0.0589	0.0455	0.5032	1.3900e-003	0.1277	8.8000e-004	0.1286	0.0339	8.2000e-004	0.0347		138.2117	138.2117	4.6000e-003		138.3268
Total	0.0734	0.4218	0.6028	2.1600e-003	0.1461	3.6900e-003	0.1498	0.0392	3.5100e-003	0.0427		220.8471	220.8471	0.0114		221.1312

Mountain Empire 30A, UM - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947		2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902

Mountain Empire 30A, UM - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902

Mountain Empire 30A, UM - San Diego County, Summer

3.5 Paving - 2018**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902

Mountain Empire 30A, UM - San Diego County, Summer

3.5 Paving - 2018**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902

Mountain Empire 30A, UM - San Diego County, Summer

3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231
Total	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231

Mountain Empire 30A, UM - San Diego County, Summer

3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231
Total	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231

Mountain Empire 30A, UM - San Diego County, Summer

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882

Mountain Empire 30A, UM - San Diego County, Summer

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882

4.0 Operational Detail - Mobile

Mountain Empire 30A, UM - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2850	1.4600	3.9069	0.0196	2.3702	6.8100e-003	2.3770	0.6335	6.3400e-003	0.6398		2,020.681 1	2,020.681 1	0.0887		2,022.897 6
Unmitigated	0.2850	1.4600	3.9069	0.0196	2.3702	6.8100e-003	2.3770	0.6335	6.3400e-003	0.6398		2,020.681 1	2,020.681 1	0.0887		2,022.897 6

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	290.00	301.89	262.45	1,064,913	1,064,913
Total	290.00	301.89	262.45	1,064,913	1,064,913

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	16.80	7.10	7.90	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

Mountain Empire 30A, UM - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
NaturalGas Unmitigated	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111

Mountain Empire 30A, UM - San Diego County, Summer

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	2263.79	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
Total		0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2.26379	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
Total		0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111

6.0 Area Detail**6.1 Mitigation Measures Area**

Mountain Empire 30A, UM - San Diego 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	45.6593	0.8942	57.1661	0.0994		7.6945	7.6945		7.6945	7.6945	805.3802	342.0727	1,147.4529	0.7473	0.0634	1,185.0143
Unmitigated	45.6593	0.8942	57.1661	0.0994		7.6945	7.6945		7.6945	7.6945	805.3802	342.0727	1,147.4529	0.7473	0.0634	1,185.0143

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	0.0895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	44.3815	0.8667	54.7841	0.0993		7.6813	7.6813		7.6813	7.6813	805.3802	337.7647	1,143.1449	0.7432	0.0634	1,180.6038
Landscaping	0.0712	0.0275	2.3820	1.3000e-004		0.0133	0.0133		0.0133	0.0133		4.3080	4.3080	4.1000e-003		4.4105
Total	45.6593	0.8942	57.1661	0.0994		7.6945	7.6945		7.6945	7.6945	805.3802	342.0727	1,147.4529	0.7473	0.0634	1,185.0143

Mountain Empire 30A, UM - San Diego 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	0.0895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	44.3815	0.8667	54.7841	0.0993		7.6813	7.6813		7.6813	7.6813	805.3802	337.7647	1,143.1449	0.7432	0.0634	1,180.6038
Landscaping	0.0712	0.0275	2.3820	1.3000e-004		0.0133	0.0133		0.0133	0.0133		4.3080	4.3080	4.1000e-003		4.4105
Total	45.6593	0.8942	57.1661	0.0994		7.6945	7.6945		7.6945	7.6945	805.3802	342.0727	1,147.4529	0.7473	0.0634	1,185.0143

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Mountain Empire 30A, UM - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Mountain Empire 30A, M - San Diego County, Summer

Mountain Empire 30A, M

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	29.00	Dwelling Unit	9.42	52,200.00	83

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00

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tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	2/22/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/28/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	2/9/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/25/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/26/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/10/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/29/2018
tblFireplaces	NumberGas	15.95	29.00
tblFireplaces	NumberNoFireplace	2.90	0.00
tblFireplaces	NumberWood	10.15	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	1.45	0.00

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tblWoodstoves	:	NumberNoncatalytic	:	1.45	:	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6687	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.405 0	4,080.405 0	1.2011	0.0000	4,110.433 0
2019	16.6087	15.3051	15.3472	0.0248	0.1916	0.8259	1.0175	0.0508	0.7598	0.8106	0.0000	2,458.069 2	2,458.069 2	0.7203	0.0000	2,476.077 8
Maximum	16.6087	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.405 0	4,080.405 0	1.2011	0.0000	4,110.433 0

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6687	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.405 0	4,080.405 0	1.2011	0.0000	4,110.433 0
2019	16.6087	15.3051	15.3472	0.0248	0.1916	0.8259	1.0175	0.0508	0.7598	0.8106	0.0000	2,458.069 2	2,458.069 2	0.7203	0.0000	2,476.077 8
Maximum	16.6087	48.2806	23.3821	0.0405	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,080.405 0	4,080.405 0	1.2011	0.0000	4,110.433 0

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[illegible]

Mountain Empire 30A, M - San Diego 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	1.3341	0.5086	2.5867	3.2000e-003		0.0522	0.0522		0.0522	0.0522	0.0000	618.4257	618.4257	0.0159	0.0113	622.1776
Energy	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
Mobile	0.2850	1.4600	3.9069	0.0196	2.3702	6.8100e-003	2.3770	0.6335	6.3400e-003	0.6398		2,020.681 1	2,020.681 1	0.0887		2,022.897 6
Total	1.6435	2.1772	6.5824	0.0242	2.3702	0.0758	2.4461	0.6335	0.0754	0.7089	0.0000	2,905.435 2	2,905.435 2	0.1096	0.0161	2,912.986 2

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.3341	0.5086	2.5867	3.2000e-003		0.0522	0.0522		0.0522	0.0522	0.0000	618.4257	618.4257	0.0159	0.0113	622.1776
Energy	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
Mobile	0.2850	1.4600	3.9069	0.0196	2.3702	6.8100e-003	2.3770	0.6335	6.3400e-003	0.6398		2,020.681 1	2,020.681 1	0.0887		2,022.897 6
Total	1.6435	2.1772	6.5824	0.0242	2.3702	0.0758	2.4461	0.6335	0.0754	0.7089	0.0000	2,905.435 2	2,905.435 2	0.1096	0.0161	2,912.986 2

Mountain Empire 30A, M - San Diego 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	Architectural Coating	Architectural Coating	1/26/2019	2/22/2019	5	20	
2	Building Construction	Building Construction	2/10/2018	12/28/2018	5	230	
3	Grading	Grading	1/13/2018	2/9/2018	5	20	
4	Paving	Paving	12/29/2018	1/25/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 105,705; Residential Outdoor: 35,235; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Mountain Empire 30A, M - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	1	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
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	3	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
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	10.00	3.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Mountain Empire 30A, M - San Diego County, Summer

3.2 Architectural Coating - 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					
Archit. Coating	16.3314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	16.5979	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	0.0109	8.1400e-003	0.0910	2.7000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		26.8089	26.8089	8.3000e-004		26.8297
Total	0.0109	8.1400e-003	0.0910	2.7000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		26.8089	26.8089	8.3000e-004		26.8297

Mountain Empire 30A, M - San Diego County, Summer

3.2 Architectural Coating - 2019**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	16.3314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	16.5979	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	0.0109	8.1400e-003	0.0910	2.7000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		26.8089	26.8089	8.3000e-004		26.8297
Total	0.0109	8.1400e-003	0.0910	2.7000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		26.8089	26.8089	8.3000e-004		26.8297

Mountain Empire 30A, M - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0145	0.3763	0.0995	7.7000e-004	0.0184	2.8100e-003	0.0212	5.2900e-003	2.6900e-003	7.9800e-003		82.6353	82.6353	6.7600e-003		82.8044
Worker	0.0589	0.0455	0.5032	1.3900e-003	0.1277	8.8000e-004	0.1286	0.0339	8.2000e-004	0.0347		138.2117	138.2117	4.6000e-003		138.3268
Total	0.0734	0.4218	0.6028	2.1600e-003	0.1461	3.6900e-003	0.1498	0.0392	3.5100e-003	0.0427		220.8471	220.8471	0.0114		221.1312

Mountain Empire 30A, M - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0145	0.3763	0.0995	7.7000e-004	0.0184	2.8100e-003	0.0212	5.2900e-003	2.6900e-003	7.9800e-003		82.6353	82.6353	6.7600e-003		82.8044
Worker	0.0589	0.0455	0.5032	1.3900e-003	0.1277	8.8000e-004	0.1286	0.0339	8.2000e-004	0.0347		138.2117	138.2117	4.6000e-003		138.3268
Total	0.0734	0.4218	0.6028	2.1600e-003	0.1461	3.6900e-003	0.1498	0.0392	3.5100e-003	0.0427		220.8471	220.8471	0.0114		221.1312

Mountain Empire 30A, M - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947		2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902

Mountain Empire 30A, M - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902

Mountain Empire 30A, M - San Diego County, Summer

3.5 Paving - 2018**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902

Mountain Empire 30A, M - San Diego County, Summer

3.5 Paving - 2018**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902
Total	0.0883	0.0682	0.7549	2.0800e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		207.3176	207.3176	6.9000e-003		207.4902

Mountain Empire 30A, M - San Diego County, Summer

3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231
Total	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231

Mountain Empire 30A, M - San Diego County, Summer

3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231
Total	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231

Mountain Empire 30A, M - San Diego County, Summer

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882

Mountain Empire 30A, M - San Diego County, Summer

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882

4.0 Operational Detail - Mobile

Mountain Empire 30A, M - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2850	1.4600	3.9069	0.0196	2.3702	6.8100e-003	2.3770	0.6335	6.3400e-003	0.6398		2,020.681 1	2,020.681 1	0.0887		2,022.897 6
Unmitigated	0.2850	1.4600	3.9069	0.0196	2.3702	6.8100e-003	2.3770	0.6335	6.3400e-003	0.6398		2,020.681 1	2,020.681 1	0.0887		2,022.897 6

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	290.00	301.89	262.45	1,064,913	1,064,913
Total	290.00	301.89	262.45	1,064,913	1,064,913

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	16.80	7.10	7.90	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

Mountain Empire 30A, M - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
NaturalGas Unmitigated	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111

Mountain Empire 30A, M - San Diego County, Summer

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	2263.79	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
Total		0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2.26379	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
Total		0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111

6.0 Area Detail**6.1 Mitigation Measures Area**

Mountain Empire 30A, M - San Diego 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	1.3341	0.5086	2.5867	3.2000e-003		0.0522	0.0522		0.0522	0.0522	0.0000	618.4257	618.4257	0.0159	0.0113	622.1776
Unmitigated	1.3341	0.5086	2.5867	3.2000e-003		0.0522	0.0522		0.0522	0.0522	0.0000	618.4257	618.4257	0.0159	0.0113	622.1776

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	0.0895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0563	0.4811	0.2047	3.0700e-003		0.0389	0.0389		0.0389	0.0389	0.0000	614.1177	614.1177	0.0118	0.0113	617.7670
Landscaping	0.0712	0.0275	2.3820	1.3000e-004		0.0133	0.0133		0.0133	0.0133		4.3080	4.3080	4.1000e-003		4.4105
Total	1.3341	0.5086	2.5867	3.2000e-003		0.0522	0.0522		0.0522	0.0522	0.0000	618.4257	618.4257	0.0159	0.0113	622.1776

Mountain Empire 30A, M - San Diego 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	0.0895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0563	0.4811	0.2047	3.0700e-003		0.0389	0.0389		0.0389	0.0389	0.0000	614.1177	614.1177	0.0118	0.0113	617.7670
Landscaping	0.0712	0.0275	2.3820	1.3000e-004		0.0133	0.0133		0.0133	0.0133		4.3080	4.3080	4.1000e-003		4.4105
Total	1.3341	0.5086	2.5867	3.2000e-003		0.0522	0.0522		0.0522	0.0522	0.0000	618.4257	618.4257	0.0159	0.0113	622.1776

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Mountain Empire 30A, M - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Mountain Empire 30A, UM - San Diego County, Winter

Mountain Empire 30A, UM

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	29.00	Dwelling Unit	9.42	52,200.00	83

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Mountain Empire 30A, UM - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	2/22/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/28/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	2/9/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/25/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/26/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/10/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/29/2018
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

Mountain Empire 30A, UM - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6852	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.0841	4,065.0841	1.2006	0.0000	4,095.1000
2019	16.6104	15.3126	15.2964	0.0247	0.1916	0.8259	1.0175	0.0508	0.7598	0.8106	0.0000	2,445.6766	2,445.6766	0.7200	0.0000	2,463.6758
Maximum	16.6104	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.0841	4,065.0841	1.2006	0.0000	4,095.1000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6852	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.0841	4,065.0841	1.2006	0.0000	4,095.1000
2019	16.6104	15.3126	15.2964	0.0247	0.1916	0.8259	1.0175	0.0508	0.7598	0.8106	0.0000	2,445.6766	2,445.6766	0.7200	0.0000	2,463.6758
Maximum	16.6104	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.0841	4,065.0841	1.2006	0.0000	4,095.1000

[illegible]

Mountain Empire 30A, UM - San Diego 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	45.6593	0.8942	57.1661	0.0994		7.6945	7.6945		7.6945	7.6945	805.3802	342.0727	1,147.4529	0.7473	0.0634	1,185.0143
Energy	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
Mobile	0.2792	1.4867	3.7711	0.0187	2.3702	6.8200e-003	2.3770	0.6335	6.3500e-003	0.6398		1,925.9286	1,925.9286	0.0889		1,928.1505
Total	45.9629	2.5895	61.0260	0.1194	2.3702	7.7182	10.0884	0.6335	7.7177	8.3512	805.3802	2,534.3298	3,339.7100	0.8413	0.0682	3,381.0759

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	45.6593	0.8942	57.1661	0.0994		7.6945	7.6945		7.6945	7.6945	805.3802	342.0727	1,147.4529	0.7473	0.0634	1,185.0143
Energy	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
Mobile	0.2792	1.4867	3.7711	0.0187	2.3702	6.8200e-003	2.3770	0.6335	6.3500e-003	0.6398		1,925.9286	1,925.9286	0.0889		1,928.1505
Total	45.9629	2.5895	61.0260	0.1194	2.3702	7.7182	10.0884	0.6335	7.7177	8.3512	805.3802	2,534.3298	3,339.7100	0.8413	0.0682	3,381.0759

Mountain Empire 30A, UM - San Diego 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	Architectural Coating	Architectural Coating	1/26/2019	2/22/2019	5	20	
2	Building Construction	Building Construction	2/10/2018	12/28/2018	5	230	
3	Grading	Grading	1/13/2018	2/9/2018	5	20	
4	Paving	Paving	12/29/2018	1/25/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 105,705; Residential Outdoor: 35,235; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Mountain Empire 30A, UM - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	1	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
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	3	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
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	10.00	3.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Mountain Empire 30A, UM - San Diego County, Winter

3.2 Architectural Coating - 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					
Archit. Coating	16.3314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	16.5979	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	0.0126	9.1300e-003	0.0842	2.5000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		25.1566	25.1566	7.8000e-004		25.1761
Total	0.0126	9.1300e-003	0.0842	2.5000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		25.1566	25.1566	7.8000e-004		25.1761

Mountain Empire 30A, UM - San Diego County, Winter

3.2 Architectural Coating - 2019**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	16.3314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	16.5979	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	0.0126	9.1300e-003	0.0842	2.5000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		25.1566	25.1566	7.8000e-004		25.1761
Total	0.0126	9.1300e-003	0.0842	2.5000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		25.1566	25.1566	7.8000e-004		25.1761

Mountain Empire 30A, UM - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0151	0.3763	0.1107	7.5000e-004	0.0184	2.8600e-003	0.0212	5.2900e-003	2.7400e-003	8.0300e-003		80.3878	80.3878	7.2200e-003		80.5683
Worker	0.0680	0.0511	0.4677	1.3000e-003	0.1277	8.8000e-004	0.1286	0.0339	8.2000e-004	0.0347		129.7001	129.7001	4.3300e-003		129.8085
Total	0.0832	0.4273	0.5784	2.0500e-003	0.1461	3.7400e-003	0.1498	0.0392	3.5600e-003	0.0427		210.0879	210.0879	0.0116		210.3767

Mountain Empire 30A, UM - San Diego County, Winter

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0151	0.3763	0.1107	7.5000e-004	0.0184	2.8600e-003	0.0212	5.2900e-003	2.7400e-003	8.0300e-003		80.3878	80.3878	7.2200e-003		80.5683
Worker	0.0680	0.0511	0.4677	1.3000e-003	0.1277	8.8000e-004	0.1286	0.0339	8.2000e-004	0.0347		129.7001	129.7001	4.3300e-003		129.8085
Total	0.0832	0.4273	0.5784	2.0500e-003	0.1461	3.7400e-003	0.1498	0.0392	3.5600e-003	0.0427		210.0879	210.0879	0.0116		210.3767

Mountain Empire 30A, UM - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947		2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

Mountain Empire 30A, UM - San Diego County, Winter

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

Mountain Empire 30A, UM - San Diego County, Winter

3.5 Paving - 2018**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

Mountain Empire 30A, UM - San Diego County, Winter

3.5 Paving - 2018**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

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3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210
Total	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210

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3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210
Total	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210

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3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553

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3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553

4.0 Operational Detail - Mobile

Mountain Empire 30A, UM - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2792	1.4867	3.7711	0.0187	2.3702	6.8200e-003	2.3770	0.6335	6.3500e-003	0.6398		1,925.9286	1,925.9286	0.0889		1,928.1505
Unmitigated	0.2792	1.4867	3.7711	0.0187	2.3702	6.8200e-003	2.3770	0.6335	6.3500e-003	0.6398		1,925.9286	1,925.9286	0.0889		1,928.1505

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	290.00	301.89	262.45	1,064,913	1,064,913
Total	290.00	301.89	262.45	1,064,913	1,064,913

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	16.80	7.10	7.90	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

Mountain Empire 30A, UM - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
NaturalGas Unmitigated	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111

Mountain Empire 30A, UM - San Diego County, Winter

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	2263.79	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
Total		0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2.26379	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
Total		0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111

6.0 Area Detail**6.1 Mitigation Measures Area**

Mountain Empire 30A, UM - San Diego 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	45.6593	0.8942	57.1661	0.0994		7.6945	7.6945		7.6945	7.6945	805.3802	342.0727	1,147.4529	0.7473	0.0634	1,185.0143
Unmitigated	45.6593	0.8942	57.1661	0.0994		7.6945	7.6945		7.6945	7.6945	805.3802	342.0727	1,147.4529	0.7473	0.0634	1,185.0143

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	0.0895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	44.3815	0.8667	54.7841	0.0993		7.6813	7.6813		7.6813	7.6813	805.3802	337.7647	1,143.1449	0.7432	0.0634	1,180.6038
Landscaping	0.0712	0.0275	2.3820	1.3000e-004		0.0133	0.0133		0.0133	0.0133		4.3080	4.3080	4.1000e-003		4.4105
Total	45.6593	0.8942	57.1661	0.0994		7.6945	7.6945		7.6945	7.6945	805.3802	342.0727	1,147.4529	0.7473	0.0634	1,185.0143

Mountain Empire 30A, UM - San Diego 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	0.0895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	44.3815	0.8667	54.7841	0.0993		7.6813	7.6813		7.6813	7.6813	805.3802	337.7647	1,143.1449	0.7432	0.0634	1,180.6038
Landscaping	0.0712	0.0275	2.3820	1.3000e-004		0.0133	0.0133		0.0133	0.0133		4.3080	4.3080	4.1000e-003		4.4105
Total	45.6593	0.8942	57.1661	0.0994		7.6945	7.6945		7.6945	7.6945	805.3802	342.0727	1,147.4529	0.7473	0.0634	1,185.0143

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Mountain Empire 30A, UM - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Mountain Empire 30A, M - San Diego County, Winter

Mountain Empire 30A, M

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	29.00	Dwelling Unit	9.42	52,200.00	83

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00

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tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	2/22/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/28/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	2/9/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/25/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/26/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/10/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/29/2018
tblFireplaces	NumberGas	15.95	29.00
tblFireplaces	NumberNoFireplace	2.90	0.00
tblFireplaces	NumberWood	10.15	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	1.45	0.00

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tblWoodstoves	:	NumberNoncatalytic	:	1.45	:	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6852	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.084 1	4,065.084 1	1.2006	0.0000	4,095.100 0
2019	16.6104	15.3126	15.2964	0.0247	0.1916	0.8259	1.0175	0.0508	0.7598	0.8106	0.0000	2,445.676 6	2,445.676 6	0.7200	0.0000	2,463.675 8
Maximum	16.6104	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.084 1	4,065.084 1	1.2006	0.0000	4,095.100 0

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6852	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.084 1	4,065.084 1	1.2006	0.0000	4,095.100 0
2019	16.6104	15.3126	15.2964	0.0247	0.1916	0.8259	1.0175	0.0508	0.7598	0.8106	0.0000	2,445.676 6	2,445.676 6	0.7200	0.0000	2,463.675 8
Maximum	16.6104	48.2906	23.3181	0.0404	18.2962	2.5785	20.8747	9.9917	2.3722	12.3639	0.0000	4,065.084 1	4,065.084 1	1.2006	0.0000	4,095.100 0

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[illegible]

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2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.3341	0.5086	2.5867	3.2000e-003		0.0522	0.0522		0.0522	0.0522	0.0000	618.4257	618.4257	0.0159	0.0113	622.1776
Energy	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
Mobile	0.2792	1.4867	3.7711	0.0187	2.3702	6.8200e-003	2.3770	0.6335	6.3500e-003	0.6398		1,925.9286	1,925.9286	0.0889		1,928.1505
Total	1.6377	2.2038	6.4466	0.0232	2.3702	0.0759	2.4461	0.6335	0.0754	0.7089	0.0000	2,810.6827	2,810.6827	0.1098	0.0161	2,818.2391

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.3341	0.5086	2.5867	3.2000e-003		0.0522	0.0522		0.0522	0.0522	0.0000	618.4257	618.4257	0.0159	0.0113	622.1776
Energy	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
Mobile	0.2792	1.4867	3.7711	0.0187	2.3702	6.8200e-003	2.3770	0.6335	6.3500e-003	0.6398		1,925.9286	1,925.9286	0.0889		1,928.1505
Total	1.6377	2.2038	6.4466	0.0232	2.3702	0.0759	2.4461	0.6335	0.0754	0.7089	0.0000	2,810.6827	2,810.6827	0.1098	0.0161	2,818.2391

Mountain Empire 30A, M - San Diego 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	Architectural Coating	Architectural Coating	1/26/2019	2/22/2019	5	20	
2	Building Construction	Building Construction	2/10/2018	12/28/2018	5	230	
3	Grading	Grading	1/13/2018	2/9/2018	5	20	
4	Paving	Paving	12/29/2018	1/25/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 105,705; Residential Outdoor: 35,235; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Mountain Empire 30A, M - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	1	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
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	3	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
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	10.00	3.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Mountain Empire 30A, M - San Diego County, Winter

3.2 Architectural Coating - 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					
Archit. Coating	16.3314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	16.5979	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	0.0126	9.1300e-003	0.0842	2.5000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		25.1566	25.1566	7.8000e-004		25.1761
Total	0.0126	9.1300e-003	0.0842	2.5000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		25.1566	25.1566	7.8000e-004		25.1761

Mountain Empire 30A, M - San Diego County, Winter

3.2 Architectural Coating - 2019**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	16.3314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	16.5979	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	0.0126	9.1300e-003	0.0842	2.5000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		25.1566	25.1566	7.8000e-004		25.1761
Total	0.0126	9.1300e-003	0.0842	2.5000e-004	0.0256	1.8000e-004	0.0257	6.7700e-003	1.6000e-004	6.9400e-003		25.1566	25.1566	7.8000e-004		25.1761

Mountain Empire 30A, M - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0151	0.3763	0.1107	7.5000e-004	0.0184	2.8600e-003	0.0212	5.2900e-003	2.7400e-003	8.0300e-003		80.3878	80.3878	7.2200e-003		80.5683
Worker	0.0680	0.0511	0.4677	1.3000e-003	0.1277	8.8000e-004	0.1286	0.0339	8.2000e-004	0.0347		129.7001	129.7001	4.3300e-003		129.8085
Total	0.0832	0.4273	0.5784	2.0500e-003	0.1461	3.7400e-003	0.1498	0.0392	3.5600e-003	0.0427		210.0879	210.0879	0.0116		210.3767

Mountain Empire 30A, M - San Diego County, Winter

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0151	0.3763	0.1107	7.5000e-004	0.0184	2.8600e-003	0.0212	5.2900e-003	2.7400e-003	8.0300e-003		80.3878	80.3878	7.2200e-003		80.5683
Worker	0.0680	0.0511	0.4677	1.3000e-003	0.1277	8.8000e-004	0.1286	0.0339	8.2000e-004	0.0347		129.7001	129.7001	4.3300e-003		129.8085
Total	0.0832	0.4273	0.5784	2.0500e-003	0.1461	3.7400e-003	0.1498	0.0392	3.5600e-003	0.0427		210.0879	210.0879	0.0116		210.3767

Mountain Empire 30A, M - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947		2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

Mountain Empire 30A, M - San Diego County, Winter

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

Mountain Empire 30A, M - San Diego County, Winter

3.5 Paving - 2018**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

Mountain Empire 30A, M - San Diego County, Winter

3.5 Paving - 2018**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127
Total	0.1020	0.0766	0.7015	1.9500e-003	0.1916	1.3300e-003	0.1929	0.0508	1.2200e-003	0.0520		194.5502	194.5502	6.5000e-003		194.7127

Mountain Empire 30A, M - San Diego County, Winter

3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210
Total	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210

Mountain Empire 30A, M - San Diego County, Winter

3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210
Total	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210

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3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553

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3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553

4.0 Operational Detail - Mobile

Mountain Empire 30A, M - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2792	1.4867	3.7711	0.0187	2.3702	6.8200e-003	2.3770	0.6335	6.3500e-003	0.6398		1,925.9286	1,925.9286	0.0889		1,928.1505
Unmitigated	0.2792	1.4867	3.7711	0.0187	2.3702	6.8200e-003	2.3770	0.6335	6.3500e-003	0.6398		1,925.9286	1,925.9286	0.0889		1,928.1505

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	290.00	301.89	262.45	1,064,913	1,064,913
Total	290.00	301.89	262.45	1,064,913	1,064,913

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	16.80	7.10	7.90	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

Mountain Empire 30A, M - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
NaturalGas Unmitigated	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111

Mountain Empire 30A, M - San Diego County, Winter

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	2263.79	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
Total		0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2.26379	0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
Total		0.0244	0.2086	0.0888	1.3300e-003		0.0169	0.0169		0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111

6.0 Area Detail**6.1 Mitigation Measures Area**

Mountain Empire 30A, M - San Diego 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	1.3341	0.5086	2.5867	3.2000e-003		0.0522	0.0522		0.0522	0.0522	0.0000	618.4257	618.4257	0.0159	0.0113	622.1776
Unmitigated	1.3341	0.5086	2.5867	3.2000e-003		0.0522	0.0522		0.0522	0.0522	0.0000	618.4257	618.4257	0.0159	0.0113	622.1776

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	0.0895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0563	0.4811	0.2047	3.0700e-003		0.0389	0.0389		0.0389	0.0389	0.0000	614.1177	614.1177	0.0118	0.0113	617.7670
Landscaping	0.0712	0.0275	2.3820	1.3000e-004		0.0133	0.0133		0.0133	0.0133		4.3080	4.3080	4.1000e-003		4.4105
Total	1.3341	0.5086	2.5867	3.2000e-003		0.0522	0.0522		0.0522	0.0522	0.0000	618.4257	618.4257	0.0159	0.0113	622.1776

Mountain Empire 30A, M - San Diego 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	0.0895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0563	0.4811	0.2047	3.0700e-003		0.0389	0.0389		0.0389	0.0389	0.0000	614.1177	614.1177	0.0118	0.0113	617.7670
Landscaping	0.0712	0.0275	2.3820	1.3000e-004		0.0133	0.0133		0.0133	0.0133		4.3080	4.3080	4.1000e-003		4.4105
Total	1.3341	0.5086	2.5867	3.2000e-003		0.0522	0.0522		0.0522	0.0522	0.0000	618.4257	618.4257	0.0159	0.0113	622.1776

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Mountain Empire 30A, M - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 3A, UM - San Diego County, Summer

North County 3A, UM
San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	11.00	Dwelling Unit	3.57	19,800.00	31

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

North County 3A, UM - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	1/24/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/5/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/17/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	12/31/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/5/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/1/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	1/18/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/6/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/6/2018
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

North County 3A, UM - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6393	48.2539	23.0925	0.0397	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,993.1243	3,993.1243	1.1984	0.0000	4,023.0834
2019	7.1534	1.8381	1.8723	3.0600e-003	8.2100e-003	0.1288	0.1370	2.1800e-003	0.1288	0.1310	0.0000	290.1501	290.1501	0.0241	0.0000	290.7513
Maximum	7.1534	48.2539	23.0925	0.0397	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,993.1243	3,993.1243	1.1984	0.0000	4,023.0834

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6393	48.2539	23.0925	0.0397	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,993.1243	3,993.1243	1.1984	0.0000	4,023.0834
2019	7.1534	1.8381	1.8723	3.0600e-003	8.2100e-003	0.1288	0.1370	2.1800e-003	0.1288	0.1310	0.0000	290.1501	290.1501	0.0241	0.0000	290.7513
Maximum	7.1534	48.2539	23.0925	0.0397	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,993.1243	3,993.1243	1.1984	0.0000	4,023.0834

[illegible]

North County 3A, UM - San Diego 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	17.3190	0.3392	21.6837	0.0377		2.9186	2.9186		2.9186	2.9186	305.4890	129.7517	435.2408	0.2835	0.0240	449.4882
Energy	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
Mobile	0.0934	0.4981	1.1887	5.8400e-003	0.6937	2.0400e-003	0.6957	0.1854	1.9000e-003	0.1873		601.5285	601.5285	0.0269		602.2015
Total	17.4245	0.9404	22.9163	0.0442	0.6937	2.9290	3.6227	0.1854	2.9289	3.1143	305.4890	862.9129	1,168.4019	0.3129	0.0264	1,184.1046

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	17.3190	0.3392	21.6837	0.0377		2.9186	2.9186		2.9186	2.9186	305.4890	129.7517	435.2408	0.2835	0.0240	449.4882
Energy	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
Mobile	0.0934	0.4981	1.1887	5.8400e-003	0.6937	2.0400e-003	0.6957	0.1854	1.9000e-003	0.1873		601.5285	601.5285	0.0269		602.2015
Total	17.4245	0.9404	22.9163	0.0442	0.6937	2.9290	3.6227	0.1854	2.9289	3.1143	305.4890	862.9129	1,168.4019	0.3129	0.0264	1,184.1046

North County 3A, UM - San Diego 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	Architectural Coating	Architectural Coating	1/1/2019	1/24/2019	5	18	
2	Building Construction	Building Construction	1/18/2018	12/5/2018	5	230	
3	Grading	Grading	1/6/2018	1/17/2018	5	8	
4	Paving	Paving	12/6/2018	12/31/2018	5	18	
5	Site Preparation	Site Preparation	1/1/2018	1/5/2018	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 40,095; Residential Outdoor: 13,365; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 3A, UM - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	4.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

North County 3A, UM - San Diego County, Summer

3.1 Mitigation Measures Construction**3.2 Architectural Coating - 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					
Archit. Coating	6.8830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	7.1494	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.9300e-003	2.7400e-003	0.0309	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7020	8.7020	2.8000e-004		8.7089
Total	3.9300e-003	2.7400e-003	0.0309	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7020	8.7020	2.8000e-004		8.7089

North County 3A, UM - San Diego County, Summer

3.2 Architectural Coating - 2019**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	6.8830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	7.1494	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.9300e-003	2.7400e-003	0.0309	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7020	8.7020	2.8000e-004		8.7089
Total	3.9300e-003	2.7400e-003	0.0309	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7020	8.7020	2.8000e-004		8.7089

North County 3A, UM - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.1600e-003	0.1318	0.0349	2.8000e-004	6.7700e-003	1.0300e-003	7.8000e-003	1.9500e-003	9.9000e-004	2.9300e-003		29.8190	29.8190	2.3600e-003		29.8781
Worker	0.0170	0.0123	0.1369	3.6000e-004	0.0329	2.4000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		35.8890	35.8890	1.2300e-003		35.9197
Total	0.0222	0.1440	0.1718	6.4000e-004	0.0396	1.2700e-003	0.0409	0.0107	1.2100e-003	0.0119		65.7080	65.7080	3.5900e-003		65.7978

North County 3A, UM - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.1600e-003	0.1318	0.0349	2.8000e-004	6.7700e-003	1.0300e-003	7.8000e-003	1.9500e-003	9.9000e-004	2.9300e-003		29.8190	29.8190	2.3600e-003		29.8781
Worker	0.0170	0.0123	0.1369	3.6000e-004	0.0329	2.4000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		35.8890	35.8890	1.2300e-003		35.9197
Total	0.0222	0.1440	0.1718	6.4000e-004	0.0396	1.2700e-003	0.0409	0.0107	1.2100e-003	0.0119		65.7080	65.7080	3.5900e-003		65.7978

North County 3A, UM - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947		2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0639	0.0460	0.5135	1.3500e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		134.5837	134.5837	4.6100e-003		134.6988
Total	0.0639	0.0460	0.5135	1.3500e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		134.5837	134.5837	4.6100e-003		134.6988

North County 3A, UM - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0639	0.0460	0.5135	1.3500e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		134.5837	134.5837	4.6100e-003		134.6988
Total	0.0639	0.0460	0.5135	1.3500e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		134.5837	134.5837	4.6100e-003		134.6988

North County 3A, UM - San Diego County, Summer

3.5 Paving - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 3A, UM - San Diego County, Summer

3.5 Paving - 2018**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	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 3A, UM - San Diego County, Summer

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

North County 3A, UM - San Diego County, Summer

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

4.0 Operational Detail - Mobile

North County 3A, UM - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0934	0.4981	1.1887	5.8400e-003	0.6937	2.0400e-003	0.6957	0.1854	1.9000e-003	0.1873		601.5285	601.5285	0.0269		602.2015
Unmitigated	0.0934	0.4981	1.1887	5.8400e-003	0.6937	2.0400e-003	0.6957	0.1854	1.9000e-003	0.1873		601.5285	601.5285	0.0269		602.2015

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	110.00	114.51	99.55	311,660	311,660
Total	110.00	114.51	99.55	311,660	311,660

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	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 3A, UM - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
NaturalGas Unmitigated	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149

North County 3A, UM - San Diego County, Summer

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	1118.88	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
Total		0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1.11888	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
Total		0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 3A, UM - San Diego 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	17.3190	0.3392	21.6837	0.0377		2.9186	2.9186		2.9186	2.9186	305.4890	129.7517	435.2408	0.2835	0.0240	449.4882
Unmitigated	17.3190	0.3392	21.6837	0.0377		2.9186	2.9186		2.9186	2.9186	305.4890	129.7517	435.2408	0.2835	0.0240	449.4882

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	0.0339					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	16.8343	0.3288	20.7802	0.0377		2.9136	2.9136		2.9136	2.9136	305.4890	128.1177	433.6067	0.2819	0.0240	447.8152
Landscaping	0.0270	0.0104	0.9035	5.0000e-005		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		1.6341	1.6341	1.5600e-003		1.6730
Total	17.3190	0.3392	21.6837	0.0377		2.9186	2.9186		2.9186	2.9186	305.4890	129.7517	435.2408	0.2835	0.0240	449.4882

North County 3A, UM - San Diego 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	0.0339					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	16.8343	0.3288	20.7802	0.0377		2.9136	2.9136		2.9136	2.9136	305.4890	128.1177	433.6067	0.2819	0.0240	447.8152
Landscaping	0.0270	0.0104	0.9035	5.0000e-005		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		1.6341	1.6341	1.5600e-003		1.6730
Total	17.3190	0.3392	21.6837	0.0377		2.9186	2.9186		2.9186	2.9186	305.4890	129.7517	435.2408	0.2835	0.0240	449.4882

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 3A, UM - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 3A, M - San Diego County, Summer

North County 3A, M

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	11.00	Dwelling Unit	3.57	19,800.00	31

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

North County 3A, M - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	1/24/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/5/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/17/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	12/31/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/5/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/1/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	1/18/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/6/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/6/2018
tblFireplaces	NumberGas	6.05	11.00
tblFireplaces	NumberNoFireplace	1.10	0.00
tblFireplaces	NumberWood	3.85	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

North County 3A, M - San Diego County, Summer

tblWoodstoves	NumberCatalytic	0.55	0.00
tblWoodstoves	NumberNoncatalytic	0.55	0.00

2.0 Emissions Summary

North County 3A, M - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6393	48.2539	23.0925	0.0397	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,993.1243	3,993.1243	1.1984	0.0000	4,023.0834
2019	7.1534	1.8381	1.8723	3.0600e-003	8.2100e-003	0.1288	0.1370	2.1800e-003	0.1288	0.1310	0.0000	290.1501	290.1501	0.0241	0.0000	290.7513
Maximum	7.1534	48.2539	23.0925	0.0397	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,993.1243	3,993.1243	1.1984	0.0000	4,023.0834

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6393	48.2539	23.0925	0.0397	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,993.1243	3,993.1243	1.1984	0.0000	4,023.0834
2019	7.1534	1.8381	1.8723	3.0600e-003	8.2100e-003	0.1288	0.1370	2.1800e-003	0.1288	0.1310	0.0000	290.1501	290.1501	0.0241	0.0000	290.7513
Maximum	7.1534	48.2539	23.0925	0.0397	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,993.1243	3,993.1243	1.1984	0.0000	4,023.0834

[illegible]

North County 3A, M - San Diego 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	0.5060	0.1929	0.9812	1.2100e-003		0.0198	0.0198		0.0198	0.0198	0.0000	234.5753	234.5753	6.0200e-003	4.2700e-003	235.9984
Energy	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
Mobile	0.0934	0.4981	1.1887	5.8400e-003	0.6937	2.0400e-003	0.6957	0.1854	1.9000e-003	0.1873		601.5285	601.5285	0.0269		602.2015
Total	0.6115	0.7941	2.2137	7.7100e-003	0.6937	0.0302	0.7239	0.1854	0.0300	0.2154	0.0000	967.7364	967.7364	0.0355	6.6800e-003	970.6148

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	0.5060	0.1929	0.9812	1.2100e-003		0.0198	0.0198		0.0198	0.0198	0.0000	234.5753	234.5753	6.0200e-003	4.2700e-003	235.9984
Energy	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
Mobile	0.0934	0.4981	1.1887	5.8400e-003	0.6937	2.0400e-003	0.6957	0.1854	1.9000e-003	0.1873		601.5285	601.5285	0.0269		602.2015
Total	0.6115	0.7941	2.2137	7.7100e-003	0.6937	0.0302	0.7239	0.1854	0.0300	0.2154	0.0000	967.7364	967.7364	0.0355	6.6800e-003	970.6148

North County 3A, M - San Diego 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	Architectural Coating	Architectural Coating	1/1/2019	1/24/2019	5	18	
2	Building Construction	Building Construction	1/18/2018	12/5/2018	5	230	
3	Grading	Grading	1/6/2018	1/17/2018	5	8	
4	Paving	Paving	12/6/2018	12/31/2018	5	18	
5	Site Preparation	Site Preparation	1/1/2018	1/5/2018	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 40,095; Residential Outdoor: 13,365; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 3A, M - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	4.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

North County 3A, M - San Diego County, Summer

3.1 Mitigation Measures Construction**3.2 Architectural Coating - 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					
Archit. Coating	6.8830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	7.1494	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.9300e-003	2.7400e-003	0.0309	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7020	8.7020	2.8000e-004		8.7089
Total	3.9300e-003	2.7400e-003	0.0309	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7020	8.7020	2.8000e-004		8.7089

North County 3A, M - San Diego County, Summer

3.2 Architectural Coating - 2019**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	6.8830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	7.1494	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.9300e-003	2.7400e-003	0.0309	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7020	8.7020	2.8000e-004		8.7089
Total	3.9300e-003	2.7400e-003	0.0309	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7020	8.7020	2.8000e-004		8.7089

North County 3A, M - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.1600e-003	0.1318	0.0349	2.8000e-004	6.7700e-003	1.0300e-003	7.8000e-003	1.9500e-003	9.9000e-004	2.9300e-003		29.8190	29.8190	2.3600e-003		29.8781
Worker	0.0170	0.0123	0.1369	3.6000e-004	0.0329	2.4000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		35.8890	35.8890	1.2300e-003		35.9197
Total	0.0222	0.1440	0.1718	6.4000e-004	0.0396	1.2700e-003	0.0409	0.0107	1.2100e-003	0.0119		65.7080	65.7080	3.5900e-003		65.7978

North County 3A, M - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.1600e-003	0.1318	0.0349	2.8000e-004	6.7700e-003	1.0300e-003	7.8000e-003	1.9500e-003	9.9000e-004	2.9300e-003		29.8190	29.8190	2.3600e-003		29.8781
Worker	0.0170	0.0123	0.1369	3.6000e-004	0.0329	2.4000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		35.8890	35.8890	1.2300e-003		35.9197
Total	0.0222	0.1440	0.1718	6.4000e-004	0.0396	1.2700e-003	0.0409	0.0107	1.2100e-003	0.0119		65.7080	65.7080	3.5900e-003		65.7978

North County 3A, M - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947		2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0639	0.0460	0.5135	1.3500e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		134.5837	134.5837	4.6100e-003		134.6988
Total	0.0639	0.0460	0.5135	1.3500e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		134.5837	134.5837	4.6100e-003		134.6988

North County 3A, M - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0639	0.0460	0.5135	1.3500e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		134.5837	134.5837	4.6100e-003		134.6988
Total	0.0639	0.0460	0.5135	1.3500e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		134.5837	134.5837	4.6100e-003		134.6988

North County 3A, M - San Diego County, Summer

3.5 Paving - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 3A, M - San Diego County, Summer

3.5 Paving - 2018**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	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 3A, M - San Diego County, Summer

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

North County 3A, M - San Diego County, Summer

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

4.0 Operational Detail - Mobile

North County 3A, M - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0934	0.4981	1.1887	5.8400e-003	0.6937	2.0400e-003	0.6957	0.1854	1.9000e-003	0.1873		601.5285	601.5285	0.0269		602.2015
Unmitigated	0.0934	0.4981	1.1887	5.8400e-003	0.6937	2.0400e-003	0.6957	0.1854	1.9000e-003	0.1873		601.5285	601.5285	0.0269		602.2015

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	110.00	114.51	99.55	311,660	311,660
Total	110.00	114.51	99.55	311,660	311,660

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	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 3A, M - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
NaturalGas Unmitigated	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149

North County 3A, M - San Diego County, Summer

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	1118.88	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
Total		0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1.11888	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
Total		0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 3A, M - San Diego 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	0.5060	0.1929	0.9812	1.2100e-003		0.0198	0.0198		0.0198	0.0198	0.0000	234.5753	234.5753	6.0200e-003	4.2700e-003	235.9984
Unmitigated	0.5060	0.1929	0.9812	1.2100e-003		0.0198	0.0198		0.0198	0.0198	0.0000	234.5753	234.5753	6.0200e-003	4.2700e-003	235.9984

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	0.0339					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0214	0.1825	0.0777	1.1600e-003		0.0148	0.0148		0.0148	0.0148	0.0000	232.9412	232.9412	4.4600e-003	4.2700e-003	234.3254
Landscaping	0.0270	0.0104	0.9035	5.0000e-005		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		1.6341	1.6341	1.5600e-003		1.6730
Total	0.5060	0.1929	0.9812	1.2100e-003		0.0198	0.0198		0.0198	0.0198	0.0000	234.5753	234.5753	6.0200e-003	4.2700e-003	235.9984

North County 3A, M - San Diego 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	0.0339					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0214	0.1825	0.0777	1.1600e-003		0.0148	0.0148		0.0148	0.0148	0.0000	232.9412	232.9412	4.4600e-003	4.2700e-003	234.3254
Landscaping	0.0270	0.0104	0.9035	5.0000e-005		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		1.6341	1.6341	1.5600e-003		1.6730
Total	0.5060	0.1929	0.9812	1.2100e-003		0.0198	0.0198		0.0198	0.0198	0.0000	234.5753	234.5753	6.0200e-003	4.2700e-003	235.9984

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 3A, M - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 3A, UM - San Diego County, Winter

North County 3A, UM San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	11.00	Dwelling Unit	3.57	19,800.00	31

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

North County 3A, UM - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	1/24/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/5/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/17/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	12/31/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/5/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/1/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	1/18/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/6/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/6/2018
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

North County 3A, UM - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6493	48.2607	23.0608	0.0396	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,983.2428	3,983.2428	1.1981	0.0000	4,013.1951
2019	7.1539	1.8385	1.8706	3.0500e-003	8.2100e-003	0.1288	0.1370	2.1800e-003	0.1288	0.1310	0.0000	289.6172	289.6172	0.0240	0.0000	290.2181
Maximum	7.1539	48.2607	23.0608	0.0396	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,983.2428	3,983.2428	1.1981	0.0000	4,013.1951

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6493	48.2607	23.0608	0.0396	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,983.2428	3,983.2428	1.1981	0.0000	4,013.1951
2019	7.1539	1.8385	1.8706	3.0500e-003	8.2100e-003	0.1288	0.1370	2.1800e-003	0.1288	0.1310	0.0000	289.6172	289.6172	0.0240	0.0000	290.2181
Maximum	7.1539	48.2607	23.0608	0.0396	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,983.2428	3,983.2428	1.1981	0.0000	4,013.1951

[illegible]

North County 3A, UM - San Diego 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	17.3190	0.3392	21.6837	0.0377		2.9186	2.9186		2.9186	2.9186	305.4890	129.7517	435.2408	0.2835	0.0240	449.4882
Energy	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
Mobile	0.0913	0.5045	1.1598	5.5500e-003	0.6937	2.0500e-003	0.6957	0.1854	1.9100e-003	0.1873		572.7577	572.7577	0.0271		573.4356
Total	17.4224	0.9468	22.8874	0.0439	0.6937	2.9290	3.6227	0.1854	2.9289	3.1143	305.4890	834.1421	1,139.631 1	0.3131	0.0264	1,155.338 6

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	17.3190	0.3392	21.6837	0.0377		2.9186	2.9186		2.9186	2.9186	305.4890	129.7517	435.2408	0.2835	0.0240	449.4882
Energy	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
Mobile	0.0913	0.5045	1.1598	5.5500e-003	0.6937	2.0500e-003	0.6957	0.1854	1.9100e-003	0.1873		572.7577	572.7577	0.0271		573.4356
Total	17.4224	0.9468	22.8874	0.0439	0.6937	2.9290	3.6227	0.1854	2.9289	3.1143	305.4890	834.1421	1,139.631 1	0.3131	0.0264	1,155.338 6

North County 3A, UM - San Diego 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	Architectural Coating	Architectural Coating	1/1/2019	1/24/2019	5	18	
2	Building Construction	Building Construction	1/18/2018	12/5/2018	5	230	
3	Grading	Grading	1/6/2018	1/17/2018	5	8	
4	Paving	Paving	12/6/2018	12/31/2018	5	18	
5	Site Preparation	Site Preparation	1/1/2018	1/5/2018	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 40,095; Residential Outdoor: 13,365; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 3A, UM - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	4.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

North County 3A, UM - San Diego County, Winter

3.1 Mitigation Measures Construction**3.2 Architectural Coating - 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					
Archit. Coating	6.8830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	7.1494	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.4400e-003	3.0800e-003	0.0292	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.1691	8.1691	2.6000e-004		8.1757
Total	4.4400e-003	3.0800e-003	0.0292	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.1691	8.1691	2.6000e-004		8.1757

North County 3A, UM - San Diego County, Winter

3.2 Architectural Coating - 2019**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	6.8830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	7.1494	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.4400e-003	3.0800e-003	0.0292	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.1691	8.1691	2.6000e-004		8.1757
Total	4.4400e-003	3.0800e-003	0.0292	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.1691	8.1691	2.6000e-004		8.1757

North County 3A, UM - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.3800e-003	0.1320	0.0386	2.7000e-004	6.7700e-003	1.0500e-003	7.8200e-003	1.9500e-003	1.0000e-003	2.9500e-003		29.0698	29.0698	2.5200e-003		29.1327
Worker	0.0192	0.0138	0.1299	3.4000e-004	0.0329	2.4000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		33.6931	33.6931	1.1700e-003		33.7223
Total	0.0246	0.1458	0.1685	6.1000e-004	0.0396	1.2900e-003	0.0409	0.0107	1.2200e-003	0.0119		62.7629	62.7629	3.6900e-003		62.8550

North County 3A, UM - San Diego County, Winter

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.3800e-003	0.1320	0.0386	2.7000e-004	6.7700e-003	1.0500e-003	7.8200e-003	1.9500e-003	1.0000e-003	2.9500e-003		29.0698	29.0698	2.5200e-003		29.1327
Worker	0.0192	0.0138	0.1299	3.4000e-004	0.0329	2.4000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		33.6931	33.6931	1.1700e-003		33.7223
Total	0.0246	0.1458	0.1685	6.1000e-004	0.0396	1.2900e-003	0.0409	0.0107	1.2200e-003	0.0119		62.7629	62.7629	3.6900e-003		62.8550

North County 3A, UM - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947		2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586
Total	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586

North County 3A, UM - San Diego County, Winter

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586
Total	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586

North County 3A, UM - San Diego County, Winter

3.5 Paving - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 3A, UM - San Diego County, Winter

3.5 Paving - 2018**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	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 3A, UM - San Diego County, Winter

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

North County 3A, UM - San Diego County, Winter

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

4.0 Operational Detail - Mobile

North County 3A, UM - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0913	0.5045	1.1598	5.5500e-003	0.6937	2.0500e-003	0.6957	0.1854	1.9100e-003	0.1873		572.7577	572.7577	0.0271		573.4356
Unmitigated	0.0913	0.5045	1.1598	5.5500e-003	0.6937	2.0500e-003	0.6957	0.1854	1.9100e-003	0.1873		572.7577	572.7577	0.0271		573.4356

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	110.00	114.51	99.55	311,660	311,660
Total	110.00	114.51	99.55	311,660	311,660

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	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 3A, UM - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
NaturalGas Unmitigated	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149

North County 3A, UM - San Diego County, Winter

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	1118.88	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
Total		0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1.11888	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
Total		0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 3A, UM - San Diego 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	17.3190	0.3392	21.6837	0.0377		2.9186	2.9186		2.9186	2.9186	305.4890	129.7517	435.2408	0.2835	0.0240	449.4882
Unmitigated	17.3190	0.3392	21.6837	0.0377		2.9186	2.9186		2.9186	2.9186	305.4890	129.7517	435.2408	0.2835	0.0240	449.4882

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	0.0339					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	16.8343	0.3288	20.7802	0.0377		2.9136	2.9136		2.9136	2.9136	305.4890	128.1177	433.6067	0.2819	0.0240	447.8152
Landscaping	0.0270	0.0104	0.9035	5.0000e-005		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		1.6341	1.6341	1.5600e-003		1.6730
Total	17.3190	0.3392	21.6837	0.0377		2.9186	2.9186		2.9186	2.9186	305.4890	129.7517	435.2408	0.2835	0.0240	449.4882

North County 3A, UM - San Diego 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	0.0339					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	16.8343	0.3288	20.7802	0.0377		2.9136	2.9136		2.9136	2.9136	305.4890	128.1177	433.6067	0.2819	0.0240	447.8152
Landscaping	0.0270	0.0104	0.9035	5.0000e-005		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		1.6341	1.6341	1.5600e-003		1.6730
Total	17.3190	0.3392	21.6837	0.0377		2.9186	2.9186		2.9186	2.9186	305.4890	129.7517	435.2408	0.2835	0.0240	449.4882

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 3A, UM - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 3A, M - San Diego County, Winter

North County 3A, M San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	11.00	Dwelling Unit	3.57	19,800.00	31

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

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Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	1/24/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/5/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/17/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	12/31/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/5/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/1/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	1/18/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/6/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/6/2018
tblFireplaces	NumberGas	6.05	11.00
tblFireplaces	NumberNoFireplace	1.10	0.00
tblFireplaces	NumberWood	3.85	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

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tblWoodstoves	NumberCatalytic	0.55	0.00
tblWoodstoves	NumberNoncatalytic	0.55	0.00

2.0 Emissions Summary

North County 3A, M - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6493	48.2607	23.0608	0.0396	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,983.2428	3,983.2428	1.1981	0.0000	4,013.1951
2019	7.1539	1.8385	1.8706	3.0500e-003	8.2100e-003	0.1288	0.1370	2.1800e-003	0.1288	0.1310	0.0000	289.6172	289.6172	0.0240	0.0000	290.2181
Maximum	7.1539	48.2607	23.0608	0.0396	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,983.2428	3,983.2428	1.1981	0.0000	4,013.1951

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6493	48.2607	23.0608	0.0396	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,983.2428	3,983.2428	1.1981	0.0000	4,013.1951
2019	7.1539	1.8385	1.8706	3.0500e-003	8.2100e-003	0.1288	0.1370	2.1800e-003	0.1288	0.1310	0.0000	289.6172	289.6172	0.0240	0.0000	290.2181
Maximum	7.1539	48.2607	23.0608	0.0396	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,983.2428	3,983.2428	1.1981	0.0000	4,013.1951

[illegible]

North County 3A, M - San Diego 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	0.5060	0.1929	0.9812	1.2100e-003		0.0198	0.0198		0.0198	0.0198	0.0000	234.5753	234.5753	6.0200e-003	4.2700e-003	235.9984
Energy	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
Mobile	0.0913	0.5045	1.1598	5.5500e-003	0.6937	2.0500e-003	0.6957	0.1854	1.9100e-003	0.1873		572.7577	572.7577	0.0271		573.4356
Total	0.6094	0.8006	2.1849	7.4200e-003	0.6937	0.0302	0.7239	0.1854	0.0300	0.2154	0.0000	938.9656	938.9656	0.0357	6.6800e-003	941.8489

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	0.5060	0.1929	0.9812	1.2100e-003		0.0198	0.0198		0.0198	0.0198	0.0000	234.5753	234.5753	6.0200e-003	4.2700e-003	235.9984
Energy	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
Mobile	0.0913	0.5045	1.1598	5.5500e-003	0.6937	2.0500e-003	0.6957	0.1854	1.9100e-003	0.1873		572.7577	572.7577	0.0271		573.4356
Total	0.6094	0.8006	2.1849	7.4200e-003	0.6937	0.0302	0.7239	0.1854	0.0300	0.2154	0.0000	938.9656	938.9656	0.0357	6.6800e-003	941.8489

North County 3A, M - San Diego 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	Architectural Coating	Architectural Coating	1/1/2019	1/24/2019	5	18	
2	Building Construction	Building Construction	1/18/2018	12/5/2018	5	230	
3	Grading	Grading	1/6/2018	1/17/2018	5	8	
4	Paving	Paving	12/6/2018	12/31/2018	5	18	
5	Site Preparation	Site Preparation	1/1/2018	1/5/2018	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 40,095; Residential Outdoor: 13,365; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 3A, M - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	4.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

North County 3A, M - San Diego County, Winter

3.1 Mitigation Measures Construction**3.2 Architectural Coating - 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					
Archit. Coating	6.8830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	7.1494	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.4400e-003	3.0800e-003	0.0292	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.1691	8.1691	2.6000e-004		8.1757
Total	4.4400e-003	3.0800e-003	0.0292	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.1691	8.1691	2.6000e-004		8.1757

North County 3A, M - San Diego County, Winter

3.2 Architectural Coating - 2019**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	6.8830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	7.1494	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.4400e-003	3.0800e-003	0.0292	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.1691	8.1691	2.6000e-004		8.1757
Total	4.4400e-003	3.0800e-003	0.0292	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.1691	8.1691	2.6000e-004		8.1757

North County 3A, M - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.3800e-003	0.1320	0.0386	2.7000e-004	6.7700e-003	1.0500e-003	7.8200e-003	1.9500e-003	1.0000e-003	2.9500e-003		29.0698	29.0698	2.5200e-003		29.1327
Worker	0.0192	0.0138	0.1299	3.4000e-004	0.0329	2.4000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		33.6931	33.6931	1.1700e-003		33.7223
Total	0.0246	0.1458	0.1685	6.1000e-004	0.0396	1.2900e-003	0.0409	0.0107	1.2200e-003	0.0119		62.7629	62.7629	3.6900e-003		62.8550

North County 3A, M - San Diego County, Winter

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.3800e-003	0.1320	0.0386	2.7000e-004	6.7700e-003	1.0500e-003	7.8200e-003	1.9500e-003	1.0000e-003	2.9500e-003		29.0698	29.0698	2.5200e-003		29.1327
Worker	0.0192	0.0138	0.1299	3.4000e-004	0.0329	2.4000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		33.6931	33.6931	1.1700e-003		33.7223
Total	0.0246	0.1458	0.1685	6.1000e-004	0.0396	1.2900e-003	0.0409	0.0107	1.2200e-003	0.0119		62.7629	62.7629	3.6900e-003		62.8550

North County 3A, M - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947		2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586
Total	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586

North County 3A, M - San Diego County, Winter

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586
Total	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586

North County 3A, M - San Diego County, Winter

3.5 Paving - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 3A, M - San Diego County, Winter

3.5 Paving - 2018**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	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 3A, M - San Diego County, Winter

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

North County 3A, M - San Diego County, Winter

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

4.0 Operational Detail - Mobile

North County 3A, M - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0913	0.5045	1.1598	5.5500e-003	0.6937	2.0500e-003	0.6957	0.1854	1.9100e-003	0.1873		572.7577	572.7577	0.0271		573.4356
Unmitigated	0.0913	0.5045	1.1598	5.5500e-003	0.6937	2.0500e-003	0.6957	0.1854	1.9100e-003	0.1873		572.7577	572.7577	0.0271		573.4356

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	110.00	114.51	99.55	311,660	311,660
Total	110.00	114.51	99.55	311,660	311,660

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	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 3A, M - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
NaturalGas Unmitigated	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149

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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	1118.88	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
Total		0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1.11888	0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
Total		0.0121	0.1031	0.0439	6.6000e-004		8.3400e-003	8.3400e-003		8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 3A, M - San Diego 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	0.5060	0.1929	0.9812	1.2100e-003		0.0198	0.0198		0.0198	0.0198	0.0000	234.5753	234.5753	6.0200e-003	4.2700e-003	235.9984
Unmitigated	0.5060	0.1929	0.9812	1.2100e-003		0.0198	0.0198		0.0198	0.0198	0.0000	234.5753	234.5753	6.0200e-003	4.2700e-003	235.9984

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	0.0339					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0214	0.1825	0.0777	1.1600e-003		0.0148	0.0148		0.0148	0.0148	0.0000	232.9412	232.9412	4.4600e-003	4.2700e-003	234.3254
Landscaping	0.0270	0.0104	0.9035	5.0000e-005		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		1.6341	1.6341	1.5600e-003		1.6730
Total	0.5060	0.1929	0.9812	1.2100e-003		0.0198	0.0198		0.0198	0.0198	0.0000	234.5753	234.5753	6.0200e-003	4.2700e-003	235.9984

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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	0.0339					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4237					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0214	0.1825	0.0777	1.1600e-003		0.0148	0.0148		0.0148	0.0148	0.0000	232.9412	232.9412	4.4600e-003	4.2700e-003	234.3254
Landscaping	0.0270	0.0104	0.9035	5.0000e-005		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003		1.6341	1.6341	1.5600e-003		1.6730
Total	0.5060	0.1929	0.9812	1.2100e-003		0.0198	0.0198		0.0198	0.0198	0.0000	234.5753	234.5753	6.0200e-003	4.2700e-003	235.9984

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 3A, M - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 18A, UM - San Diego County, Summer

North County 18A, UM San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	34.00	Dwelling Unit	11.04	61,200.00	97

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

North County 18A, UM - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	6/14/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	4/19/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	5/17/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	5/18/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/20/2019
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

North County 18A, UM - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262
2019	19.4215	21.6076	17.6631	0.0291	0.1257	1.2940	1.4197	0.0340	1.2167	1.2506	0.0000	2,814.4108	2,814.4108	0.7183	0.0000	2,830.5060
Maximum	19.4215	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262
2019	19.4215	21.6076	17.6631	0.0291	0.1257	1.2940	1.4197	0.0340	1.2167	1.2506	0.0000	2,814.4108	2,814.4108	0.7183	0.0000	2,830.5060
Maximum	19.4215	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262

[illegible]

North County 18A, UM - San Diego 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	53.5316	1.0484	67.0223	0.1165		9.0212	9.0212		9.0212	9.0212	944.2388	401.0508	1,345.2896	0.8762	0.0743	1,389.3271
Energy	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
Mobile	0.2886	1.5395	3.6741	0.0180	2.1441	6.3100e-003	2.1504	0.5730	5.8800e-003	0.5789		1,859.2699	1,859.2699	0.0832		1,861.3500
Total	53.8574	2.9066	70.8320	0.1366	2.1441	9.0532	11.1973	0.5730	9.0528	9.6259	944.2388	2,667.1854	3,611.4242	0.9672	0.0817	3,659.9596

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	53.5316	1.0484	67.0223	0.1165		9.0212	9.0212		9.0212	9.0212	944.2388	401.0508	1,345.2896	0.8762	0.0743	1,389.3271
Energy	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
Mobile	0.2886	1.5395	3.6741	0.0180	2.1441	6.3100e-003	2.1504	0.5730	5.8800e-003	0.5789		1,859.2699	1,859.2699	0.0832		1,861.3500
Total	53.8574	2.9066	70.8320	0.1366	2.1441	9.0532	11.1973	0.5730	9.0528	9.6259	944.2388	2,667.1854	3,611.4242	0.9672	0.0817	3,659.9596

North County 18A, UM - San Diego 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	Architectural Coating	Architectural Coating	5/18/2019	6/14/2019	5	20	
2	Building Construction	Building Construction	2/24/2018	4/19/2019	5	300	
3	Grading	Grading	1/13/2018	2/23/2018	5	30	
4	Paving	Paving	4/20/2019	5/17/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 123,930; Residential Outdoor: 41,310; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 18A, UM - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	12.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

North County 18A, UM - San Diego County, Summer

3.2 Architectural Coating - 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					
Archit. Coating	19.1472					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	19.4136	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	7.8500e-003	5.4800e-003	0.0619	1.7000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		17.4040	17.4040	5.6000e-004		17.4179
Total	7.8500e-003	5.4800e-003	0.0619	1.7000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		17.4040	17.4040	5.6000e-004		17.4179

North County 18A, UM - San Diego County, Summer

3.2 Architectural Coating - 2019**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	19.1472					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	19.4136	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	7.8500e-003	5.4800e-003	0.0619	1.7000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		17.4040	17.4040	5.6000e-004		17.4179
Total	7.8500e-003	5.4800e-003	0.0619	1.7000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		17.4040	17.4040	5.6000e-004		17.4179

North County 18A, UM - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.0511	0.0368	0.4108	1.0800e-003	0.0986	7.1000e-004	0.0993	0.0262	6.5000e-004	0.0268		107.6670	107.6670	3.6800e-003		107.7591
Total	0.0717	0.5638	0.5504	2.1900e-003	0.1257	4.8300e-003	0.1305	0.0340	4.5900e-003	0.0385		226.9429	226.9429	0.0131		227.2713

North County 18A, UM - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.0511	0.0368	0.4108	1.0800e-003	0.0986	7.1000e-004	0.0993	0.0262	6.5000e-004	0.0268		107.6670	107.6670	3.6800e-003		107.7591
Total	0.0717	0.5638	0.5504	2.1900e-003	0.1257	4.8300e-003	0.1305	0.0340	4.5900e-003	0.0385		226.9429	226.9429	0.0131		227.2713

North County 18A, UM - San Diego County, Summer

3.3 Building Construction - 2019**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0184	0.4960	0.1280	1.1000e-003	0.0271	3.4500e-003	0.0305	7.8000e-003	3.3000e-003	0.0111		118.4067	118.4067	9.1400e-003		118.6352
Worker	0.0471	0.0329	0.3713	1.0500e-003	0.0986	7.0000e-004	0.0993	0.0262	6.5000e-004	0.0268		104.4240	104.4240	3.3300e-003		104.5073
Total	0.0655	0.5288	0.4993	2.1500e-003	0.1257	4.1500e-003	0.1298	0.0340	3.9500e-003	0.0379		222.8306	222.8306	0.0125		223.1425

North County 18A, UM - San Diego County, Summer

3.3 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0184	0.4960	0.1280	1.1000e-003	0.0271	3.4500e-003	0.0305	7.8000e-003	3.3000e-003	0.0111		118.4067	118.4067	9.1400e-003		118.6352
Worker	0.0471	0.0329	0.3713	1.0500e-003	0.0986	7.0000e-004	0.0993	0.0262	6.5000e-004	0.0268		104.4240	104.4240	3.3300e-003		104.5073
Total	0.0655	0.5288	0.4993	2.1500e-003	0.1257	4.1500e-003	0.1298	0.0340	3.9500e-003	0.0379		222.8306	222.8306	0.0125		223.1425

North County 18A, UM - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 18A, UM - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 18A, UM - San Diego County, Summer

3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342
Total	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342

North County 18A, UM - San Diego County, Summer

3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342
Total	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342

North County 18A, UM - San Diego County, Summer

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

North County 18A, UM - San Diego County, Summer

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

4.0 Operational Detail - Mobile

North County 18A, UM - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2886	1.5395	3.6741	0.0180	2.1441	6.3100e-003	2.1504	0.5730	5.8800e-003	0.5789		1,859.2699	1,859.2699	0.0832		1,861.3500
Unmitigated	0.2886	1.5395	3.6741	0.0180	2.1441	6.3100e-003	2.1504	0.5730	5.8800e-003	0.5789		1,859.2699	1,859.2699	0.0832		1,861.3500

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	340.00	353.94	307.70	963,314	963,314
Total	340.00	353.94	307.70	963,314	963,314

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 18A, UM - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
NaturalGas Unmitigated	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825

North County 18A, UM - San Diego County, Summer

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	3458.35	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
Total		0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	3.45835	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
Total		0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 18A, UM - San Diego 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	53.5316	1.0484	67.0223	0.1165		9.0212	9.0212		9.0212	9.0212	944.2388	401.0508	1,345.2896	0.8762	0.0743	1,389.3271
Unmitigated	53.5316	1.0484	67.0223	0.1165		9.0212	9.0212		9.0212	9.0212	944.2388	401.0508	1,345.2896	0.8762	0.0743	1,389.3271

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	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3097					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	52.0334	1.0162	64.2296	0.1164		9.0056	9.0056		9.0056	9.0056	944.2388	396.0000	1,340.2388	0.8714	0.0743	1,384.1562
Landscaping	0.0835	0.0322	2.7927	1.5000e-004		0.0156	0.0156		0.0156	0.0156		5.0508	5.0508	4.8100e-003		5.1710
Total	53.5316	1.0484	67.0223	0.1165		9.0212	9.0212		9.0212	9.0212	944.2388	401.0508	1,345.2896	0.8762	0.0743	1,389.3271

North County 18A, UM - San Diego 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	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3097					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	52.0334	1.0162	64.2296	0.1164		9.0056	9.0056		9.0056	9.0056	944.2388	396.0000	1,340.2388	0.8714	0.0743	1,384.1562
Landscaping	0.0835	0.0322	2.7927	1.5000e-004		0.0156	0.0156		0.0156	0.0156		5.0508	5.0508	4.8100e-003		5.1710
Total	53.5316	1.0484	67.0223	0.1165		9.0212	9.0212		9.0212	9.0212	944.2388	401.0508	1,345.2896	0.8762	0.0743	1,389.3271

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 18A, UM - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 18A, M - San Diego County, Summer

North County 18A, M

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	34.00	Dwelling Unit	11.04	61,200.00	97

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

North County 18A, M - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	6/14/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	4/19/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	5/17/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	5/18/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/20/2019
tblFireplaces	NumberGas	18.70	34.00
tblFireplaces	NumberNoFireplace	3.40	0.00
tblFireplaces	NumberWood	11.90	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05

North County 18A, M - San Diego County, Summer

tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	1.70	0.00
tblWoodstoves	NumberNoncatalytic	1.70	0.00

2.0 Emissions Summary

North County 18A, M - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262
2019	19.4215	21.6076	17.6631	0.0291	0.1257	1.2940	1.4197	0.0340	1.2167	1.2506	0.0000	2,814.4108	2,814.4108	0.7183	0.0000	2,830.5060
Maximum	19.4215	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262
2019	19.4215	21.6076	17.6631	0.0291	0.1257	1.2940	1.4197	0.0340	1.2167	1.2506	0.0000	2,814.4108	2,814.4108	0.7183	0.0000	2,830.5060
Maximum	19.4215	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262

[illegible]

North County 18A, M - San Diego 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	1.5641	0.5962	3.0327	3.7500e-003		0.0612	0.0612		0.0612	0.0612	0.0000	725.0508	725.0508	0.0186	0.0132	729.4496
Energy	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
Mobile	0.2886	1.5395	3.6741	0.0180	2.1441	6.3100e-003	2.1504	0.5730	5.8800e-003	0.5789		1,859.2699	1,859.2699	0.0832		1,861.3500
Total	1.8900	2.4544	6.8424	0.0238	2.1441	0.0932	2.2373	0.5730	0.0928	0.6659	0.0000	2,991.1854	2,991.1854	0.1096	0.0207	3,000.0820

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5641	0.5962	3.0327	3.7500e-003		0.0612	0.0612		0.0612	0.0612	0.0000	725.0508	725.0508	0.0186	0.0132	729.4496
Energy	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
Mobile	0.2886	1.5395	3.6741	0.0180	2.1441	6.3100e-003	2.1504	0.5730	5.8800e-003	0.5789		1,859.2699	1,859.2699	0.0832		1,861.3500
Total	1.8900	2.4544	6.8424	0.0238	2.1441	0.0932	2.2373	0.5730	0.0928	0.6659	0.0000	2,991.1854	2,991.1854	0.1096	0.0207	3,000.0820

North County 18A, M - San Diego 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	Architectural Coating	Architectural Coating	5/18/2019	6/14/2019	5	20	
2	Building Construction	Building Construction	2/24/2018	4/19/2019	5	300	
3	Grading	Grading	1/13/2018	2/23/2018	5	30	
4	Paving	Paving	4/20/2019	5/17/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 123,930; Residential Outdoor: 41,310; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 18A, M - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	12.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

North County 18A, M - San Diego County, Summer

3.2 Architectural Coating - 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					
Archit. Coating	19.1472					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	19.4136	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	7.8500e-003	5.4800e-003	0.0619	1.7000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		17.4040	17.4040	5.6000e-004		17.4179
Total	7.8500e-003	5.4800e-003	0.0619	1.7000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		17.4040	17.4040	5.6000e-004		17.4179

North County 18A, M - San Diego County, Summer

3.2 Architectural Coating - 2019**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	19.1472					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	19.4136	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	7.8500e-003	5.4800e-003	0.0619	1.7000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		17.4040	17.4040	5.6000e-004		17.4179
Total	7.8500e-003	5.4800e-003	0.0619	1.7000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		17.4040	17.4040	5.6000e-004		17.4179

North County 18A, M - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.0511	0.0368	0.4108	1.0800e-003	0.0986	7.1000e-004	0.0993	0.0262	6.5000e-004	0.0268		107.6670	107.6670	3.6800e-003		107.7591
Total	0.0717	0.5638	0.5504	2.1900e-003	0.1257	4.8300e-003	0.1305	0.0340	4.5900e-003	0.0385		226.9429	226.9429	0.0131		227.2713

North County 18A, M - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.0511	0.0368	0.4108	1.0800e-003	0.0986	7.1000e-004	0.0993	0.0262	6.5000e-004	0.0268		107.6670	107.6670	3.6800e-003		107.7591
Total	0.0717	0.5638	0.5504	2.1900e-003	0.1257	4.8300e-003	0.1305	0.0340	4.5900e-003	0.0385		226.9429	226.9429	0.0131		227.2713

North County 18A, M - San Diego County, Summer

3.3 Building Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0184	0.4960	0.1280	1.1000e-003	0.0271	3.4500e-003	0.0305	7.8000e-003	3.3000e-003	0.0111		118.4067	118.4067	9.1400e-003		118.6352
Worker	0.0471	0.0329	0.3713	1.0500e-003	0.0986	7.0000e-004	0.0993	0.0262	6.5000e-004	0.0268		104.4240	104.4240	3.3300e-003		104.5073
Total	0.0655	0.5288	0.4993	2.1500e-003	0.1257	4.1500e-003	0.1298	0.0340	3.9500e-003	0.0379		222.8306	222.8306	0.0125		223.1425

North County 18A, M - San Diego County, Summer

3.3 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0184	0.4960	0.1280	1.1000e-003	0.0271	3.4500e-003	0.0305	7.8000e-003	3.3000e-003	0.0111		118.4067	118.4067	9.1400e-003		118.6352
Worker	0.0471	0.0329	0.3713	1.0500e-003	0.0986	7.0000e-004	0.0993	0.0262	6.5000e-004	0.0268		104.4240	104.4240	3.3300e-003		104.5073
Total	0.0655	0.5288	0.4993	2.1500e-003	0.1257	4.1500e-003	0.1298	0.0340	3.9500e-003	0.0379		222.8306	222.8306	0.0125		223.1425

North County 18A, M - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 18A, M - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 18A, M - San Diego County, Summer

3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342
Total	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342

North County 18A, M - San Diego County, Summer

3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342
Total	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342

North County 18A, M - San Diego County, Summer

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

North County 18A, M - San Diego County, Summer

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

4.0 Operational Detail - Mobile

North County 18A, M - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2886	1.5395	3.6741	0.0180	2.1441	6.3100e-003	2.1504	0.5730	5.8800e-003	0.5789		1,859.2699	1,859.2699	0.0832		1,861.3500
Unmitigated	0.2886	1.5395	3.6741	0.0180	2.1441	6.3100e-003	2.1504	0.5730	5.8800e-003	0.5789		1,859.2699	1,859.2699	0.0832		1,861.3500

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	340.00	353.94	307.70	963,314	963,314
Total	340.00	353.94	307.70	963,314	963,314

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 18A, M - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
NaturalGas Unmitigated	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825

North County 18A, M - San Diego County, Summer

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	3458.35	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
Total		0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	3.45835	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
Total		0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 18A, M - San Diego 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	1.5641	0.5962	3.0327	3.7500e-003		0.0612	0.0612		0.0612	0.0612	0.0000	725.0508	725.0508	0.0186	0.0132	729.4496
Unmitigated	1.5641	0.5962	3.0327	3.7500e-003		0.0612	0.0612		0.0612	0.0612	0.0000	725.0508	725.0508	0.0186	0.0132	729.4496

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	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3097					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0660	0.5640	0.2400	3.6000e-003		0.0456	0.0456		0.0456	0.0456	0.0000	720.0000	720.0000	0.0138	0.0132	724.2786
Landscaping	0.0835	0.0322	2.7927	1.5000e-004		0.0156	0.0156		0.0156	0.0156		5.0508	5.0508	4.8100e-003		5.1710
Total	1.5641	0.5962	3.0327	3.7500e-003		0.0612	0.0612		0.0612	0.0612	0.0000	725.0508	725.0508	0.0186	0.0132	729.4496

North County 18A, M - San Diego 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	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3097					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0660	0.5640	0.2400	3.6000e-003		0.0456	0.0456		0.0456	0.0456	0.0000	720.0000	720.0000	0.0138	0.0132	724.2786
Landscaping	0.0835	0.0322	2.7927	1.5000e-004		0.0156	0.0156		0.0156	0.0156		5.0508	5.0508	4.8100e-003		5.1710
Total	1.5641	0.5962	3.0327	3.7500e-003		0.0612	0.0612		0.0612	0.0612	0.0000	725.0508	725.0508	0.0186	0.0132	729.4496

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 18A, M - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 18A, UM - San Diego County, Winter

North County 18A, UM

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	34.00	Dwelling Unit	11.04	61,200.00	97

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

North County 18A, UM - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	6/14/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	4/19/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	5/17/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	5/18/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/20/2019
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

North County 18A, UM - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392
2019	19.4225	21.6121	17.6566	0.0290	0.1257	1.2941	1.4197	0.0340	1.2167	1.2507	0.0000	2,805.0099	2,805.0099	0.7180	0.0000	2,821.1155
Maximum	19.4225	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392
2019	19.4225	21.6121	17.6566	0.0290	0.1257	1.2941	1.4197	0.0340	1.2167	1.2507	0.0000	2,805.0099	2,805.0099	0.7180	0.0000	2,821.1155
Maximum	19.4225	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392

[illegible]

North County 18A, UM - San Diego 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	53.5316	1.0484	67.0223	0.1165		9.0212	9.0212		9.0212	9.0212	944.2388	401.0508	1,345.2896	0.8762	0.0743	1,389.3271
Energy	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
Mobile	0.2823	1.5595	3.5850	0.0172	2.1441	6.3200e-003	2.1504	0.5730	5.8900e-003	0.5789		1,770.3418	1,770.3418	0.0838		1,772.4372
Total	53.8511	2.9266	70.7429	0.1357	2.1441	9.0533	11.1973	0.5730	9.0528	9.6259	944.2388	2,578.2573	3,522.4961	0.9678	0.0817	3,571.0467

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	53.5316	1.0484	67.0223	0.1165		9.0212	9.0212		9.0212	9.0212	944.2388	401.0508	1,345.2896	0.8762	0.0743	1,389.3271
Energy	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
Mobile	0.2823	1.5595	3.5850	0.0172	2.1441	6.3200e-003	2.1504	0.5730	5.8900e-003	0.5789		1,770.3418	1,770.3418	0.0838		1,772.4372
Total	53.8511	2.9266	70.7429	0.1357	2.1441	9.0533	11.1973	0.5730	9.0528	9.6259	944.2388	2,578.2573	3,522.4961	0.9678	0.0817	3,571.0467

North County 18A, UM - San Diego 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	Architectural Coating	Architectural Coating	5/18/2019	6/14/2019	5	20	
2	Building Construction	Building Construction	2/24/2018	4/19/2019	5	300	
3	Grading	Grading	1/13/2018	2/23/2018	5	30	
4	Paving	Paving	4/20/2019	5/17/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 123,930; Residential Outdoor: 41,310; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 18A, UM - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	12.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

North County 18A, UM - San Diego County, Winter

3.2 Architectural Coating - 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					
Archit. Coating	19.1472					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	19.4136	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	8.8800e-003	6.1500e-003	0.0585	1.6000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		16.3383	16.3383	5.3000e-004		16.3515
Total	8.8800e-003	6.1500e-003	0.0585	1.6000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		16.3383	16.3383	5.3000e-004		16.3515

North County 18A, UM - San Diego County, Winter

3.2 Architectural Coating - 2019**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	19.1472					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	19.4136	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	8.8800e-003	6.1500e-003	0.0585	1.6000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		16.3383	16.3383	5.3000e-004		16.3515
Total	8.8800e-003	6.1500e-003	0.0585	1.6000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		16.3383	16.3383	5.3000e-004		16.3515

North County 18A, UM - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.0577	0.0413	0.3897	1.0200e-003	0.0986	7.1000e-004	0.0993	0.0262	6.5000e-004	0.0268		101.0793	101.0793	3.5000e-003		101.1669
Total	0.0792	0.5692	0.5441	2.1100e-003	0.1257	4.9000e-003	0.1306	0.0340	4.6600e-003	0.0386		217.3585	217.3585	0.0136		217.6976

North County 18A, UM - San Diego County, Winter

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.0577	0.0413	0.3897	1.0200e-003	0.0986	7.1000e-004	0.0993	0.0262	6.5000e-004	0.0268		101.0793	101.0793	3.5000e-003		101.1669
Total	0.0792	0.5692	0.5441	2.1100e-003	0.1257	4.9000e-003	0.1306	0.0340	4.6600e-003	0.0386		217.3585	217.3585	0.0136		217.6976

North County 18A, UM - San Diego County, Winter

3.3 Building Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.4964	0.1420	1.0800e-003	0.0271	3.5100e-003	0.0306	7.8000e-003	3.3600e-003	0.0112		115.4001	115.4001	9.7200e-003		115.6432
Worker	0.0533	0.0369	0.3509	9.8000e-004	0.0986	7.0000e-004	0.0993	0.0262	6.5000e-004	0.0268		98.0297	98.0297	3.1600e-003		98.1087
Total	0.0725	0.5333	0.4928	2.0600e-003	0.1257	4.2100e-003	0.1299	0.0340	4.0100e-003	0.0379		213.4298	213.4298	0.0129		213.7520

North County 18A, UM - San Diego County, Winter

3.3 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.4964	0.1420	1.0800e-003	0.0271	3.5100e-003	0.0306	7.8000e-003	3.3600e-003	0.0112		115.4001	115.4001	9.7200e-003		115.6432
Worker	0.0533	0.0369	0.3509	9.8000e-004	0.0986	7.0000e-004	0.0993	0.0262	6.5000e-004	0.0268		98.0297	98.0297	3.1600e-003		98.1087
Total	0.0725	0.5333	0.4928	2.0600e-003	0.1257	4.2100e-003	0.1299	0.0340	4.0100e-003	0.0379		213.4298	213.4298	0.0129		213.7520

North County 18A, UM - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 18A, UM - San Diego County, Winter

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 18A, UM - San Diego County, Winter

3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359

North County 18A, UM - San Diego County, Winter

3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359

North County 18A, UM - San Diego County, Winter

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

North County 18A, UM - San Diego County, Winter

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

4.0 Operational Detail - Mobile

North County 18A, UM - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2823	1.5595	3.5850	0.0172	2.1441	6.3200e-003	2.1504	0.5730	5.8900e-003	0.5789		1,770.3418	1,770.3418	0.0838		1,772.4372
Unmitigated	0.2823	1.5595	3.5850	0.0172	2.1441	6.3200e-003	2.1504	0.5730	5.8900e-003	0.5789		1,770.3418	1,770.3418	0.0838		1,772.4372

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	340.00	353.94	307.70	963,314	963,314
Total	340.00	353.94	307.70	963,314	963,314

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 18A, UM - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
NaturalGas Unmitigated	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825

North County 18A, UM - San Diego County, Winter

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	3458.35	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
Total		0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	3.45835	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
Total		0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 18A, UM - San Diego 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	53.5316	1.0484	67.0223	0.1165		9.0212	9.0212		9.0212	9.0212	944.2388	401.0508	1,345.2896	0.8762	0.0743	1,389.3271
Unmitigated	53.5316	1.0484	67.0223	0.1165		9.0212	9.0212		9.0212	9.0212	944.2388	401.0508	1,345.2896	0.8762	0.0743	1,389.3271

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	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3097					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	52.0334	1.0162	64.2296	0.1164		9.0056	9.0056		9.0056	9.0056	944.2388	396.0000	1,340.2388	0.8714	0.0743	1,384.1562
Landscaping	0.0835	0.0322	2.7927	1.5000e-004		0.0156	0.0156		0.0156	0.0156		5.0508	5.0508	4.8100e-003		5.1710
Total	53.5316	1.0484	67.0223	0.1165		9.0212	9.0212		9.0212	9.0212	944.2388	401.0508	1,345.2896	0.8762	0.0743	1,389.3271

North County 18A, UM - San Diego 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	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3097					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	52.0334	1.0162	64.2296	0.1164		9.0056	9.0056		9.0056	9.0056	944.2388	396.0000	1,340.2388	0.8714	0.0743	1,384.1562
Landscaping	0.0835	0.0322	2.7927	1.5000e-004		0.0156	0.0156		0.0156	0.0156		5.0508	5.0508	4.8100e-003		5.1710
Total	53.5316	1.0484	67.0223	0.1165		9.0212	9.0212		9.0212	9.0212	944.2388	401.0508	1,345.2896	0.8762	0.0743	1,389.3271

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 18A, UM - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 18A, M - San Diego County, Winter

North County 18A, M San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	34.00	Dwelling Unit	11.04	61,200.00	97

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

North County 18A, M - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	6/14/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	4/19/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	5/17/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	5/18/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/20/2019
tblFireplaces	NumberGas	18.70	34.00
tblFireplaces	NumberNoFireplace	3.40	0.00
tblFireplaces	NumberWood	11.90	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05

North County 18A, M - San Diego County, Winter

tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	1.70	0.00
tblWoodstoves	NumberNoncatalytic	1.70	0.00

2.0 Emissions Summary

North County 18A, M - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392
2019	19.4225	21.6121	17.6566	0.0290	0.1257	1.2941	1.4197	0.0340	1.2167	1.2507	0.0000	2,805.0099	2,805.0099	0.7180	0.0000	2,821.1155
Maximum	19.4225	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392
2019	19.4225	21.6121	17.6566	0.0290	0.1257	1.2941	1.4197	0.0340	1.2167	1.2507	0.0000	2,805.0099	2,805.0099	0.7180	0.0000	2,821.1155
Maximum	19.4225	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392

[illegible]

North County 18A, M - San Diego 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	1.5641	0.5962	3.0327	3.7500e-003		0.0612	0.0612		0.0612	0.0612	0.0000	725.0508	725.0508	0.0186	0.0132	729.4496
Energy	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
Mobile	0.2823	1.5595	3.5850	0.0172	2.1441	6.3200e-003	2.1504	0.5730	5.8900e-003	0.5789		1,770.3418	1,770.3418	0.0838		1,772.4372
Total	1.8837	2.4744	6.7533	0.0229	2.1441	0.0933	2.2373	0.5730	0.0928	0.6659	0.0000	2,902.2573	2,902.2573	0.1102	0.0207	2,911.1692

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5641	0.5962	3.0327	3.7500e-003		0.0612	0.0612		0.0612	0.0612	0.0000	725.0508	725.0508	0.0186	0.0132	729.4496
Energy	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
Mobile	0.2823	1.5595	3.5850	0.0172	2.1441	6.3200e-003	2.1504	0.5730	5.8900e-003	0.5789		1,770.3418	1,770.3418	0.0838		1,772.4372
Total	1.8837	2.4744	6.7533	0.0229	2.1441	0.0933	2.2373	0.5730	0.0928	0.6659	0.0000	2,902.2573	2,902.2573	0.1102	0.0207	2,911.1692

North County 18A, M - San Diego 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	Architectural Coating	Architectural Coating	5/18/2019	6/14/2019	5	20	
2	Building Construction	Building Construction	2/24/2018	4/19/2019	5	300	
3	Grading	Grading	1/13/2018	2/23/2018	5	30	
4	Paving	Paving	4/20/2019	5/17/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 123,930; Residential Outdoor: 41,310; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 18A, M - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	12.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

North County 18A, M - San Diego County, Winter

3.2 Architectural Coating - 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					
Archit. Coating	19.1472					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	19.4136	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	8.8800e-003	6.1500e-003	0.0585	1.6000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		16.3383	16.3383	5.3000e-004		16.3515
Total	8.8800e-003	6.1500e-003	0.0585	1.6000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		16.3383	16.3383	5.3000e-004		16.3515

North County 18A, M - San Diego County, Winter

3.2 Architectural Coating - 2019**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	19.1472					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	19.4136	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	8.8800e-003	6.1500e-003	0.0585	1.6000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		16.3383	16.3383	5.3000e-004		16.3515
Total	8.8800e-003	6.1500e-003	0.0585	1.6000e-004	0.0164	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		16.3383	16.3383	5.3000e-004		16.3515

North County 18A, M - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.0577	0.0413	0.3897	1.0200e-003	0.0986	7.1000e-004	0.0993	0.0262	6.5000e-004	0.0268		101.0793	101.0793	3.5000e-003		101.1669
Total	0.0792	0.5692	0.5441	2.1100e-003	0.1257	4.9000e-003	0.1306	0.0340	4.6600e-003	0.0386		217.3585	217.3585	0.0136		217.6976

North County 18A, M - San Diego County, Winter

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.0577	0.0413	0.3897	1.0200e-003	0.0986	7.1000e-004	0.0993	0.0262	6.5000e-004	0.0268		101.0793	101.0793	3.5000e-003		101.1669
Total	0.0792	0.5692	0.5441	2.1100e-003	0.1257	4.9000e-003	0.1306	0.0340	4.6600e-003	0.0386		217.3585	217.3585	0.0136		217.6976

North County 18A, M - San Diego County, Winter

3.3 Building Construction - 2019**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.4964	0.1420	1.0800e-003	0.0271	3.5100e-003	0.0306	7.8000e-003	3.3600e-003	0.0112		115.4001	115.4001	9.7200e-003		115.6432
Worker	0.0533	0.0369	0.3509	9.8000e-004	0.0986	7.0000e-004	0.0993	0.0262	6.5000e-004	0.0268		98.0297	98.0297	3.1600e-003		98.1087
Total	0.0725	0.5333	0.4928	2.0600e-003	0.1257	4.2100e-003	0.1299	0.0340	4.0100e-003	0.0379		213.4298	213.4298	0.0129		213.7520

North County 18A, M - San Diego County, Winter

3.3 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.4964	0.1420	1.0800e-003	0.0271	3.5100e-003	0.0306	7.8000e-003	3.3600e-003	0.0112		115.4001	115.4001	9.7200e-003		115.6432
Worker	0.0533	0.0369	0.3509	9.8000e-004	0.0986	7.0000e-004	0.0993	0.0262	6.5000e-004	0.0268		98.0297	98.0297	3.1600e-003		98.1087
Total	0.0725	0.5333	0.4928	2.0600e-003	0.1257	4.2100e-003	0.1299	0.0340	4.0100e-003	0.0379		213.4298	213.4298	0.0129		213.7520

North County 18A, M - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 18A, M - San Diego County, Winter

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 18A, M - San Diego County, Winter

3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359

North County 18A, M - San Diego County, Winter

3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359

North County 18A, M - San Diego County, Winter

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

North County 18A, M - San Diego County, Winter

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

4.0 Operational Detail - Mobile

North County 18A, M - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2823	1.5595	3.5850	0.0172	2.1441	6.3200e-003	2.1504	0.5730	5.8900e-003	0.5789		1,770.3418	1,770.3418	0.0838		1,772.4372
Unmitigated	0.2823	1.5595	3.5850	0.0172	2.1441	6.3200e-003	2.1504	0.5730	5.8900e-003	0.5789		1,770.3418	1,770.3418	0.0838		1,772.4372

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	340.00	353.94	307.70	963,314	963,314
Total	340.00	353.94	307.70	963,314	963,314

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	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 18A, M - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
NaturalGas Unmitigated	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825

North County 18A, M - San Diego County, Winter

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	3458.35	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
Total		0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	3.45835	0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
Total		0.0373	0.3187	0.1356	2.0300e-003		0.0258	0.0258		0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 18A, M - San Diego 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	1.5641	0.5962	3.0327	3.7500e-003		0.0612	0.0612		0.0612	0.0612	0.0000	725.0508	725.0508	0.0186	0.0132	729.4496
Unmitigated	1.5641	0.5962	3.0327	3.7500e-003		0.0612	0.0612		0.0612	0.0612	0.0000	725.0508	725.0508	0.0186	0.0132	729.4496

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	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3097					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0660	0.5640	0.2400	3.6000e-003		0.0456	0.0456		0.0456	0.0456	0.0000	720.0000	720.0000	0.0138	0.0132	724.2786
Landscaping	0.0835	0.0322	2.7927	1.5000e-004		0.0156	0.0156		0.0156	0.0156		5.0508	5.0508	4.8100e-003		5.1710
Total	1.5641	0.5962	3.0327	3.7500e-003		0.0612	0.0612		0.0612	0.0612	0.0000	725.0508	725.0508	0.0186	0.0132	729.4496

North County 18A, M - San Diego 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	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3097					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0660	0.5640	0.2400	3.6000e-003		0.0456	0.0456		0.0456	0.0456	0.0000	720.0000	720.0000	0.0138	0.0132	724.2786
Landscaping	0.0835	0.0322	2.7927	1.5000e-004		0.0156	0.0156		0.0156	0.0156		5.0508	5.0508	4.8100e-003		5.1710
Total	1.5641	0.5962	3.0327	3.7500e-003		0.0612	0.0612		0.0612	0.0612	0.0000	725.0508	725.0508	0.0186	0.0132	729.4496

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 18A, M - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 22, UM - San Diego County, Summer

North County 22, UM San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	52.00	Dwelling Unit	16.88	93,600.00	149

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

North County 22, UM - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	6/14/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	4/19/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	5/17/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	5/18/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/20/2019
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

North County 22, UM - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262
2019	29.5661	21.8748	17.9437	0.0302	0.1967	1.2962	1.4929	0.0531	1.2187	1.2718	0.0000	2,934.5281	2,934.5281	0.7183	0.0000	2,950.7862
Maximum	29.5661	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.873 3	6,423.873 3	1.9501	0.0000	6,472.626 2
2019	29.5661	21.8748	17.9437	0.0302	0.1967	1.2962	1.4929	0.0531	1.2187	1.2718	0.0000	2,934.528 1	2,934.528 1	0.7183	0.0000	2,950.786 2
Maximum	29.5661	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.873 3	6,423.873 3	1.9501	0.0000	6,472.626 2

[illegible]

North County 22, UM - San Diego 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	81.8718	1.6034	102.5048	0.1782		13.7971	13.7971		13.7971	13.7971	1,444.1300	613.3718	2,057.5018	1.3401	0.1136	2,124.8532
Energy	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
Mobile	0.4413	2.3545	5.6192	0.0276	3.2792	9.6600e-003	3.2889	0.8764	9.0000e-003	0.8854		2,843.5893	2,843.5893	0.1273		2,846.7706
Total	82.3702	4.4454	108.3313	0.2089	3.2792	13.8461	17.1253	0.8764	13.8455	14.7219	1,444.1300	4,079.2247	5,523.3547	1.4792	0.1250	5,597.5852

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	81.8718	1.6034	102.5048	0.1782		13.7971	13.7971		13.7971	13.7971	1,444.1300	613.3718	2,057.5018	1.3401	0.1136	2,124.8532
Energy	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
Mobile	0.4413	2.3545	5.6192	0.0276	3.2792	9.6600e-003	3.2889	0.8764	9.0000e-003	0.8854		2,843.5893	2,843.5893	0.1273		2,846.7706
Total	82.3702	4.4454	108.3313	0.2089	3.2792	13.8461	17.1253	0.8764	13.8455	14.7219	1,444.1300	4,079.2247	5,523.3547	1.4792	0.1250	5,597.5852

North County 22, UM - San Diego 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	Architectural Coating	Architectural Coating	5/18/2019	6/14/2019	5	20	
2	Building Construction	Building Construction	2/24/2018	4/19/2019	5	300	
3	Grading	Grading	1/13/2018	2/23/2018	5	30	
4	Paving	Paving	4/20/2019	5/17/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 189,540; Residential Outdoor: 63,180; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 22, UM - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	19.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

North County 22, UM - San Diego County, Summer

3.2 Architectural Coating - 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					
Archit. Coating	29.2839					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	29.5504	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	0.0157	0.0110	0.1238	3.5000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		34.8080	34.8080	1.1100e-003		34.8358
Total	0.0157	0.0110	0.1238	3.5000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		34.8080	34.8080	1.1100e-003		34.8358

North County 22, UM - San Diego County, Summer

3.2 Architectural Coating - 2019**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	29.2839					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	29.5504	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	0.0157	0.0110	0.1238	3.5000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		34.8080	34.8080	1.1100e-003		34.8358
Total	0.0157	0.0110	0.1238	3.5000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		34.8080	34.8080	1.1100e-003		34.8358

North County 22, UM - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0309	0.7905	0.2093	1.6700e-003	0.0406	6.1800e-003	0.0468	0.0117	5.9100e-003	0.0176		178.9139	178.9139	0.0142		179.2684
Worker	0.0809	0.0582	0.6504	1.7100e-003	0.1561	1.1200e-003	0.1572	0.0414	1.0400e-003	0.0424		170.4727	170.4727	5.8300e-003		170.6185
Total	0.1118	0.8488	0.8598	3.3800e-003	0.1967	7.3000e-003	0.2040	0.0531	6.9500e-003	0.0601		349.3866	349.3866	0.0200		349.8869

North County 22, UM - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0309	0.7905	0.2093	1.6700e-003	0.0406	6.1800e-003	0.0468	0.0117	5.9100e-003	0.0176		178.9139	178.9139	0.0142		179.2684
Worker	0.0809	0.0582	0.6504	1.7100e-003	0.1561	1.1200e-003	0.1572	0.0414	1.0400e-003	0.0424		170.4727	170.4727	5.8300e-003		170.6185
Total	0.1118	0.8488	0.8598	3.3800e-003	0.1967	7.3000e-003	0.2040	0.0531	6.9500e-003	0.0601		349.3866	349.3866	0.0200		349.8869

North County 22, UM - San Diego County, Summer

3.3 Building Construction - 2019**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0276	0.7439	0.1921	1.6600e-003	0.0406	5.1800e-003	0.0458	0.0117	4.9500e-003	0.0166		177.6100	177.6100	0.0137		177.9528
Worker	0.0746	0.0521	0.5879	1.6600e-003	0.1561	1.1100e-003	0.1572	0.0414	1.0300e-003	0.0424		165.3379	165.3379	5.2800e-003		165.4699
Total	0.1022	0.7960	0.7799	3.3200e-003	0.1967	6.2900e-003	0.2030	0.0531	5.9800e-003	0.0591		342.9479	342.9479	0.0190		343.4227

North County 22, UM - San Diego County, Summer

3.3 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0276	0.7439	0.1921	1.6600e-003	0.0406	5.1800e-003	0.0458	0.0117	4.9500e-003	0.0166		177.6100	177.6100	0.0137		177.9528
Worker	0.0746	0.0521	0.5879	1.6600e-003	0.1561	1.1100e-003	0.1572	0.0414	1.0300e-003	0.0424		165.3379	165.3379	5.2800e-003		165.4699
Total	0.1022	0.7960	0.7799	3.3200e-003	0.1967	6.2900e-003	0.2030	0.0531	5.9800e-003	0.0591		342.9479	342.9479	0.0190		343.4227

North County 22, UM - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 22, UM - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 22, UM - San Diego County, Summer

3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342
Total	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342

North County 22, UM - San Diego County, Summer

3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342
Total	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342

North County 22, UM - San Diego County, Summer

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

North County 22, UM - San Diego County, Summer

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

4.0 Operational Detail - Mobile

North County 22, UM - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4413	2.3545	5.6192	0.0276	3.2792	9.6600e-003	3.2889	0.8764	9.0000e-003	0.8854		2,843.5893	2,843.5893	0.1273		2,846.7706
Unmitigated	0.4413	2.3545	5.6192	0.0276	3.2792	9.6600e-003	3.2889	0.8764	9.0000e-003	0.8854		2,843.5893	2,843.5893	0.1273		2,846.7706

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	520.00	541.32	470.60	1,473,304	1,473,304
Total	520.00	541.32	470.60	1,473,304	1,473,304

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	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 22, UM - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
NaturalGas Unmitigated	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614

North County 22, UM - San Diego County, Summer

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	5289.24	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
Total		0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	5.28924	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
Total		0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 22, UM - San Diego 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	81.8718	1.6034	102.5048	0.1782		13.7971	13.7971		13.7971	13.7971	1,444.1300	613.3718	2,057.5018	1.3401	0.1136	2,124.8532
Unmitigated	81.8718	1.6034	102.5048	0.1782		13.7971	13.7971		13.7971	13.7971	1,444.1300	613.3718	2,057.5018	1.3401	0.1136	2,124.8532

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	0.1605					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	79.5805	1.5541	98.2335	0.1780		13.7733	13.7733		13.7733	13.7733	1,444.1300	605.6471	2,049.7771	1.3327	0.1136	2,116.9447
Landscaping	0.1278	0.0493	4.2712	2.3000e-004		0.0238	0.0238		0.0238	0.0238		7.7247	7.7247	7.3500e-003		7.9085
Total	81.8718	1.6034	102.5048	0.1782		13.7971	13.7971		13.7971	13.7971	1,444.1300	613.3718	2,057.5018	1.3400	0.1136	2,124.8532

North County 22, UM - San Diego 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	0.1605					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	79.5805	1.5541	98.2335	0.1780		13.7733	13.7733		13.7733	13.7733	1,444.1300	605.6471	2,049.7771	1.3327	0.1136	2,116.9447
Landscaping	0.1278	0.0493	4.2712	2.3000e-004		0.0238	0.0238		0.0238	0.0238		7.7247	7.7247	7.3500e-003		7.9085
Total	81.8718	1.6034	102.5048	0.1782		13.7971	13.7971		13.7971	13.7971	1,444.1300	613.3718	2,057.5018	1.3400	0.1136	2,124.8532

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 22, UM - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 22, M - San Diego County, Summer

North County 22, M
San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	52.00	Dwelling Unit	16.88	93,600.00	149

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

North County 22, M - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	6/14/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	4/19/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	5/17/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	5/18/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/20/2019
tblFireplaces	NumberGas	28.60	52.00
tblFireplaces	NumberNoFireplace	5.20	0.00
tblFireplaces	NumberWood	18.20	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05

North County 22, M - San Diego County, Summer

tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	2.60	0.00
tblWoodstoves	NumberNoncatalytic	2.60	0.00

2.0 Emissions Summary

North County 22, M - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262
2019	29.5661	21.8748	17.9437	0.0302	0.1967	1.2962	1.4929	0.0531	1.2187	1.2718	0.0000	2,934.5281	2,934.5281	0.7183	0.0000	2,950.7862
Maximum	29.5661	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262
2019	29.5661	21.8748	17.9437	0.0302	0.1967	1.2962	1.4929	0.0531	1.2187	1.2718	0.0000	2,934.5281	2,934.5281	0.7183	0.0000	2,950.7862
Maximum	29.5661	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262

[illegible]

North County 22, M - San Diego 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	2.3922	0.9119	4.6383	5.7300e-003		0.0935	0.0935		0.0935	0.0935	0.0000	1,108.9012	1,108.9012	0.0285	0.0202	1,115.6288
Energy	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
Mobile	0.4413	2.3545	5.6192	0.0276	3.2792	9.6600e-003	3.2889	0.8764	9.0000e-003	0.8854		2,843.5893	2,843.5893	0.1273		2,846.7706
Total	2.8906	3.7538	10.4649	0.0364	3.2792	0.1426	3.4218	0.8764	0.1419	1.0184	0.0000	4,574.7541	4,574.7541	0.1676	0.0316	4,588.3608

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	2.3922	0.9119	4.6383	5.7300e-003		0.0935	0.0935		0.0935	0.0935	0.0000	1,108.9012	1,108.9012	0.0285	0.0202	1,115.6288
Energy	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
Mobile	0.4413	2.3545	5.6192	0.0276	3.2792	9.6600e-003	3.2889	0.8764	9.0000e-003	0.8854		2,843.5893	2,843.5893	0.1273		2,846.7706
Total	2.8906	3.7538	10.4649	0.0364	3.2792	0.1426	3.4218	0.8764	0.1419	1.0184	0.0000	4,574.7541	4,574.7541	0.1676	0.0316	4,588.3608

North County 22, M - San Diego 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	Architectural Coating	Architectural Coating	5/18/2019	6/14/2019	5	20	
2	Building Construction	Building Construction	2/24/2018	4/19/2019	5	300	
3	Grading	Grading	1/13/2018	2/23/2018	5	30	
4	Paving	Paving	4/20/2019	5/17/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 189,540; Residential Outdoor: 63,180; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 22, M - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	19.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

North County 22, M - San Diego County, Summer

3.2 Architectural Coating - 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					
Archit. Coating	29.2839					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	29.5504	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	0.0157	0.0110	0.1238	3.5000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		34.8080	34.8080	1.1100e-003		34.8358
Total	0.0157	0.0110	0.1238	3.5000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		34.8080	34.8080	1.1100e-003		34.8358

North County 22, M - San Diego County, Summer

3.2 Architectural Coating - 2019**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	29.2839					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	29.5504	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	0.0157	0.0110	0.1238	3.5000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		34.8080	34.8080	1.1100e-003		34.8358
Total	0.0157	0.0110	0.1238	3.5000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		34.8080	34.8080	1.1100e-003		34.8358

North County 22, M - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0309	0.7905	0.2093	1.6700e-003	0.0406	6.1800e-003	0.0468	0.0117	5.9100e-003	0.0176		178.9139	178.9139	0.0142		179.2684
Worker	0.0809	0.0582	0.6504	1.7100e-003	0.1561	1.1200e-003	0.1572	0.0414	1.0400e-003	0.0424		170.4727	170.4727	5.8300e-003		170.6185
Total	0.1118	0.8488	0.8598	3.3800e-003	0.1967	7.3000e-003	0.2040	0.0531	6.9500e-003	0.0601		349.3866	349.3866	0.0200		349.8869

North County 22, M - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0309	0.7905	0.2093	1.6700e-003	0.0406	6.1800e-003	0.0468	0.0117	5.9100e-003	0.0176		178.9139	178.9139	0.0142		179.2684
Worker	0.0809	0.0582	0.6504	1.7100e-003	0.1561	1.1200e-003	0.1572	0.0414	1.0400e-003	0.0424		170.4727	170.4727	5.8300e-003		170.6185
Total	0.1118	0.8488	0.8598	3.3800e-003	0.1967	7.3000e-003	0.2040	0.0531	6.9500e-003	0.0601		349.3866	349.3866	0.0200		349.8869

North County 22, M - San Diego County, Summer

3.3 Building Construction - 2019**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0276	0.7439	0.1921	1.6600e-003	0.0406	5.1800e-003	0.0458	0.0117	4.9500e-003	0.0166		177.6100	177.6100	0.0137		177.9528
Worker	0.0746	0.0521	0.5879	1.6600e-003	0.1561	1.1100e-003	0.1572	0.0414	1.0300e-003	0.0424		165.3379	165.3379	5.2800e-003		165.4699
Total	0.1022	0.7960	0.7799	3.3200e-003	0.1967	6.2900e-003	0.2030	0.0531	5.9800e-003	0.0591		342.9479	342.9479	0.0190		343.4227

North County 22, M - San Diego County, Summer

3.3 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0276	0.7439	0.1921	1.6600e-003	0.0406	5.1800e-003	0.0458	0.0117	4.9500e-003	0.0166		177.6100	177.6100	0.0137		177.9528
Worker	0.0746	0.0521	0.5879	1.6600e-003	0.1561	1.1100e-003	0.1572	0.0414	1.0300e-003	0.0424		165.3379	165.3379	5.2800e-003		165.4699
Total	0.1022	0.7960	0.7799	3.3200e-003	0.1967	6.2900e-003	0.2030	0.0531	5.9800e-003	0.0591		342.9479	342.9479	0.0190		343.4227

North County 22, M - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 22, M - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 22, M - San Diego County, Summer

3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342
Total	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342

North County 22, M - San Diego County, Summer

3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342
Total	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342

North County 22, M - San Diego County, Summer

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

North County 22, M - San Diego County, Summer

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

4.0 Operational Detail - Mobile

North County 22, M - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4413	2.3545	5.6192	0.0276	3.2792	9.6600e-003	3.2889	0.8764	9.0000e-003	0.8854		2,843.5893	2,843.5893	0.1273		2,846.7706
Unmitigated	0.4413	2.3545	5.6192	0.0276	3.2792	9.6600e-003	3.2889	0.8764	9.0000e-003	0.8854		2,843.5893	2,843.5893	0.1273		2,846.7706

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	520.00	541.32	470.60	1,473,304	1,473,304
Total	520.00	541.32	470.60	1,473,304	1,473,304

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 22, M - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
NaturalGas Unmitigated	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614

North County 22, M - San Diego County, Summer

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	5289.24	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
Total		0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	5.28924	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
Total		0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 22, M - San Diego 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	2.3922	0.9119	4.6383	5.7300e-003		0.0935	0.0935		0.0935	0.0935	0.0000	1,108.9012	1,108.9012	0.0285	0.0202	1,115.6288
Unmitigated	2.3922	0.9119	4.6383	5.7300e-003		0.0935	0.0935		0.0935	0.0935	0.0000	1,108.9012	1,108.9012	0.0285	0.0202	1,115.6288

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	0.1605					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1009	0.8626	0.3671	5.5100e-003		0.0697	0.0697		0.0697	0.0697	0.0000	1,101.1765	1,101.1765	0.0211	0.0202	1,107.7202
Landscaping	0.1278	0.0493	4.2712	2.3000e-004		0.0238	0.0238		0.0238	0.0238		7.7247	7.7247	7.3500e-003		7.9085
Total	2.3922	0.9119	4.6383	5.7400e-003		0.0935	0.0935		0.0935	0.0935	0.0000	1,108.9012	1,108.9012	0.0285	0.0202	1,115.6288

North County 22, M - San Diego 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	0.1605					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1009	0.8626	0.3671	5.5100e-003		0.0697	0.0697		0.0697	0.0697	0.0000	1,101.1765	1,101.1765	0.0211	0.0202	1,107.7202
Landscaping	0.1278	0.0493	4.2712	2.3000e-004		0.0238	0.0238		0.0238	0.0238		7.7247	7.7247	7.3500e-003		7.9085
Total	2.3922	0.9119	4.6383	5.7400e-003		0.0935	0.0935		0.0935	0.0935	0.0000	1,108.9012	1,108.9012	0.0285	0.0202	1,115.6288

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 22, M - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 22, UM - San Diego County, Winter

North County 22, UM San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	52.00	Dwelling Unit	16.88	93,600.00	149

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

North County 22, UM - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	6/14/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	4/19/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	5/17/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	5/18/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/20/2019
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

North County 22, UM - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392
2019	29.5681	21.8818	17.9323	0.0301	0.1967	1.2963	1.4929	0.0531	1.2188	1.2719	0.0000	2,919.8939	2,919.8939	0.7180	0.0000	2,936.1672
Maximum	29.5681	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392
2019	29.5681	21.8818	17.9323	0.0301	0.1967	1.2963	1.4929	0.0531	1.2188	1.2719	0.0000	2,919.8939	2,919.8939	0.7180	0.0000	2,936.1672
Maximum	29.5681	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392

[illegible]

North County 22, UM - San Diego 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	81.8718	1.6034	102.5048	0.1782		13.7971	13.7971		13.7971	13.7971	1,444.1300	613.3718	2,057.5018	1.3401	0.1136	2,124.8532
Energy	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
Mobile	0.4317	2.3851	5.4829	0.0263	3.2792	9.6700e-003	3.2889	0.8764	9.0100e-003	0.8854		2,707.5816	2,707.5816	0.1282		2,710.7863
Total	82.3606	4.4760	108.1950	0.2076	3.2792	13.8462	17.1254	0.8764	13.8455	14.7219	1,444.1300	3,943.2170	5,387.3470	1.4802	0.1250	5,461.6009

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	81.8718	1.6034	102.5048	0.1782		13.7971	13.7971		13.7971	13.7971	1,444.1300	613.3718	2,057.5018	1.3401	0.1136	2,124.8532
Energy	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
Mobile	0.4317	2.3851	5.4829	0.0263	3.2792	9.6700e-003	3.2889	0.8764	9.0100e-003	0.8854		2,707.5816	2,707.5816	0.1282		2,710.7863
Total	82.3606	4.4760	108.1950	0.2076	3.2792	13.8462	17.1254	0.8764	13.8455	14.7219	1,444.1300	3,943.2170	5,387.3470	1.4802	0.1250	5,461.6009

North County 22, UM - San Diego 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	Architectural Coating	Architectural Coating	5/18/2019	6/14/2019	5	20	
2	Building Construction	Building Construction	2/24/2018	4/19/2019	5	300	
3	Grading	Grading	1/13/2018	2/23/2018	5	30	
4	Paving	Paving	4/20/2019	5/17/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 189,540; Residential Outdoor: 63,180; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 22, UM - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	19.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

North County 22, UM - San Diego County, Winter

3.2 Architectural Coating - 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					
Archit. Coating	29.2839					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	29.5504	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	0.0178	0.0123	0.1170	3.3000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		32.6766	32.6766	1.0500e-003		32.7029
Total	0.0178	0.0123	0.1170	3.3000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		32.6766	32.6766	1.0500e-003		32.7029

North County 22, UM - San Diego County, Winter

3.2 Architectural Coating - 2019**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	29.2839					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	29.5504	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	0.0178	0.0123	0.1170	3.3000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		32.6766	32.6766	1.0500e-003		32.7029
Total	0.0178	0.0123	0.1170	3.3000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		32.6766	32.6766	1.0500e-003		32.7029

North County 22, UM - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0323	0.7919	0.2316	1.6300e-003	0.0406	6.2900e-003	0.0469	0.0117	6.0100e-003	0.0177		174.4188	174.4188	0.0151		174.7961
Worker	0.0914	0.0654	0.6170	1.6100e-003	0.1561	1.1200e-003	0.1572	0.0414	1.0400e-003	0.0424		160.0422	160.0422	5.5500e-003		160.1808
Total	0.1236	0.8573	0.8486	3.2400e-003	0.1967	7.4100e-003	0.2041	0.0531	7.0500e-003	0.0602		334.4609	334.4609	0.0206		334.9769

North County 22, UM - San Diego County, Winter

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0323	0.7919	0.2316	1.6300e-003	0.0406	6.2900e-003	0.0469	0.0117	6.0100e-003	0.0177		174.4188	174.4188	0.0151		174.7961
Worker	0.0914	0.0654	0.6170	1.6100e-003	0.1561	1.1200e-003	0.1572	0.0414	1.0400e-003	0.0424		160.0422	160.0422	5.5500e-003		160.1808
Total	0.1236	0.8573	0.8486	3.2400e-003	0.1967	7.4100e-003	0.2041	0.0531	7.0500e-003	0.0602		334.4609	334.4609	0.0206		334.9769

North County 22, UM - San Diego County, Winter

3.3 Building Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0288	0.7445	0.2129	1.6200e-003	0.0406	5.2700e-003	0.0459	0.0117	5.0400e-003	0.0167		173.1002	173.1002	0.0146		173.4648
Worker	0.0844	0.0585	0.5556	1.5600e-003	0.1561	1.1100e-003	0.1572	0.0414	1.0300e-003	0.0424		155.2136	155.2136	5.0100e-003		155.3388
Total	0.1132	0.8030	0.7685	3.1800e-003	0.1967	6.3800e-003	0.2031	0.0531	6.0700e-003	0.0592		328.3138	328.3138	0.0196		328.8037

North County 22, UM - San Diego County, Winter

3.3 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0288	0.7445	0.2129	1.6200e-003	0.0406	5.2700e-003	0.0459	0.0117	5.0400e-003	0.0167		173.1002	173.1002	0.0146		173.4648
Worker	0.0844	0.0585	0.5556	1.5600e-003	0.1561	1.1100e-003	0.1572	0.0414	1.0300e-003	0.0424		155.2136	155.2136	5.0100e-003		155.3388
Total	0.1132	0.8030	0.7685	3.1800e-003	0.1967	6.3800e-003	0.2031	0.0531	6.0700e-003	0.0592		328.3138	328.3138	0.0196		328.8037

North County 22, UM - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 22, UM - San Diego County, Winter

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 22, UM - San Diego County, Winter

3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359

North County 22, UM - San Diego County, Winter

3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359

North County 22, UM - San Diego County, Winter

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

North County 22, UM - San Diego County, Winter

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

4.0 Operational Detail - Mobile

North County 22, UM - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4317	2.3851	5.4829	0.0263	3.2792	9.6700e-003	3.2889	0.8764	9.0100e-003	0.8854		2,707.5816	2,707.5816	0.1282		2,710.7863
Unmitigated	0.4317	2.3851	5.4829	0.0263	3.2792	9.6700e-003	3.2889	0.8764	9.0100e-003	0.8854		2,707.5816	2,707.5816	0.1282		2,710.7863

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	520.00	541.32	470.60	1,473,304	1,473,304
Total	520.00	541.32	470.60	1,473,304	1,473,304

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	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 22, UM - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
NaturalGas Unmitigated	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614

North County 22, UM - San Diego County, Winter

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	5289.24	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
Total		0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	5.28924	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
Total		0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 22, UM - San Diego 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	81.8718	1.6034	102.5048	0.1782		13.7971	13.7971		13.7971	13.7971	1,444.1300	613.3718	2,057.5018	1.3401	0.1136	2,124.8532
Unmitigated	81.8718	1.6034	102.5048	0.1782		13.7971	13.7971		13.7971	13.7971	1,444.1300	613.3718	2,057.5018	1.3401	0.1136	2,124.8532

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	0.1605					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	79.5805	1.5541	98.2335	0.1780		13.7733	13.7733		13.7733	13.7733	1,444.1300	605.6471	2,049.7771	1.3327	0.1136	2,116.9447
Landscaping	0.1278	0.0493	4.2712	2.3000e-004		0.0238	0.0238		0.0238	0.0238		7.7247	7.7247	7.3500e-003		7.9085
Total	81.8718	1.6034	102.5048	0.1782		13.7971	13.7971		13.7971	13.7971	1,444.1300	613.3718	2,057.5018	1.3400	0.1136	2,124.8532

North County 22, UM - San Diego 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	0.1605					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	79.5805	1.5541	98.2335	0.1780		13.7733	13.7733		13.7733	13.7733	1,444.1300	605.6471	2,049.7771	1.3327	0.1136	2,116.9447
Landscaping	0.1278	0.0493	4.2712	2.3000e-004		0.0238	0.0238		0.0238	0.0238		7.7247	7.7247	7.3500e-003		7.9085
Total	81.8718	1.6034	102.5048	0.1782		13.7971	13.7971		13.7971	13.7971	1,444.1300	613.3718	2,057.5018	1.3400	0.1136	2,124.8532

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 22, UM - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 22, M - San Diego County, Winter

North County 22, M San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	52.00	Dwelling Unit	16.88	93,600.00	149

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

North County 22, M - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	6/14/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	4/19/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	5/17/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	5/18/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/20/2019
tblFireplaces	NumberGas	28.60	52.00
tblFireplaces	NumberNoFireplace	5.20	0.00
tblFireplaces	NumberWood	18.20	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05

North County 22, M - San Diego County, Winter

tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	2.60	0.00
tblWoodstoves	NumberNoncatalytic	2.60	0.00

2.0 Emissions Summary

North County 22, M - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392
2019	29.5681	21.8818	17.9323	0.0301	0.1967	1.2963	1.4929	0.0531	1.2188	1.2719	0.0000	2,919.8939	2,919.8939	0.7180	0.0000	2,936.1672
Maximum	29.5681	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392
2019	29.5681	21.8818	17.9323	0.0301	0.1967	1.2963	1.4929	0.0531	1.2188	1.2719	0.0000	2,919.8939	2,919.8939	0.7180	0.0000	2,936.1672
Maximum	29.5681	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392

[illegible]

North County 22, M - San Diego 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	2.3922	0.9119	4.6383	5.7300e-003		0.0935	0.0935		0.0935	0.0935	0.0000	1,108.9012	1,108.9012	0.0285	0.0202	1,115.6288
Energy	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
Mobile	0.4317	2.3851	5.4829	0.0263	3.2792	9.6700e-003	3.2889	0.8764	9.0100e-003	0.8854		2,707.5816	2,707.5816	0.1282		2,710.7863
Total	2.8810	3.7844	10.3286	0.0351	3.2792	0.1426	3.4218	0.8764	0.1420	1.0184	0.0000	4,438.7464	4,438.7464	0.1686	0.0316	4,452.3764

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	2.3922	0.9119	4.6383	5.7300e-003		0.0935	0.0935		0.0935	0.0935	0.0000	1,108.9012	1,108.9012	0.0285	0.0202	1,115.6288
Energy	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
Mobile	0.4317	2.3851	5.4829	0.0263	3.2792	9.6700e-003	3.2889	0.8764	9.0100e-003	0.8854		2,707.5816	2,707.5816	0.1282		2,710.7863
Total	2.8810	3.7844	10.3286	0.0351	3.2792	0.1426	3.4218	0.8764	0.1420	1.0184	0.0000	4,438.7464	4,438.7464	0.1686	0.0316	4,452.3764

North County 22, M - San Diego 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	Architectural Coating	Architectural Coating	5/18/2019	6/14/2019	5	20	
2	Building Construction	Building Construction	2/24/2018	4/19/2019	5	300	
3	Grading	Grading	1/13/2018	2/23/2018	5	30	
4	Paving	Paving	4/20/2019	5/17/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 189,540; Residential Outdoor: 63,180; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 22, M - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	19.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

North County 22, M - San Diego County, Winter

3.2 Architectural Coating - 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					
Archit. Coating	29.2839					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	29.5504	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	0.0178	0.0123	0.1170	3.3000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		32.6766	32.6766	1.0500e-003		32.7029
Total	0.0178	0.0123	0.1170	3.3000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		32.6766	32.6766	1.0500e-003		32.7029

North County 22, M - San Diego County, Winter

3.2 Architectural Coating - 2019**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	29.2839					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	29.5504	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	0.0178	0.0123	0.1170	3.3000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		32.6766	32.6766	1.0500e-003		32.7029
Total	0.0178	0.0123	0.1170	3.3000e-004	0.0329	2.3000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		32.6766	32.6766	1.0500e-003		32.7029

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3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0323	0.7919	0.2316	1.6300e-003	0.0406	6.2900e-003	0.0469	0.0117	6.0100e-003	0.0177		174.4188	174.4188	0.0151		174.7961
Worker	0.0914	0.0654	0.6170	1.6100e-003	0.1561	1.1200e-003	0.1572	0.0414	1.0400e-003	0.0424		160.0422	160.0422	5.5500e-003		160.1808
Total	0.1236	0.8573	0.8486	3.2400e-003	0.1967	7.4100e-003	0.2041	0.0531	7.0500e-003	0.0602		334.4609	334.4609	0.0206		334.9769

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3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0323	0.7919	0.2316	1.6300e-003	0.0406	6.2900e-003	0.0469	0.0117	6.0100e-003	0.0177		174.4188	174.4188	0.0151		174.7961
Worker	0.0914	0.0654	0.6170	1.6100e-003	0.1561	1.1200e-003	0.1572	0.0414	1.0400e-003	0.0424		160.0422	160.0422	5.5500e-003		160.1808
Total	0.1236	0.8573	0.8486	3.2400e-003	0.1967	7.4100e-003	0.2041	0.0531	7.0500e-003	0.0602		334.4609	334.4609	0.0206		334.9769

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3.3 Building Construction - 2019**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0288	0.7445	0.2129	1.6200e-003	0.0406	5.2700e-003	0.0459	0.0117	5.0400e-003	0.0167		173.1002	173.1002	0.0146		173.4648
Worker	0.0844	0.0585	0.5556	1.5600e-003	0.1561	1.1100e-003	0.1572	0.0414	1.0300e-003	0.0424		155.2136	155.2136	5.0100e-003		155.3388
Total	0.1132	0.8030	0.7685	3.1800e-003	0.1967	6.3800e-003	0.2031	0.0531	6.0700e-003	0.0592		328.3138	328.3138	0.0196		328.8037

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3.3 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0288	0.7445	0.2129	1.6200e-003	0.0406	5.2700e-003	0.0459	0.0117	5.0400e-003	0.0167		173.1002	173.1002	0.0146		173.4648
Worker	0.0844	0.0585	0.5556	1.5600e-003	0.1561	1.1100e-003	0.1572	0.0414	1.0300e-003	0.0424		155.2136	155.2136	5.0100e-003		155.3388
Total	0.1132	0.8030	0.7685	3.1800e-003	0.1967	6.3800e-003	0.2031	0.0531	6.0700e-003	0.0592		328.3138	328.3138	0.0196		328.8037

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3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

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3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 22, M - San Diego County, Winter

3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359

North County 22, M - San Diego County, Winter

3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359

North County 22, M - San Diego County, Winter

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

North County 22, M - San Diego County, Winter

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

4.0 Operational Detail - Mobile

North County 22, M - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4317	2.3851	5.4829	0.0263	3.2792	9.6700e-003	3.2889	0.8764	9.0100e-003	0.8854		2,707.5816	2,707.5816	0.1282		2,710.7863
Unmitigated	0.4317	2.3851	5.4829	0.0263	3.2792	9.6700e-003	3.2889	0.8764	9.0100e-003	0.8854		2,707.5816	2,707.5816	0.1282		2,710.7863

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	520.00	541.32	470.60	1,473,304	1,473,304
Total	520.00	541.32	470.60	1,473,304	1,473,304

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	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 22, M - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
NaturalGas Unmitigated	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614

North County 22, M - San Diego County, Winter

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	5289.24	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
Total		0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	5.28924	0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
Total		0.0570	0.4874	0.2074	3.1100e-003		0.0394	0.0394		0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 22, M - San Diego 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	2.3922	0.9119	4.6383	5.7300e-003		0.0935	0.0935		0.0935	0.0935	0.0000	1,108.9012	1,108.9012	0.0285	0.0202	1,115.6288
Unmitigated	2.3922	0.9119	4.6383	5.7300e-003		0.0935	0.0935		0.0935	0.0935	0.0000	1,108.9012	1,108.9012	0.0285	0.0202	1,115.6288

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	0.1605					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1009	0.8626	0.3671	5.5100e-003		0.0697	0.0697		0.0697	0.0697	0.0000	1,101.1765	1,101.1765	0.0211	0.0202	1,107.7202
Landscaping	0.1278	0.0493	4.2712	2.3000e-004		0.0238	0.0238		0.0238	0.0238		7.7247	7.7247	7.3500e-003		7.9085
Total	2.3922	0.9119	4.6383	5.7400e-003		0.0935	0.0935		0.0935	0.0935	0.0000	1,108.9012	1,108.9012	0.0285	0.0202	1,115.6288

North County 22, M - San Diego 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	0.1605					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1009	0.8626	0.3671	5.5100e-003		0.0697	0.0697		0.0697	0.0697	0.0000	1,101.1765	1,101.1765	0.0211	0.0202	1,107.7202
Landscaping	0.1278	0.0493	4.2712	2.3000e-004		0.0238	0.0238		0.0238	0.0238		7.7247	7.7247	7.3500e-003		7.9085
Total	2.3922	0.9119	4.6383	5.7400e-003		0.0935	0.0935		0.0935	0.0935	0.0000	1,108.9012	1,108.9012	0.0285	0.0202	1,115.6288

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 22, M - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 37, UM - San Diego County, Summer

North County 37, UM San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	12.00	Dwelling Unit	3.90	21,600.00	34

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

North County 37, UM - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	1/24/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/5/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/17/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	12/31/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/5/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/1/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	1/18/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/6/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/6/2018
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

North County 37, UM - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6393	48.2539	23.0925	0.0397	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,993.1243	3,993.1243	1.1984	0.0000	4,023.0834
2019	7.7791	1.8381	1.8723	3.0600e-003	8.2100e-003	0.1288	0.1370	2.1800e-003	0.1288	0.1310	0.0000	290.1501	290.1501	0.0241	0.0000	290.7513
Maximum	7.7791	48.2539	23.0925	0.0397	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,993.1243	3,993.1243	1.1984	0.0000	4,023.0834

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6393	48.2539	23.0925	0.0397	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,993.1243	3,993.1243	1.1984	0.0000	4,023.0834
2019	7.7791	1.8381	1.8723	3.0600e-003	8.2100e-003	0.1288	0.1370	2.1800e-003	0.1288	0.1310	0.0000	290.1501	290.1501	0.0241	0.0000	290.7513
Maximum	7.7791	48.2539	23.0925	0.0397	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,993.1243	3,993.1243	1.1984	0.0000	4,023.0834

[illegible]

North County 37, UM - San Diego 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	18.8935	0.3700	23.6549	0.0411		3.1839	3.1839		3.1839	3.1839	333.2608	141.5473	474.8081	0.3092	0.0262	490.3508
Energy	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
Mobile	0.1018	0.5433	1.2967	6.3700e-003	0.7567	2.2300e-003	0.7590	0.2023	2.0800e-003	0.2043		656.2129	656.2129	0.0294		656.9471
Total	19.0085	1.0259	24.9995	0.0482	0.7567	3.1953	3.9520	0.2023	3.1951	3.3974	333.2608	941.3595	1,274.6203	0.3414	0.0288	1,291.7504

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	18.8935	0.3700	23.6549	0.0411		3.1839	3.1839		3.1839	3.1839	333.2608	141.5473	474.8081	0.3092	0.0262	490.3508
Energy	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
Mobile	0.1018	0.5433	1.2967	6.3700e-003	0.7567	2.2300e-003	0.7590	0.2023	2.0800e-003	0.2043		656.2129	656.2129	0.0294		656.9471
Total	19.0085	1.0259	24.9995	0.0482	0.7567	3.1953	3.9520	0.2023	3.1951	3.3974	333.2608	941.3595	1,274.6203	0.3414	0.0288	1,291.7504

North County 37, UM - San Diego 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	Architectural Coating	Architectural Coating	1/1/2019	1/24/2019	5	18	
2	Building Construction	Building Construction	1/18/2018	12/5/2018	5	230	
3	Grading	Grading	1/6/2018	1/17/2018	5	8	
4	Paving	Paving	12/6/2018	12/31/2018	5	18	
5	Site Preparation	Site Preparation	1/1/2018	1/5/2018	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 43,740; Residential Outdoor: 14,580; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 37, UM - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	4.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

North County 37, UM - San Diego County, Summer

3.1 Mitigation Measures Construction**3.2 Architectural Coating - 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					
Archit. Coating	7.5087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	7.7751	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.9300e-003	2.7400e-003	0.0309	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7020	8.7020	2.8000e-004		8.7089
Total	3.9300e-003	2.7400e-003	0.0309	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7020	8.7020	2.8000e-004		8.7089

North County 37, UM - San Diego County, Summer

3.2 Architectural Coating - 2019**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	7.5087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	7.7751	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.9300e-003	2.7400e-003	0.0309	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7020	8.7020	2.8000e-004		8.7089
Total	3.9300e-003	2.7400e-003	0.0309	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7020	8.7020	2.8000e-004		8.7089

North County 37, UM - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.1600e-003	0.1318	0.0349	2.8000e-004	6.7700e-003	1.0300e-003	7.8000e-003	1.9500e-003	9.9000e-004	2.9300e-003		29.8190	29.8190	2.3600e-003		29.8781
Worker	0.0170	0.0123	0.1369	3.6000e-004	0.0329	2.4000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		35.8890	35.8890	1.2300e-003		35.9197
Total	0.0222	0.1440	0.1718	6.4000e-004	0.0396	1.2700e-003	0.0409	0.0107	1.2100e-003	0.0119		65.7080	65.7080	3.5900e-003		65.7978

North County 37, UM - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.1600e-003	0.1318	0.0349	2.8000e-004	6.7700e-003	1.0300e-003	7.8000e-003	1.9500e-003	9.9000e-004	2.9300e-003		29.8190	29.8190	2.3600e-003		29.8781
Worker	0.0170	0.0123	0.1369	3.6000e-004	0.0329	2.4000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		35.8890	35.8890	1.2300e-003		35.9197
Total	0.0222	0.1440	0.1718	6.4000e-004	0.0396	1.2700e-003	0.0409	0.0107	1.2100e-003	0.0119		65.7080	65.7080	3.5900e-003		65.7978

North County 37, UM - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947		2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0639	0.0460	0.5135	1.3500e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		134.5837	134.5837	4.6100e-003		134.6988
Total	0.0639	0.0460	0.5135	1.3500e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		134.5837	134.5837	4.6100e-003		134.6988

North County 37, UM - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0639	0.0460	0.5135	1.3500e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		134.5837	134.5837	4.6100e-003		134.6988
Total	0.0639	0.0460	0.5135	1.3500e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		134.5837	134.5837	4.6100e-003		134.6988

North County 37, UM - San Diego County, Summer

3.5 Paving - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 37, UM - San Diego County, Summer

3.5 Paving - 2018**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	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 37, UM - San Diego County, Summer

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

North County 37, UM - San Diego County, Summer

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

4.0 Operational Detail - Mobile

North County 37, UM - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1018	0.5433	1.2967	6.3700e-003	0.7567	2.2300e-003	0.7590	0.2023	2.0800e-003	0.2043		656.2129	656.2129	0.0294		656.9471
Unmitigated	0.1018	0.5433	1.2967	6.3700e-003	0.7567	2.2300e-003	0.7590	0.2023	2.0800e-003	0.2043		656.2129	656.2129	0.0294		656.9471

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	120.00	124.92	108.60	339,993	339,993
Total	120.00	124.92	108.60	339,993	339,993

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	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 37, UM - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
NaturalGas Unmitigated	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526

North County 37, UM - San Diego County, Summer

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	1220.59	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
Total		0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1.22059	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
Total		0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 37, UM - San Diego 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	18.8935	0.3700	23.6549	0.0411		3.1839	3.1839		3.1839	3.1839	333.2608	141.5473	474.8081	0.3092	0.0262	490.3508
Unmitigated	18.8935	0.3700	23.6549	0.0411		3.1839	3.1839		3.1839	3.1839	333.2608	141.5473	474.8081	0.3092	0.0262	490.3508

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	0.0370					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4622					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	18.3647	0.3586	22.6693	0.0411		3.1785	3.1785		3.1785	3.1785	333.2608	139.7647	473.0255	0.3075	0.0262	488.5257
Landscaping	0.0295	0.0114	0.9857	5.0000e-005		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003		1.7826	1.7826	1.7000e-003		1.8251
Total	18.8935	0.3700	23.6550	0.0411		3.1839	3.1839		3.1839	3.1839	333.2608	141.5473	474.8081	0.3092	0.0262	490.3508

North County 37, UM - San Diego 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	0.0370					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4622					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	18.3647	0.3586	22.6693	0.0411		3.1785	3.1785		3.1785	3.1785	333.2608	139.7647	473.0255	0.3075	0.0262	488.5257
Landscaping	0.0295	0.0114	0.9857	5.0000e-005		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003		1.7826	1.7826	1.7000e-003		1.8251
Total	18.8935	0.3700	23.6550	0.0411		3.1839	3.1839		3.1839	3.1839	333.2608	141.5473	474.8081	0.3092	0.0262	490.3508

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 37, UM - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 37, M - San Diego County, Summer

North County 37, M
San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	12.00	Dwelling Unit	3.90	21,600.00	34

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

North County 37, M - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	1/24/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/5/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/17/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	12/31/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/5/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/1/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	1/18/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/6/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/6/2018
tblFireplaces	NumberGas	6.60	12.00
tblFireplaces	NumberNoFireplace	1.20	0.00
tblFireplaces	NumberWood	4.20	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05

North County 37, M - San Diego County, Summer

tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	0.60	0.00
tblWoodstoves	NumberNoncatalytic	0.60	0.00

2.0 Emissions Summary

North County 37, M - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6393	48.2539	23.0925	0.0397	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,993.1243	3,993.1243	1.1984	0.0000	4,023.0834
2019	7.7791	1.8381	1.8723	3.0600e-003	8.2100e-003	0.1288	0.1370	2.1800e-003	0.1288	0.1310	0.0000	290.1501	290.1501	0.0241	0.0000	290.7513
Maximum	7.7791	48.2539	23.0925	0.0397	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,993.1243	3,993.1243	1.1984	0.0000	4,023.0834

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6393	48.2539	23.0925	0.0397	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,993.1243	3,993.1243	1.1984	0.0000	4,023.0834
2019	7.7791	1.8381	1.8723	3.0600e-003	8.2100e-003	0.1288	0.1370	2.1800e-003	0.1288	0.1310	0.0000	290.1501	290.1501	0.0241	0.0000	290.7513
Maximum	7.7791	48.2539	23.0925	0.0397	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,993.1243	3,993.1243	1.1984	0.0000	4,023.0834

[illegible]

North County 37, M - San Diego 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	0.5520	0.2104	1.0704	1.3200e-003		0.0216	0.0216		0.0216	0.0216	0.0000	255.9003	255.9003	6.5700e-003	4.6600e-003	257.4528
Energy	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
Mobile	0.1018	0.5433	1.2967	6.3700e-003	0.7567	2.2300e-003	0.7590	0.2023	2.0800e-003	0.2043		656.2129	656.2129	0.0294		656.9471
Total	0.6670	0.8663	2.4150	8.4100e-003	0.7567	0.0329	0.7896	0.2023	0.0328	0.2350	0.0000	1,055.7125	1,055.7125	0.0387	7.2900e-003	1,058.8525

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	0.5520	0.2104	1.0704	1.3200e-003		0.0216	0.0216		0.0216	0.0216	0.0000	255.9003	255.9003	6.5700e-003	4.6600e-003	257.4528
Energy	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
Mobile	0.1018	0.5433	1.2967	6.3700e-003	0.7567	2.2300e-003	0.7590	0.2023	2.0800e-003	0.2043		656.2129	656.2129	0.0294		656.9471
Total	0.6670	0.8663	2.4150	8.4100e-003	0.7567	0.0329	0.7896	0.2023	0.0328	0.2350	0.0000	1,055.7125	1,055.7125	0.0387	7.2900e-003	1,058.8525

North County 37, M - San Diego 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	Architectural Coating	Architectural Coating	1/1/2019	1/24/2019	5	18	
2	Building Construction	Building Construction	1/18/2018	12/5/2018	5	230	
3	Grading	Grading	1/6/2018	1/17/2018	5	8	
4	Paving	Paving	12/6/2018	12/31/2018	5	18	
5	Site Preparation	Site Preparation	1/1/2018	1/5/2018	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 43,740; Residential Outdoor: 14,580; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 37, M - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	4.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

North County 37, M - San Diego County, Summer

3.1 Mitigation Measures Construction**3.2 Architectural Coating - 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					
Archit. Coating	7.5087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	7.7751	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.9300e-003	2.7400e-003	0.0309	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7020	8.7020	2.8000e-004		8.7089
Total	3.9300e-003	2.7400e-003	0.0309	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7020	8.7020	2.8000e-004		8.7089

North County 37, M - San Diego County, Summer

3.2 Architectural Coating - 2019**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	7.5087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	7.7751	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.9300e-003	2.7400e-003	0.0309	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7020	8.7020	2.8000e-004		8.7089
Total	3.9300e-003	2.7400e-003	0.0309	9.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.7020	8.7020	2.8000e-004		8.7089

North County 37, M - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.1600e-003	0.1318	0.0349	2.8000e-004	6.7700e-003	1.0300e-003	7.8000e-003	1.9500e-003	9.9000e-004	2.9300e-003		29.8190	29.8190	2.3600e-003		29.8781
Worker	0.0170	0.0123	0.1369	3.6000e-004	0.0329	2.4000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		35.8890	35.8890	1.2300e-003		35.9197
Total	0.0222	0.1440	0.1718	6.4000e-004	0.0396	1.2700e-003	0.0409	0.0107	1.2100e-003	0.0119		65.7080	65.7080	3.5900e-003		65.7978

North County 37, M - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.1600e-003	0.1318	0.0349	2.8000e-004	6.7700e-003	1.0300e-003	7.8000e-003	1.9500e-003	9.9000e-004	2.9300e-003		29.8190	29.8190	2.3600e-003		29.8781
Worker	0.0170	0.0123	0.1369	3.6000e-004	0.0329	2.4000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		35.8890	35.8890	1.2300e-003		35.9197
Total	0.0222	0.1440	0.1718	6.4000e-004	0.0396	1.2700e-003	0.0409	0.0107	1.2100e-003	0.0119		65.7080	65.7080	3.5900e-003		65.7978

North County 37, M - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947		2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0639	0.0460	0.5135	1.3500e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		134.5837	134.5837	4.6100e-003		134.6988
Total	0.0639	0.0460	0.5135	1.3500e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		134.5837	134.5837	4.6100e-003		134.6988

North County 37, M - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0639	0.0460	0.5135	1.3500e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		134.5837	134.5837	4.6100e-003		134.6988
Total	0.0639	0.0460	0.5135	1.3500e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		134.5837	134.5837	4.6100e-003		134.6988

North County 37, M - San Diego County, Summer

3.5 Paving - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 37, M - San Diego County, Summer

3.5 Paving - 2018**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	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 37, M - San Diego County, Summer

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

North County 37, M - San Diego County, Summer

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

4.0 Operational Detail - Mobile

North County 37, M - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1018	0.5433	1.2967	6.3700e-003	0.7567	2.2300e-003	0.7590	0.2023	2.0800e-003	0.2043		656.2129	656.2129	0.0294		656.9471
Unmitigated	0.1018	0.5433	1.2967	6.3700e-003	0.7567	2.2300e-003	0.7590	0.2023	2.0800e-003	0.2043		656.2129	656.2129	0.0294		656.9471

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	120.00	124.92	108.60	339,993	339,993
Total	120.00	124.92	108.60	339,993	339,993

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 37, M - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
NaturalGas Unmitigated	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526

North County 37, M - San Diego County, Summer

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	1220.59	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
Total		0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1.22059	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
Total		0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 37, M - San Diego 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	0.5520	0.2104	1.0704	1.3200e-003		0.0216	0.0216		0.0216	0.0216	0.0000	255.9003	255.9003	6.5700e-003	4.6600e-003	257.4528
Unmitigated	0.5520	0.2104	1.0704	1.3200e-003		0.0216	0.0216		0.0216	0.0216	0.0000	255.9003	255.9003	6.5700e-003	4.6600e-003	257.4528

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	0.0370					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4622					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0233	0.1991	0.0847	1.2700e-003		0.0161	0.0161		0.0161	0.0161	0.0000	254.1177	254.1177	4.8700e-003	4.6600e-003	255.6277
Landscaping	0.0295	0.0114	0.9857	5.0000e-005		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003		1.7826	1.7826	1.7000e-003		1.8251
Total	0.5520	0.2104	1.0704	1.3200e-003		0.0216	0.0216		0.0216	0.0216	0.0000	255.9003	255.9003	6.5700e-003	4.6600e-003	257.4528

North County 37, M - San Diego 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	0.0370					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4622					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0233	0.1991	0.0847	1.2700e-003		0.0161	0.0161		0.0161	0.0161	0.0000	254.1177	254.1177	4.8700e-003	4.6600e-003	255.6277
Landscaping	0.0295	0.0114	0.9857	5.0000e-005		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003		1.7826	1.7826	1.7000e-003		1.8251
Total	0.5520	0.2104	1.0704	1.3200e-003		0.0216	0.0216		0.0216	0.0216	0.0000	255.9003	255.9003	6.5700e-003	4.6600e-003	257.4528

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 37, M - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 37, UM - San Diego County, Winter

North County 37, UM San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	12.00	Dwelling Unit	3.90	21,600.00	34

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

North County 37, UM - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	1/24/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/5/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/17/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	12/31/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/5/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/1/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	1/18/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/6/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/6/2018
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

North County 37, UM - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6493	48.2607	23.0608	0.0396	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,983.2428	3,983.2428	1.1981	0.0000	4,013.1951
2019	7.7796	1.8385	1.8706	3.0500e-003	8.2100e-003	0.1288	0.1370	2.1800e-003	0.1288	0.1310	0.0000	289.6172	289.6172	0.0240	0.0000	290.2181
Maximum	7.7796	48.2607	23.0608	0.0396	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,983.2428	3,983.2428	1.1981	0.0000	4,013.1951

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6493	48.2607	23.0608	0.0396	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,983.2428	3,983.2428	1.1981	0.0000	4,013.1951
2019	7.7796	1.8385	1.8706	3.0500e-003	8.2100e-003	0.1288	0.1370	2.1800e-003	0.1288	0.1310	0.0000	289.6172	289.6172	0.0240	0.0000	290.2181
Maximum	7.7796	48.2607	23.0608	0.0396	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,983.2428	3,983.2428	1.1981	0.0000	4,013.1951

[illegible]

North County 37, UM - San Diego 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	18.8935	0.3700	23.6549	0.0411		3.1839	3.1839		3.1839	3.1839	333.2608	141.5473	474.8081	0.3092	0.0262	490.3508
Energy	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
Mobile	0.0996	0.5504	1.2653	6.0600e-003	0.7567	2.2300e-003	0.7590	0.2023	2.0800e-003	0.2043		624.8265	624.8265	0.0296		625.5661
Total	19.0063	1.0329	24.9681	0.0479	0.7567	3.1953	3.9520	0.2023	3.1951	3.3974	333.2608	909.9732	1,243.2339	0.3416	0.0288	1,260.3694

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	18.8935	0.3700	23.6549	0.0411		3.1839	3.1839		3.1839	3.1839	333.2608	141.5473	474.8081	0.3092	0.0262	490.3508
Energy	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
Mobile	0.0996	0.5504	1.2653	6.0600e-003	0.7567	2.2300e-003	0.7590	0.2023	2.0800e-003	0.2043		624.8265	624.8265	0.0296		625.5661
Total	19.0063	1.0329	24.9681	0.0479	0.7567	3.1953	3.9520	0.2023	3.1951	3.3974	333.2608	909.9732	1,243.2339	0.3416	0.0288	1,260.3694

North County 37, UM - San Diego 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	Architectural Coating	Architectural Coating	1/1/2019	1/24/2019	5	18	
2	Building Construction	Building Construction	1/18/2018	12/5/2018	5	230	
3	Grading	Grading	1/6/2018	1/17/2018	5	8	
4	Paving	Paving	12/6/2018	12/31/2018	5	18	
5	Site Preparation	Site Preparation	1/1/2018	1/5/2018	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 43,740; Residential Outdoor: 14,580; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 37, UM - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	4.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

North County 37, UM - San Diego County, Winter

3.1 Mitigation Measures Construction**3.2 Architectural Coating - 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					
Archit. Coating	7.5087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	7.7751	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.4400e-003	3.0800e-003	0.0292	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.1691	8.1691	2.6000e-004		8.1757
Total	4.4400e-003	3.0800e-003	0.0292	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.1691	8.1691	2.6000e-004		8.1757

North County 37, UM - San Diego County, Winter

3.2 Architectural Coating - 2019**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	7.5087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	7.7751	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.4400e-003	3.0800e-003	0.0292	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.1691	8.1691	2.6000e-004		8.1757
Total	4.4400e-003	3.0800e-003	0.0292	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.1691	8.1691	2.6000e-004		8.1757

North County 37, UM - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.3800e-003	0.1320	0.0386	2.7000e-004	6.7700e-003	1.0500e-003	7.8200e-003	1.9500e-003	1.0000e-003	2.9500e-003		29.0698	29.0698	2.5200e-003		29.1327
Worker	0.0192	0.0138	0.1299	3.4000e-004	0.0329	2.4000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		33.6931	33.6931	1.1700e-003		33.7223
Total	0.0246	0.1458	0.1685	6.1000e-004	0.0396	1.2900e-003	0.0409	0.0107	1.2200e-003	0.0119		62.7629	62.7629	3.6900e-003		62.8550

North County 37, UM - San Diego County, Winter

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.3800e-003	0.1320	0.0386	2.7000e-004	6.7700e-003	1.0500e-003	7.8200e-003	1.9500e-003	1.0000e-003	2.9500e-003		29.0698	29.0698	2.5200e-003		29.1327
Worker	0.0192	0.0138	0.1299	3.4000e-004	0.0329	2.4000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		33.6931	33.6931	1.1700e-003		33.7223
Total	0.0246	0.1458	0.1685	6.1000e-004	0.0396	1.2900e-003	0.0409	0.0107	1.2200e-003	0.0119		62.7629	62.7629	3.6900e-003		62.8550

North County 37, UM - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947		2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586
Total	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586

North County 37, UM - San Diego County, Winter

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586
Total	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586

North County 37, UM - San Diego County, Winter

3.5 Paving - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 37, UM - San Diego County, Winter

3.5 Paving - 2018**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	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 37, UM - San Diego County, Winter

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

North County 37, UM - San Diego County, Winter

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

4.0 Operational Detail - Mobile

North County 37, UM - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0996	0.5504	1.2653	6.0600e-003	0.7567	2.2300e-003	0.7590	0.2023	2.0800e-003	0.2043		624.8265	624.8265	0.0296		625.5661
Unmitigated	0.0996	0.5504	1.2653	6.0600e-003	0.7567	2.2300e-003	0.7590	0.2023	2.0800e-003	0.2043		624.8265	624.8265	0.0296		625.5661

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	120.00	124.92	108.60	339,993	339,993
Total	120.00	124.92	108.60	339,993	339,993

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	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 37, UM - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
NaturalGas Unmitigated	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526

North County 37, UM - San Diego County, Winter

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	1220.59	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
Total		0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1.22059	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
Total		0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 37, UM - San Diego 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	18.8935	0.3700	23.6549	0.0411		3.1839	3.1839		3.1839	3.1839	333.2608	141.5473	474.8081	0.3092	0.0262	490.3508
Unmitigated	18.8935	0.3700	23.6549	0.0411		3.1839	3.1839		3.1839	3.1839	333.2608	141.5473	474.8081	0.3092	0.0262	490.3508

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	0.0370					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4622					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	18.3647	0.3586	22.6693	0.0411		3.1785	3.1785		3.1785	3.1785	333.2608	139.7647	473.0255	0.3075	0.0262	488.5257
Landscaping	0.0295	0.0114	0.9857	5.0000e-005		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003		1.7826	1.7826	1.7000e-003		1.8251
Total	18.8935	0.3700	23.6550	0.0411		3.1839	3.1839		3.1839	3.1839	333.2608	141.5473	474.8081	0.3092	0.0262	490.3508

North County 37, UM - San Diego 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	0.0370					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4622					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	18.3647	0.3586	22.6693	0.0411		3.1785	3.1785		3.1785	3.1785	333.2608	139.7647	473.0255	0.3075	0.0262	488.5257
Landscaping	0.0295	0.0114	0.9857	5.0000e-005		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003		1.7826	1.7826	1.7000e-003		1.8251
Total	18.8935	0.3700	23.6550	0.0411		3.1839	3.1839		3.1839	3.1839	333.2608	141.5473	474.8081	0.3092	0.0262	490.3508

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 37, UM - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 37, M - San Diego County, Winter

North County 37, M
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	12.00	Dwelling Unit	3.90	21,600.00	34

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

North County 37, M - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	1/24/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	12/5/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/17/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	12/31/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/5/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/1/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	1/18/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/6/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	12/6/2018
tblFireplaces	NumberGas	6.60	12.00
tblFireplaces	NumberNoFireplace	1.20	0.00
tblFireplaces	NumberWood	4.20	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05

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tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	0.60	0.00
tblWoodstoves	NumberNoncatalytic	0.60	0.00

2.0 Emissions Summary

North County 37, M - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6493	48.2607	23.0608	0.0396	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,983.2428	3,983.2428	1.1981	0.0000	4,013.1951
2019	7.7796	1.8385	1.8706	3.0500e-003	8.2100e-003	0.1288	0.1370	2.1800e-003	0.1288	0.1310	0.0000	289.6172	289.6172	0.0240	0.0000	290.2181
Maximum	7.7796	48.2607	23.0608	0.0396	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,983.2428	3,983.2428	1.1981	0.0000	4,013.1951

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6493	48.2607	23.0608	0.0396	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,983.2428	3,983.2428	1.1981	0.0000	4,013.1951
2019	7.7796	1.8385	1.8706	3.0500e-003	8.2100e-003	0.1288	0.1370	2.1800e-003	0.1288	0.1310	0.0000	289.6172	289.6172	0.0240	0.0000	290.2181
Maximum	7.7796	48.2607	23.0608	0.0396	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	3,983.2428	3,983.2428	1.1981	0.0000	4,013.1951

[illegible]

North County 37, M - San Diego 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	0.5520	0.2104	1.0704	1.3200e-003		0.0216	0.0216		0.0216	0.0216	0.0000	255.9003	255.9003	6.5700e-003	4.6600e-003	257.4528
Energy	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
Mobile	0.0996	0.5504	1.2653	6.0600e-003	0.7567	2.2300e-003	0.7590	0.2023	2.0800e-003	0.2043		624.8265	624.8265	0.0296		625.5661
Total	0.6648	0.8733	2.3835	8.1000e-003	0.7567	0.0329	0.7896	0.2023	0.0328	0.2350	0.0000	1,024.3261	1,024.3261	0.0389	7.2900e-003	1,027.4715

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	0.5520	0.2104	1.0704	1.3200e-003		0.0216	0.0216		0.0216	0.0216	0.0000	255.9003	255.9003	6.5700e-003	4.6600e-003	257.4528
Energy	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
Mobile	0.0996	0.5504	1.2653	6.0600e-003	0.7567	2.2300e-003	0.7590	0.2023	2.0800e-003	0.2043		624.8265	624.8265	0.0296		625.5661
Total	0.6648	0.8733	2.3835	8.1000e-003	0.7567	0.0329	0.7896	0.2023	0.0328	0.2350	0.0000	1,024.3261	1,024.3261	0.0389	7.2900e-003	1,027.4715

North County 37, M - San Diego 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	Architectural Coating	Architectural Coating	1/1/2019	1/24/2019	5	18	
2	Building Construction	Building Construction	1/18/2018	12/5/2018	5	230	
3	Grading	Grading	1/6/2018	1/17/2018	5	8	
4	Paving	Paving	12/6/2018	12/31/2018	5	18	
5	Site Preparation	Site Preparation	1/1/2018	1/5/2018	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 43,740; Residential Outdoor: 14,580; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 37, M - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	4.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

North County 37, M - San Diego County, Winter

3.1 Mitigation Measures Construction**3.2 Architectural Coating - 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					
Archit. Coating	7.5087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	7.7751	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.4400e-003	3.0800e-003	0.0292	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.1691	8.1691	2.6000e-004		8.1757
Total	4.4400e-003	3.0800e-003	0.0292	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.1691	8.1691	2.6000e-004		8.1757

North County 37, M - San Diego County, Winter

3.2 Architectural Coating - 2019**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	7.5087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	7.7751	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.4400e-003	3.0800e-003	0.0292	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.1691	8.1691	2.6000e-004		8.1757
Total	4.4400e-003	3.0800e-003	0.0292	8.0000e-005	8.2100e-003	6.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003		8.1691	8.1691	2.6000e-004		8.1757

North County 37, M - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.3800e-003	0.1320	0.0386	2.7000e-004	6.7700e-003	1.0500e-003	7.8200e-003	1.9500e-003	1.0000e-003	2.9500e-003		29.0698	29.0698	2.5200e-003		29.1327
Worker	0.0192	0.0138	0.1299	3.4000e-004	0.0329	2.4000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		33.6931	33.6931	1.1700e-003		33.7223
Total	0.0246	0.1458	0.1685	6.1000e-004	0.0396	1.2900e-003	0.0409	0.0107	1.2200e-003	0.0119		62.7629	62.7629	3.6900e-003		62.8550

North County 37, M - San Diego County, Winter

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.3800e-003	0.1320	0.0386	2.7000e-004	6.7700e-003	1.0500e-003	7.8200e-003	1.9500e-003	1.0000e-003	2.9500e-003		29.0698	29.0698	2.5200e-003		29.1327
Worker	0.0192	0.0138	0.1299	3.4000e-004	0.0329	2.4000e-004	0.0331	8.7200e-003	2.2000e-004	8.9300e-003		33.6931	33.6931	1.1700e-003		33.7223
Total	0.0246	0.1458	0.1685	6.1000e-004	0.0396	1.2900e-003	0.0409	0.0107	1.2200e-003	0.0119		62.7629	62.7629	3.6900e-003		62.8550

North County 37, M - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947		2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586
Total	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586

North County 37, M - San Diego County, Winter

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.5523	1.5513	8.1037	3.3675	1.4272	4.7947	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

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	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586
Total	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586

North County 37, M - San Diego County, Winter

3.5 Paving - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718		1,872.5505	1,872.5505	0.5672		1,886.7312

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 37, M - San Diego County, Winter

3.5 Paving - 2018**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	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4239	14.5184	12.4333	0.0189		0.8370	0.8370		0.7718	0.7718	0.0000	1,872.5505	1,872.5505	0.5672		1,886.7312

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 37, M - San Diego County, Winter

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

North County 37, M - San Diego County, Winter

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

4.0 Operational Detail - Mobile

North County 37, M - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0996	0.5504	1.2653	6.0600e-003	0.7567	2.2300e-003	0.7590	0.2023	2.0800e-003	0.2043		624.8265	624.8265	0.0296		625.5661
Unmitigated	0.0996	0.5504	1.2653	6.0600e-003	0.7567	2.2300e-003	0.7590	0.2023	2.0800e-003	0.2043		624.8265	624.8265	0.0296		625.5661

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	120.00	124.92	108.60	339,993	339,993
Total	120.00	124.92	108.60	339,993	339,993

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 37, M - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
NaturalGas Unmitigated	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526

North County 37, M - San Diego County, Winter

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	1220.59	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
Total		0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1.22059	0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
Total		0.0132	0.1125	0.0479	7.2000e-004		9.0900e-003	9.0900e-003		9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 37, M - San Diego 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	0.5520	0.2104	1.0704	1.3200e-003		0.0216	0.0216		0.0216	0.0216	0.0000	255.9003	255.9003	6.5700e-003	4.6600e-003	257.4528
Unmitigated	0.5520	0.2104	1.0704	1.3200e-003		0.0216	0.0216		0.0216	0.0216	0.0000	255.9003	255.9003	6.5700e-003	4.6600e-003	257.4528

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	0.0370					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4622					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0233	0.1991	0.0847	1.2700e-003		0.0161	0.0161		0.0161	0.0161	0.0000	254.1177	254.1177	4.8700e-003	4.6600e-003	255.6277
Landscaping	0.0295	0.0114	0.9857	5.0000e-005		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003		1.7826	1.7826	1.7000e-003		1.8251
Total	0.5520	0.2104	1.0704	1.3200e-003		0.0216	0.0216		0.0216	0.0216	0.0000	255.9003	255.9003	6.5700e-003	4.6600e-003	257.4528

North County 37, M - San Diego 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	0.0370					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4622					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0233	0.1991	0.0847	1.2700e-003		0.0161	0.0161		0.0161	0.0161	0.0000	254.1177	254.1177	4.8700e-003	4.6600e-003	255.6277
Landscaping	0.0295	0.0114	0.9857	5.0000e-005		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003		1.7826	1.7826	1.7000e-003		1.8251
Total	0.5520	0.2104	1.0704	1.3200e-003		0.0216	0.0216		0.0216	0.0216	0.0000	255.9003	255.9003	6.5700e-003	4.6600e-003	257.4528

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 37, M - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 38+, UM - San Diego County, Summer

North County 38+, UM San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	38.00	Dwelling Unit	12.34	68,400.00	109

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

North County 38+, UM - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	6/14/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	4/19/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	5/17/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	5/18/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/20/2019
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

North County 38+, UM - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262
2019	21.6780	21.6131	17.7250	0.0292	0.1421	1.2941	1.4362	0.0383	1.2168	1.2551	0.0000	2,831.8148	2,831.8148	0.7183	0.0000	2,847.9239
Maximum	21.6780	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262
2019	21.6780	21.6131	17.7250	0.0292	0.1421	1.2941	1.4362	0.0383	1.2168	1.2551	0.0000	2,831.8148	2,831.8148	0.7183	0.0000	2,847.9239
Maximum	21.6780	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262

[illegible]

North County 38+, UM - San Diego 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	59.8294	1.1717	74.9073	0.1302		10.0825	10.0825		10.0825	10.0825	1,055.3258	448.2332	1,503.5590	0.9793	0.0830	1,552.7774
Energy	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
Mobile	0.3225	1.7206	4.1063	0.0202	2.3963	7.0600e-003	2.4034	0.6405	6.5700e-003	0.6470		2,078.0076	2,078.0076	0.0930		2,080.3324
Total	60.1936	3.2485	79.1652	0.1527	2.3963	10.1183	12.5147	0.6405	10.1178	10.7583	1,055.3258	2,980.9719	4,036.2976	1.0810	0.0914	4,090.5431

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	59.8294	1.1717	74.9073	0.1302		10.0825	10.0825		10.0825	10.0825	1,055.3258	448.2332	1,503.5590	0.9793	0.0830	1,552.7774
Energy	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
Mobile	0.3225	1.7206	4.1063	0.0202	2.3963	7.0600e-003	2.4034	0.6405	6.5700e-003	0.6470		2,078.0076	2,078.0076	0.0930		2,080.3324
Total	60.1936	3.2485	79.1652	0.1527	2.3963	10.1183	12.5147	0.6405	10.1178	10.7583	1,055.3258	2,980.9719	4,036.2976	1.0810	0.0914	4,090.5431

North County 38+, UM - San Diego 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	Architectural Coating	Architectural Coating	5/18/2019	6/14/2019	5	20	
2	Building Construction	Building Construction	2/24/2018	4/19/2019	5	300	
3	Grading	Grading	1/13/2018	2/23/2018	5	30	
4	Paving	Paving	4/20/2019	5/17/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 138,510; Residential Outdoor: 46,170; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 38+, UM - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	14.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

North County 38+, UM - San Diego County, Summer

3.2 Architectural Coating - 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					
Archit. Coating	21.3998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	21.6662	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	0.0118	8.2200e-003	0.0928	2.6000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		26.1060	26.1060	8.3000e-004		26.1268
Total	0.0118	8.2200e-003	0.0928	2.6000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		26.1060	26.1060	8.3000e-004		26.1268

North County 38+, UM - San Diego County, Summer

3.2 Architectural Coating - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.3998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	21.6662	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	0.0118	8.2200e-003	0.0928	2.6000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		26.1060	26.1060	8.3000e-004		26.1268
Total	0.0118	8.2200e-003	0.0928	2.6000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		26.1060	26.1060	8.3000e-004		26.1268

North County 38+, UM - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0802	0.5699	0.6188	2.3700e-003	0.1421	4.9500e-003	0.1470	0.0383	4.7000e-003	0.0430		244.8874	244.8874	0.0138		245.2312

North County 38+, UM - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0802	0.5699	0.6188	2.3700e-003	0.1421	4.9500e-003	0.1470	0.0383	4.7000e-003	0.0430		244.8874	244.8874	0.0138		245.2312

North County 38+, UM - San Diego County, Summer

3.3 Building Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0184	0.4960	0.1280	1.1000e-003	0.0271	3.4500e-003	0.0305	7.8000e-003	3.3000e-003	0.0111		118.4067	118.4067	9.1400e-003		118.6352
Worker	0.0550	0.0384	0.4332	1.2200e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		121.8280	121.8280	3.8900e-003		121.9252
Total	0.0734	0.5343	0.5612	2.3200e-003	0.1421	4.2700e-003	0.1464	0.0383	4.0600e-003	0.0424		240.2346	240.2346	0.0130		240.5604

North County 38+, UM - San Diego County, Summer

3.3 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0184	0.4960	0.1280	1.1000e-003	0.0271	3.4500e-003	0.0305	7.8000e-003	3.3000e-003	0.0111		118.4067	118.4067	9.1400e-003		118.6352
Worker	0.0550	0.0384	0.4332	1.2200e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		121.8280	121.8280	3.8900e-003		121.9252
Total	0.0734	0.5343	0.5612	2.3200e-003	0.1421	4.2700e-003	0.1464	0.0383	4.0600e-003	0.0424		240.2346	240.2346	0.0130		240.5604

North County 38+, UM - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 38+, UM - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

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3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342
Total	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342

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3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342
Total	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342

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3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

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3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

4.0 Operational Detail - Mobile

North County 38+, UM - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3225	1.7206	4.1063	0.0202	2.3963	7.0600e-003	2.4034	0.6405	6.5700e-003	0.6470		2,078.0076	2,078.0076	0.0930		2,080.3324
Unmitigated	0.3225	1.7206	4.1063	0.0202	2.3963	7.0600e-003	2.4034	0.6405	6.5700e-003	0.6470		2,078.0076	2,078.0076	0.0930		2,080.3324

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	380.00	395.58	343.90	1,076,645	1,076,645
Total	380.00	395.58	343.90	1,076,645	1,076,645

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 38+, UM - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
NaturalGas Unmitigated	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333

North County 38+, UM - San Diego County, Summer

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	3865.21	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
Total		0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	3.86521	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
Total		0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 38+, UM - San Diego 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	59.8294	1.1717	74.9073	0.1302		10.0825	10.0825		10.0825	10.0825	1,055.3258	448.2332	1,503.5590	0.9793	0.0830	1,552.7774
Unmitigated	59.8294	1.1717	74.9073	0.1302		10.0825	10.0825		10.0825	10.0825	1,055.3258	448.2332	1,503.5590	0.9793	0.0830	1,552.7774

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	0.1173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4638					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	58.1550	1.1357	71.7860	0.1301		10.0651	10.0651		10.0651	10.0651	1,055.3258	442.5882	1,497.9140	0.9739	0.0830	1,546.9981
Landscaping	0.0934	0.0360	3.1213	1.7000e-004		0.0174	0.0174		0.0174	0.0174		5.6450	5.6450	5.3700e-003		5.7793
Total	59.8294	1.1717	74.9073	0.1302		10.0825	10.0825		10.0825	10.0825	1,055.3258	448.2332	1,503.5590	0.9793	0.0830	1,552.7774

North County 38+, UM - San Diego 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	0.1173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4638					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	58.1550	1.1357	71.7860	0.1301		10.0651	10.0651		10.0651	10.0651	1,055.3258	442.5882	1,497.9140	0.9739	0.0830	1,546.9981
Landscaping	0.0934	0.0360	3.1213	1.7000e-004		0.0174	0.0174		0.0174	0.0174		5.6450	5.6450	5.3700e-003		5.7793
Total	59.8294	1.1717	74.9073	0.1302		10.0825	10.0825		10.0825	10.0825	1,055.3258	448.2332	1,503.5590	0.9793	0.0830	1,552.7774

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 38+, UM - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 38+, M - San Diego County, Summer

North County 38+, M San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	38.00	Dwelling Unit	12.34	68,400.00	109

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

North County 38+, M - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	6/14/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	4/19/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	5/17/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	5/18/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/20/2019
tblFireplaces	NumberGas	20.90	38.00
tblFireplaces	NumberNoFireplace	3.80	0.00
tblFireplaces	NumberWood	13.30	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05

North County 38+, M - San Diego County, Summer

tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	1.90	0.00
tblWoodstoves	NumberNoncatalytic	1.90	0.00

2.0 Emissions Summary

North County 38+, M - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262
2019	21.6780	21.6131	17.7250	0.0292	0.1421	1.2941	1.4362	0.0383	1.2168	1.2551	0.0000	2,831.8148	2,831.8148	0.7183	0.0000	2,847.9239
Maximum	21.6780	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262
2019	21.6780	21.6131	17.7250	0.0292	0.1421	1.2941	1.4362	0.0383	1.2168	1.2551	0.0000	2,831.8148	2,831.8148	0.7183	0.0000	2,847.9239
Maximum	21.6780	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.8733	6,423.8733	1.9501	0.0000	6,472.6262

[illegible]

North County 38+, M - San Diego 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	1.7481	0.6664	3.3895	4.1900e-003		0.0684	0.0684		0.0684	0.0684	0.0000	810.3509	810.3509	0.0208	0.0148	815.2672
Energy	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
Mobile	0.3225	1.7206	4.1063	0.0202	2.3963	7.0600e-003	2.4034	0.6405	6.5700e-003	0.6470		2,078.0076	2,078.0076	0.0930		2,080.3324
Total	2.1123	2.7432	7.6474	0.0266	2.3963	0.1042	2.5005	0.6405	0.1037	0.7442	0.0000	3,343.0895	3,343.0895	0.1225	0.0231	3,353.0329

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7481	0.6664	3.3895	4.1900e-003		0.0684	0.0684		0.0684	0.0684	0.0000	810.3509	810.3509	0.0208	0.0148	815.2672
Energy	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
Mobile	0.3225	1.7206	4.1063	0.0202	2.3963	7.0600e-003	2.4034	0.6405	6.5700e-003	0.6470		2,078.0076	2,078.0076	0.0930		2,080.3324
Total	2.1123	2.7432	7.6474	0.0266	2.3963	0.1042	2.5005	0.6405	0.1037	0.7442	0.0000	3,343.0895	3,343.0895	0.1225	0.0231	3,353.0329

North County 38+, M - San Diego 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	Architectural Coating	Architectural Coating	5/18/2019	6/14/2019	5	20	
2	Building Construction	Building Construction	2/24/2018	4/19/2019	5	300	
3	Grading	Grading	1/13/2018	2/23/2018	5	30	
4	Paving	Paving	4/20/2019	5/17/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 138,510; Residential Outdoor: 46,170; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 38+, M - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	14.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

North County 38+, M - San Diego County, Summer

3.2 Architectural Coating - 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					
Archit. Coating	21.3998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	21.6662	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	0.0118	8.2200e-003	0.0928	2.6000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		26.1060	26.1060	8.3000e-004		26.1268
Total	0.0118	8.2200e-003	0.0928	2.6000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		26.1060	26.1060	8.3000e-004		26.1268

North County 38+, M - San Diego County, Summer

3.2 Architectural Coating - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.3998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	21.6662	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	0.0118	8.2200e-003	0.0928	2.6000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		26.1060	26.1060	8.3000e-004		26.1268
Total	0.0118	8.2200e-003	0.0928	2.6000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		26.1060	26.1060	8.3000e-004		26.1268

North County 38+, M - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0802	0.5699	0.6188	2.3700e-003	0.1421	4.9500e-003	0.1470	0.0383	4.7000e-003	0.0430		244.8874	244.8874	0.0138		245.2312

North County 38+, M - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0206	0.5270	0.1396	1.1100e-003	0.0271	4.1200e-003	0.0312	7.8000e-003	3.9400e-003	0.0117		119.2760	119.2760	9.4500e-003		119.5123
Worker	0.0596	0.0429	0.4793	1.2600e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		125.6114	125.6114	4.3000e-003		125.7189
Total	0.0802	0.5699	0.6188	2.3700e-003	0.1421	4.9500e-003	0.1470	0.0383	4.7000e-003	0.0430		244.8874	244.8874	0.0138		245.2312

North County 38+, M - San Diego County, Summer

3.3 Building Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0184	0.4960	0.1280	1.1000e-003	0.0271	3.4500e-003	0.0305	7.8000e-003	3.3000e-003	0.0111		118.4067	118.4067	9.1400e-003		118.6352
Worker	0.0550	0.0384	0.4332	1.2200e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		121.8280	121.8280	3.8900e-003		121.9252
Total	0.0734	0.5343	0.5612	2.3200e-003	0.1421	4.2700e-003	0.1464	0.0383	4.0600e-003	0.0424		240.2346	240.2346	0.0130		240.5604

North County 38+, M - San Diego County, Summer

3.3 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0184	0.4960	0.1280	1.1000e-003	0.0271	3.4500e-003	0.0305	7.8000e-003	3.3000e-003	0.0111		118.4067	118.4067	9.1400e-003		118.6352
Worker	0.0550	0.0384	0.4332	1.2200e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		121.8280	121.8280	3.8900e-003		121.9252
Total	0.0734	0.5343	0.5612	2.3200e-003	0.1421	4.2700e-003	0.1464	0.0383	4.0600e-003	0.0424		240.2346	240.2346	0.0130		240.5604

North County 38+, M - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 38+, M - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

North County 38+, M - San Diego County, Summer

3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342
Total	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342

North County 38+, M - San Diego County, Summer

3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342
Total	0.0589	0.0411	0.4641	1.3100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		130.5300	130.5300	4.1700e-003		130.6342

North County 38+, M - San Diego County, Summer

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

North County 38+, M - San Diego County, Summer

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

4.0 Operational Detail - Mobile

North County 38+, M - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3225	1.7206	4.1063	0.0202	2.3963	7.0600e-003	2.4034	0.6405	6.5700e-003	0.6470		2,078.0076	2,078.0076	0.0930		2,080.3324
Unmitigated	0.3225	1.7206	4.1063	0.0202	2.3963	7.0600e-003	2.4034	0.6405	6.5700e-003	0.6470		2,078.0076	2,078.0076	0.0930		2,080.3324

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	380.00	395.58	343.90	1,076,645	1,076,645
Total	380.00	395.58	343.90	1,076,645	1,076,645

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 38+, M - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
NaturalGas Unmitigated	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333

North County 38+, M - San Diego County, Summer

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	3865.21	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
Total		0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	3.86521	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
Total		0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 38+, M - San Diego 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	1.7481	0.6664	3.3895	4.1900e-003		0.0684	0.0684		0.0684	0.0684	0.0000	810.3509	810.3509	0.0208	0.0148	815.2672
Unmitigated	1.7481	0.6664	3.3895	4.1900e-003		0.0684	0.0684		0.0684	0.0684	0.0000	810.3509	810.3509	0.0208	0.0148	815.2672

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	0.1173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4638					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0738	0.6304	0.2682	4.0200e-003		0.0510	0.0510		0.0510	0.0510	0.0000	804.7059	804.7059	0.0154	0.0148	809.4879
Landscaping	0.0934	0.0360	3.1213	1.7000e-004		0.0174	0.0174		0.0174	0.0174		5.6450	5.6450	5.3700e-003		5.7793
Total	1.7481	0.6664	3.3895	4.1900e-003		0.0684	0.0684		0.0684	0.0684	0.0000	810.3509	810.3509	0.0208	0.0148	815.2672

North County 38+, M - San Diego 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	0.1173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4638					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0738	0.6304	0.2682	4.0200e-003		0.0510	0.0510		0.0510	0.0510	0.0000	804.7059	804.7059	0.0154	0.0148	809.4879
Landscaping	0.0934	0.0360	3.1213	1.7000e-004		0.0174	0.0174		0.0174	0.0174		5.6450	5.6450	5.3700e-003		5.7793
Total	1.7481	0.6664	3.3895	4.1900e-003		0.0684	0.0684		0.0684	0.0684	0.0000	810.3509	810.3509	0.0208	0.0148	815.2672

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 38+, M - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 38+, UM - San Diego County, Winter

North County 38+, UM San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	38.00	Dwelling Unit	12.34	68,400.00	109

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

North County 38+, UM - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	6/14/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	4/19/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	5/17/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	5/18/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/20/2019
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

North County 38+, UM - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392
2019	21.6796	21.6182	17.7151	0.0291	0.1421	1.2942	1.4363	0.0383	1.2168	1.2551	0.0000	2,821.3482	2,821.3482	0.7180	0.0000	2,837.4669
Maximum	21.6796	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392
2019	21.6796	21.6182	17.7151	0.0291	0.1421	1.2942	1.4363	0.0383	1.2168	1.2551	0.0000	2,821.3482	2,821.3482	0.7180	0.0000	2,837.4669
Maximum	21.6796	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392

[illegible]

North County 38+, UM - San Diego 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	59.8294	1.1717	74.9073	0.1302		10.0825	10.0825		10.0825	10.0825	1,055.3258	448.2332	1,503.5590	0.9793	0.0830	1,552.7774
Energy	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
Mobile	0.3155	1.7430	4.0067	0.0192	2.3963	7.0700e-003	2.4034	0.6405	6.5800e-003	0.6470		1,978.6174	1,978.6174	0.0937		1,980.9592
Total	60.1866	3.2709	79.0656	0.1517	2.3963	10.1183	12.5147	0.6405	10.1179	10.7583	1,055.3258	2,881.5817	3,936.9074	1.0817	0.0914	3,991.1699

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	59.8294	1.1717	74.9073	0.1302		10.0825	10.0825		10.0825	10.0825	1,055.3258	448.2332	1,503.5590	0.9793	0.0830	1,552.7774
Energy	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
Mobile	0.3155	1.7430	4.0067	0.0192	2.3963	7.0700e-003	2.4034	0.6405	6.5800e-003	0.6470		1,978.6174	1,978.6174	0.0937		1,980.9592
Total	60.1866	3.2709	79.0656	0.1517	2.3963	10.1183	12.5147	0.6405	10.1179	10.7583	1,055.3258	2,881.5817	3,936.9074	1.0817	0.0914	3,991.1699

North County 38+, UM - San Diego 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	Architectural Coating	Architectural Coating	5/18/2019	6/14/2019	5	20	
2	Building Construction	Building Construction	2/24/2018	4/19/2019	5	300	
3	Grading	Grading	1/13/2018	2/23/2018	5	30	
4	Paving	Paving	4/20/2019	5/17/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 138,510; Residential Outdoor: 46,170; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 38+, UM - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	14.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

North County 38+, UM - San Diego County, Winter

3.2 Architectural Coating - 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					
Archit. Coating	21.3998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	21.6662	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	0.0133	9.2300e-003	0.0877	2.5000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		24.5074	24.5074	7.9000e-004		24.5272
Total	0.0133	9.2300e-003	0.0877	2.5000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		24.5074	24.5074	7.9000e-004		24.5272

North County 38+, UM - San Diego County, Winter

3.2 Architectural Coating - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.3998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	21.6662	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	0.0133	9.2300e-003	0.0877	2.5000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		24.5074	24.5074	7.9000e-004		24.5272
Total	0.0133	9.2300e-003	0.0877	2.5000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		24.5074	24.5074	7.9000e-004		24.5272

North County 38+, UM - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0888	0.5761	0.6090	2.2700e-003	0.1421	5.0200e-003	0.1471	0.0383	4.7700e-003	0.0431		234.2050	234.2050	0.0142		234.5587

North County 38+, UM - San Diego County, Winter

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0888	0.5761	0.6090	2.2700e-003	0.1421	5.0200e-003	0.1471	0.0383	4.7700e-003	0.0431		234.2050	234.2050	0.0142		234.5587

North County 38+, UM - San Diego County, Winter

3.3 Building Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.4964	0.1420	1.0800e-003	0.0271	3.5100e-003	0.0306	7.8000e-003	3.3600e-003	0.0112		115.4001	115.4001	9.7200e-003		115.6432
Worker	0.0622	0.0431	0.4094	1.1500e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		114.3679	114.3679	3.6900e-003		114.4602
Total	0.0814	0.5394	0.5513	2.2300e-003	0.1421	4.3300e-003	0.1464	0.0383	4.1200e-003	0.0424		229.7680	229.7680	0.0134		230.1034

North County 38+, UM - San Diego County, Winter

3.3 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.4964	0.1420	1.0800e-003	0.0271	3.5100e-003	0.0306	7.8000e-003	3.3600e-003	0.0112		115.4001	115.4001	9.7200e-003		115.6432
Worker	0.0622	0.0431	0.4094	1.1500e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		114.3679	114.3679	3.6900e-003		114.4602
Total	0.0814	0.5394	0.5513	2.2300e-003	0.1421	4.3300e-003	0.1464	0.0383	4.1200e-003	0.0424		229.7680	229.7680	0.0134		230.1034

North County 38+, UM - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 38+, UM - San Diego County, Winter

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 38+, UM - San Diego County, Winter

3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359

North County 38+, UM - San Diego County, Winter

3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359

North County 38+, UM - San Diego County, Winter

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

North County 38+, UM - San Diego County, Winter

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

4.0 Operational Detail - Mobile

North County 38+, UM - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3155	1.7430	4.0067	0.0192	2.3963	7.0700e-003	2.4034	0.6405	6.5800e-003	0.6470		1,978.6174	1,978.6174	0.0937		1,980.9592
Unmitigated	0.3155	1.7430	4.0067	0.0192	2.3963	7.0700e-003	2.4034	0.6405	6.5800e-003	0.6470		1,978.6174	1,978.6174	0.0937		1,980.9592

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	380.00	395.58	343.90	1,076,645	1,076,645
Total	380.00	395.58	343.90	1,076,645	1,076,645

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	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
NaturalGas Unmitigated	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333

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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	3865.21	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
Total		0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	3.86521	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
Total		0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 38+, UM - San Diego 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	59.8294	1.1717	74.9073	0.1302		10.0825	10.0825		10.0825	10.0825	1,055.3258	448.2332	1,503.5590	0.9793	0.0830	1,552.7774
Unmitigated	59.8294	1.1717	74.9073	0.1302		10.0825	10.0825		10.0825	10.0825	1,055.3258	448.2332	1,503.5590	0.9793	0.0830	1,552.7774

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	0.1173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4638					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	58.1550	1.1357	71.7860	0.1301		10.0651	10.0651		10.0651	10.0651	1,055.3258	442.5882	1,497.9140	0.9739	0.0830	1,546.9981
Landscaping	0.0934	0.0360	3.1213	1.7000e-004		0.0174	0.0174		0.0174	0.0174		5.6450	5.6450	5.3700e-003		5.7793
Total	59.8294	1.1717	74.9073	0.1302		10.0825	10.0825		10.0825	10.0825	1,055.3258	448.2332	1,503.5590	0.9793	0.0830	1,552.7774

North County 38+, UM - San Diego 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	0.1173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4638					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	58.1550	1.1357	71.7860	0.1301		10.0651	10.0651		10.0651	10.0651	1,055.3258	442.5882	1,497.9140	0.9739	0.0830	1,546.9981
Landscaping	0.0934	0.0360	3.1213	1.7000e-004		0.0174	0.0174		0.0174	0.0174		5.6450	5.6450	5.3700e-003		5.7793
Total	59.8294	1.1717	74.9073	0.1302		10.0825	10.0825		10.0825	10.0825	1,055.3258	448.2332	1,503.5590	0.9793	0.0830	1,552.7774

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 38+, UM - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

North County 38+, M - San Diego County, Winter

North County 38+, M San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	38.00	Dwelling Unit	12.34	68,400.00	109

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

North County 38+, M - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	6/14/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	4/19/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	2/23/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	5/17/2019
tblConstructionPhase	PhaseEndDate	12/31/2017	1/12/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	5/18/2019
tblConstructionPhase	PhaseStartDate	1/1/2018	2/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	1/13/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/20/2019
tblFireplaces	NumberGas	20.90	38.00
tblFireplaces	NumberNoFireplace	3.80	0.00
tblFireplaces	NumberWood	13.30	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05

North County 38+, M - San Diego County, Winter

tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	1.90	0.00
tblWoodstoves	NumberNoncatalytic	1.90	0.00

2.0 Emissions Summary

North County 38+, M - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392
2019	21.6796	21.6182	17.7151	0.0291	0.1421	1.2942	1.4363	0.0383	1.2168	1.2551	0.0000	2,821.3482	2,821.3482	0.7180	0.0000	2,837.4669
Maximum	21.6796	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392
2019	21.6796	21.6182	17.7151	0.0291	0.1421	1.2942	1.4363	0.0383	1.2168	1.2551	0.0000	2,821.3482	2,821.3482	0.7180	0.0000	2,837.4669
Maximum	21.6796	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.8939	6,412.8939	1.9498	0.0000	6,461.6392

[illegible]

North County 38+, M - San Diego 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	1.7481	0.6664	3.3895	4.1900e-003		0.0684	0.0684		0.0684	0.0684	0.0000	810.3509	810.3509	0.0208	0.0148	815.2672
Energy	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
Mobile	0.3155	1.7430	4.0067	0.0192	2.3963	7.0700e-003	2.4034	0.6405	6.5800e-003	0.6470		1,978.6174	1,978.6174	0.0937		1,980.9592
Total	2.1053	2.7656	7.5478	0.0256	2.3963	0.1042	2.5006	0.6405	0.1037	0.7442	0.0000	3,243.6993	3,243.6993	0.1232	0.0231	3,253.6597

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7481	0.6664	3.3895	4.1900e-003		0.0684	0.0684		0.0684	0.0684	0.0000	810.3509	810.3509	0.0208	0.0148	815.2672
Energy	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
Mobile	0.3155	1.7430	4.0067	0.0192	2.3963	7.0700e-003	2.4034	0.6405	6.5800e-003	0.6470		1,978.6174	1,978.6174	0.0937		1,980.9592
Total	2.1053	2.7656	7.5478	0.0256	2.3963	0.1042	2.5006	0.6405	0.1037	0.7442	0.0000	3,243.6993	3,243.6993	0.1232	0.0231	3,253.6597

North County 38+, M - San Diego 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	Architectural Coating	Architectural Coating	5/18/2019	6/14/2019	5	20	
2	Building Construction	Building Construction	2/24/2018	4/19/2019	5	300	
3	Grading	Grading	1/13/2018	2/23/2018	5	30	
4	Paving	Paving	4/20/2019	5/17/2019	5	20	
5	Site Preparation	Site Preparation	1/1/2018	1/12/2018	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 138,510; Residential Outdoor: 46,170; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

North County 38+, M - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	14.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

North County 38+, M - San Diego County, Winter

3.2 Architectural Coating - 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					
Archit. Coating	21.3998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	21.6662	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

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	0.0133	9.2300e-003	0.0877	2.5000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		24.5074	24.5074	7.9000e-004		24.5272
Total	0.0133	9.2300e-003	0.0877	2.5000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		24.5074	24.5074	7.9000e-004		24.5272

North County 38+, M - San Diego County, Winter

3.2 Architectural Coating - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.3998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	21.6662	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

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	0.0133	9.2300e-003	0.0877	2.5000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		24.5074	24.5074	7.9000e-004		24.5272
Total	0.0133	9.2300e-003	0.0877	2.5000e-004	0.0246	1.8000e-004	0.0248	6.5400e-003	1.6000e-004	6.7000e-003		24.5074	24.5074	7.9000e-004		24.5272

North County 38+, M - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0888	0.5761	0.6090	2.2700e-003	0.1421	5.0200e-003	0.1471	0.0383	4.7700e-003	0.0431		234.2050	234.2050	0.0142		234.5587

North County 38+, M - San Diego County, Winter

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0215	0.5279	0.1544	1.0900e-003	0.0271	4.1900e-003	0.0313	7.8000e-003	4.0100e-003	0.0118		116.2792	116.2792	0.0101		116.5307
Worker	0.0673	0.0482	0.4546	1.1800e-003	0.1150	8.3000e-004	0.1158	0.0305	7.6000e-004	0.0313		117.9258	117.9258	4.0900e-003		118.0280
Total	0.0888	0.5761	0.6090	2.2700e-003	0.1421	5.0200e-003	0.1471	0.0383	4.7700e-003	0.0431		234.2050	234.2050	0.0142		234.5587

North County 38+, M - San Diego County, Winter

3.3 Building Construction - 2019**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.4964	0.1420	1.0800e-003	0.0271	3.5100e-003	0.0306	7.8000e-003	3.3600e-003	0.0112		115.4001	115.4001	9.7200e-003		115.6432
Worker	0.0622	0.0431	0.4094	1.1500e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		114.3679	114.3679	3.6900e-003		114.4602
Total	0.0814	0.5394	0.5513	2.2300e-003	0.1421	4.3300e-003	0.1464	0.0383	4.1200e-003	0.0424		229.7680	229.7680	0.0134		230.1034

North County 38+, M - San Diego County, Winter

3.3 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0192	0.4964	0.1420	1.0800e-003	0.0271	3.5100e-003	0.0306	7.8000e-003	3.3600e-003	0.0112		115.4001	115.4001	9.7200e-003		115.6432
Worker	0.0622	0.0431	0.4094	1.1500e-003	0.1150	8.2000e-004	0.1158	0.0305	7.6000e-004	0.0313		114.3679	114.3679	3.6900e-003		114.4602
Total	0.0814	0.5394	0.5513	2.2300e-003	0.1421	4.3300e-003	0.1464	0.0383	4.1200e-003	0.0424		229.7680	229.7680	0.0134		230.1034

North County 38+, M - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 38+, M - San Diego County, Winter

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

North County 38+, M - San Diego County, Winter

3.5 Paving - 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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359

North County 38+, M - San Diego County, Winter

3.5 Paving - 2019**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

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	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359

North County 38+, M - San Diego County, Winter

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

North County 38+, M - San Diego County, Winter

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

4.0 Operational Detail - Mobile

North County 38+, M - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3155	1.7430	4.0067	0.0192	2.3963	7.0700e-003	2.4034	0.6405	6.5800e-003	0.6470		1,978.6174	1,978.6174	0.0937		1,980.9592
Unmitigated	0.3155	1.7430	4.0067	0.0192	2.3963	7.0700e-003	2.4034	0.6405	6.5800e-003	0.6470		1,978.6174	1,978.6174	0.0937		1,980.9592

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	380.00	395.58	343.90	1,076,645	1,076,645
Total	380.00	395.58	343.90	1,076,645	1,076,645

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

North County 38+, M - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
NaturalGas Unmitigated	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333

North County 38+, M - San Diego County, Winter

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	3865.21	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
Total		0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	3.86521	0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333
Total		0.0417	0.3562	0.1516	2.2700e-003		0.0288	0.0288		0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333

6.0 Area Detail**6.1 Mitigation Measures Area**

North County 38+, M - San Diego 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	1.7481	0.6664	3.3895	4.1900e-003		0.0684	0.0684		0.0684	0.0684	0.0000	810.3509	810.3509	0.0208	0.0148	815.2672
Unmitigated	1.7481	0.6664	3.3895	4.1900e-003		0.0684	0.0684		0.0684	0.0684	0.0000	810.3509	810.3509	0.0208	0.0148	815.2672

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	0.1173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4638					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0738	0.6304	0.2682	4.0200e-003		0.0510	0.0510		0.0510	0.0510	0.0000	804.7059	804.7059	0.0154	0.0148	809.4879
Landscaping	0.0934	0.0360	3.1213	1.7000e-004		0.0174	0.0174		0.0174	0.0174		5.6450	5.6450	5.3700e-003		5.7793
Total	1.7481	0.6664	3.3895	4.1900e-003		0.0684	0.0684		0.0684	0.0684	0.0000	810.3509	810.3509	0.0208	0.0148	815.2672

North County 38+, M - San Diego 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	0.1173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4638					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0738	0.6304	0.2682	4.0200e-003		0.0510	0.0510		0.0510	0.0510	0.0000	804.7059	804.7059	0.0154	0.0148	809.4879
Landscaping	0.0934	0.0360	3.1213	1.7000e-004		0.0174	0.0174		0.0174	0.0174		5.6450	5.6450	5.3700e-003		5.7793
Total	1.7481	0.6664	3.3895	4.1900e-003		0.0684	0.0684		0.0684	0.0684	0.0000	810.3509	810.3509	0.0208	0.0148	815.2672

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

North County 38+, M - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Pala Pauma 30, UM - San Diego County, Summer

Pala Pauma 30, UM
San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	122.00	Dwelling Unit	39.61	219,600.00	349

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Pala Pauma 30, UM - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	12/31/2017	3/26/2021
tblConstructionPhase	PhaseEndDate	12/31/2017	5/25/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	6/11/2021
tblConstructionPhase	PhaseEndDate	12/31/2017	2/9/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	6/12/2021
tblConstructionPhase	PhaseStartDate	1/1/2018	5/26/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	2/10/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	3/27/2021
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

Pala Pauma 30, UM - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2079	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.851 9	6,520.851 9	1.9532	0.0000	6,569.681 4
2019	2.6564	22.7951	19.5610	0.0362	0.6416	1.3039	1.9455	0.1720	1.2260	1.3980	0.0000	3,536.902 4	3,536.902 4	0.6780	0.0000	3,553.851 9
2020	2.3893	20.7503	19.0387	0.0359	0.6416	1.1274	1.7690	0.1720	1.0601	1.2320	0.0000	3,477.466 9	3,477.466 9	0.6663	0.0000	3,494.124 4
2021	25.2456	18.8506	18.6158	0.0357	0.6416	0.9649	1.6065	0.1720	0.9072	1.0791	0.0000	3,455.338 6	3,455.338 6	0.7191	0.0000	3,471.766 0
Maximum	25.2456	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.851 9	6,520.851 9	1.9532	0.0000	6,569.681 4

Pala Pauma 30, UM - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2079	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.8519	6,520.8519	1.9532	0.0000	6,569.6814
2019	2.6564	22.7951	19.5610	0.0362	0.6416	1.3039	1.9455	0.1720	1.2260	1.3980	0.0000	3,536.9024	3,536.9024	0.6780	0.0000	3,553.8519
2020	2.3893	20.7503	19.0387	0.0359	0.6416	1.1274	1.7690	0.1720	1.0601	1.2320	0.0000	3,477.4669	3,477.4669	0.6663	0.0000	3,494.1244
2021	25.2456	18.8506	18.6158	0.0357	0.6416	0.9649	1.6065	0.1720	0.9072	1.0791	0.0000	3,455.3386	3,455.3386	0.7191	0.0000	3,471.7660
Maximum	25.2456	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.8519	6,520.8519	1.9532	0.0000	6,569.6814

[illegible]

Pala Pauma 30, UM - San Diego 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	192.0838	3.7619	240.4919	0.4181		32.3700	32.3700		32.3700	32.3700	3,388.151 2	1,439.064 6	4,827.215 7	3.1440	0.2665	4,985.232 6
Energy	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.926 1	1,459.926 1	0.0280	0.0268	1,468.601 7
Mobile	1.1990	6.1422	16.4360	0.0826	9.9713	0.0287	9.9999	2.6650	0.0267	2.6917		8,500.796 3	8,500.796 3	0.3730		8,510.120 9
Total	193.4166	11.0477	257.4146	0.5079	9.9713	32.4912	42.4624	2.6650	32.4892	35.1542	3,388.151 2	11,399.78 70	14,787.93 82	3.5449	0.2933	14,963.95 52

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	192.0838	3.7619	240.4919	0.4181		32.3700	32.3700		32.3700	32.3700	3,388.151 2	1,439.064 6	4,827.215 7	3.1440	0.2665	4,985.232 6
Energy	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.926 1	1,459.926 1	0.0280	0.0268	1,468.601 7
Mobile	1.1990	6.1422	16.4360	0.0826	9.9713	0.0287	9.9999	2.6650	0.0267	2.6917		8,500.796 3	8,500.796 3	0.3730		8,510.120 9
Total	193.4166	11.0477	257.4146	0.5079	9.9713	32.4912	42.4624	2.6650	32.4892	35.1542	3,388.151 2	11,399.78 70	14,787.93 82	3.5449	0.2933	14,963.95 52

Pala Pauma 30, UM - San Diego 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	Architectural Coating	Architectural Coating	6/12/2021	8/27/2021	5	55	
2	Building Construction	Building Construction	5/26/2018	3/26/2021	5	740	
3	Grading	Grading	2/10/2018	5/25/2018	5	75	
4	Paving	Paving	3/27/2021	6/11/2021	5	55	
5	Site Preparation	Site Preparation	1/1/2018	2/9/2018	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 0

Residential Indoor: 444,690; Residential Outdoor: 148,230; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Pala Pauma 30, UM - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	9.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	44.00	13.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Pala Pauma 30, UM - San Diego County, Summer

3.2 Architectural Coating - 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					
Archit. Coating	24.9835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	25.2024	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

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	0.0432	0.0301	0.3517	1.1300e-003	0.1150	7.6000e-004	0.1157	0.0305	7.0000e-004	0.0312		112.9038	112.9038	3.1400e-003		112.9823
Total	0.0432	0.0301	0.3517	1.1300e-003	0.1150	7.6000e-004	0.1157	0.0305	7.0000e-004	0.0312		112.9038	112.9038	3.1400e-003		112.9823

Pala Pauma 30, UM - San Diego County, Summer

3.2 Architectural Coating - 2021**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	24.9835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	25.2024	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

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	0.0432	0.0301	0.3517	1.1300e-003	0.1150	7.6000e-004	0.1157	0.0305	7.0000e-004	0.0312		112.9038	112.9038	3.1400e-003		112.9823
Total	0.0432	0.0301	0.3517	1.1300e-003	0.1150	7.6000e-004	0.1157	0.0305	7.0000e-004	0.0312		112.9038	112.9038	3.1400e-003		112.9823

Pala Pauma 30, UM - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0628	1.6306	0.4313	3.3500e-003	0.0796	0.0122	0.0918	0.0229	0.0117	0.0346		358.0865	358.0865	0.0293		358.8191
Worker	0.2591	0.2001	2.2142	6.1100e-003	0.5620	3.8900e-003	0.5659	0.1490	3.5900e-003	0.1526		608.1317	608.1317	0.0203		608.6378
Total	0.3219	1.8307	2.6455	9.4600e-003	0.6416	0.0161	0.6577	0.1720	0.0153	0.1872		966.2181	966.2181	0.0496		967.4569

Pala Pauma 30, UM - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0628	1.6306	0.4313	3.3500e-003	0.0796	0.0122	0.0918	0.0229	0.0117	0.0346		358.0865	358.0865	0.0293		358.8191
Worker	0.2591	0.2001	2.2142	6.1100e-003	0.5620	3.8900e-003	0.5659	0.1490	3.5900e-003	0.1526		608.1317	608.1317	0.0203		608.6378
Total	0.3219	1.8307	2.6455	9.4600e-003	0.6416	0.0161	0.6577	0.1720	0.0153	0.1872		966.2181	966.2181	0.0496		967.4569

Pala Pauma 30, UM - San Diego County, Summer

3.3 Building Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0561	1.5373	0.3955	3.3200e-003	0.0796	0.0102	0.0898	0.0229	9.7600e-003	0.0327		355.5264	355.5264	0.0283		356.2341
Worker	0.2392	0.1790	2.0017	5.9200e-003	0.5620	3.8500e-003	0.5659	0.1490	3.5500e-003	0.1526		589.7958	589.7958	0.0183		590.2543
Total	0.2953	1.7163	2.3972	9.2400e-003	0.6416	0.0141	0.6557	0.1720	0.0133	0.1853		945.3223	945.3223	0.0467		946.4884

Pala Pauma 30, UM - San Diego County, Summer

3.3 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0561	1.5373	0.3955	3.3200e-003	0.0796	0.0102	0.0898	0.0229	9.7600e-003	0.0327		355.5264	355.5264	0.0283		356.2341
Worker	0.2392	0.1790	2.0017	5.9200e-003	0.5620	3.8500e-003	0.5659	0.1490	3.5500e-003	0.1526		589.7958	589.7958	0.0183		590.2543
Total	0.2953	1.7163	2.3972	9.2400e-003	0.6416	0.0141	0.6557	0.1720	0.0133	0.1853		945.3223	945.3223	0.0467		946.4884

Pala Pauma 30, UM - San Diego County, Summer

3.3 Building Construction - 2020**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0457	1.4026	0.3552	3.2900e-003	0.0796	6.5300e-003	0.0861	0.0229	6.2400e-003	0.0292		353.2323	353.2323	0.0268		353.9030
Worker	0.2238	0.1617	1.8349	5.7300e-003	0.5620	3.7900e-003	0.5658	0.1490	3.4900e-003	0.1525		571.1715	571.1715	0.0166		571.5869
Total	0.2695	1.5643	2.1902	9.0200e-003	0.6416	0.0103	0.6519	0.1720	9.7300e-003	0.1817		924.4038	924.4038	0.0435		925.4899

Pala Pauma 30, UM - San Diego County, Summer

3.3 Building Construction - 2020**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	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0457	1.4026	0.3552	3.2900e-003	0.0796	6.5300e-003	0.0861	0.0229	6.2400e-003	0.0292		353.2323	353.2323	0.0268		353.9030
Worker	0.2238	0.1617	1.8349	5.7300e-003	0.5620	3.7900e-003	0.5658	0.1490	3.4900e-003	0.1525		571.1715	571.1715	0.0166		571.5869
Total	0.2695	1.5643	2.1902	9.0200e-003	0.6416	0.0103	0.6519	0.1720	9.7300e-003	0.1817		924.4038	924.4038	0.0435		925.4899

Pala Pauma 30, UM - San Diego County, Summer

3.3 Building Construction - 2021**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0372	1.2715	0.3212	3.2500e-003	0.0796	2.5500e-003	0.0821	0.0229	2.4300e-003	0.0254		350.0007	350.0007	0.0257		350.6437
Worker	0.2113	0.1471	1.7194	5.5400e-003	0.5620	3.7300e-003	0.5658	0.1490	3.4400e-003	0.1525		551.9740	551.9740	0.0154		552.3580
Total	0.2485	1.4185	2.0406	8.7900e-003	0.6416	6.2800e-003	0.6479	0.1720	5.8700e-003	0.1778		901.9747	901.9747	0.0411		903.0017

Pala Pauma 30, UM - San Diego County, Summer

3.3 Building Construction - 2021**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0372	1.2715	0.3212	3.2500e-003	0.0796	2.5500e-003	0.0821	0.0229	2.4300e-003	0.0254		350.0007	350.0007	0.0257		350.6437
Worker	0.2113	0.1471	1.7194	5.5400e-003	0.5620	3.7300e-003	0.5658	0.1490	3.4400e-003	0.1525		551.9740	551.9740	0.0154		552.3580
Total	0.2485	1.4185	2.0406	8.7900e-003	0.6416	6.2800e-003	0.6479	0.1720	5.8700e-003	0.1778		901.9747	901.9747	0.0411		903.0017

Pala Pauma 30, UM - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536
Total	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536

Pala Pauma 30, UM - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536
Total	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536

Pala Pauma 30, UM - San Diego County, Summer

3.5 Paving - 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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

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	0.0720	0.0501	0.5862	1.8900e-003	0.1916	1.2700e-003	0.1929	0.0508	1.1700e-003	0.0520		188.1729	188.1729	5.2400e-003		188.3039
Total	0.0720	0.0501	0.5862	1.8900e-003	0.1916	1.2700e-003	0.1929	0.0508	1.1700e-003	0.0520		188.1729	188.1729	5.2400e-003		188.3039

Pala Pauma 30, UM - San Diego County, Summer

3.5 Paving - 2021**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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

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	0.0720	0.0501	0.5862	1.8900e-003	0.1916	1.2700e-003	0.1929	0.0508	1.1700e-003	0.0520		188.1729	188.1729	5.2400e-003		188.3039
Total	0.0720	0.0501	0.5862	1.8900e-003	0.1916	1.2700e-003	0.1929	0.0508	1.1700e-003	0.0520		188.1729	188.1729	5.2400e-003		188.3039

Pala Pauma 30, UM - San Diego County, Summer

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882

Pala Pauma 30, UM - San Diego County, Summer

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882

4.0 Operational Detail - Mobile

Pala Pauma 30, UM - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1990	6.1422	16.4360	0.0826	9.9713	0.0287	9.9999	2.6650	0.0267	2.6917		8,500.7963	8,500.7963	0.3730		8,510.1209
Unmitigated	1.1990	6.1422	16.4360	0.0826	9.9713	0.0287	9.9999	2.6650	0.0267	2.6917		8,500.7963	8,500.7963	0.3730		8,510.1209

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,220.00	1,270.02	1104.10	4,479,977	4,479,977
Total	1,220.00	1,270.02	1,104.10	4,479,977	4,479,977

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	16.80	7.10	7.90	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

Pala Pauma 30, UM - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017
NaturalGas Unmitigated	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017

Pala Pauma 30, UM - San Diego County, Summer

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	12409.4	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017
Total		0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	12.4094	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017
Total		0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017

6.0 Area Detail**6.1 Mitigation Measures Area**

Pala Pauma 30, UM - San Diego 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	192.0838	3.7619	240.4919	0.4181		32.3700	32.3700		32.3700	32.3700	3,388.151 2	1,439.064 6	4,827.215 7	3.1440	0.2665	4,985.232 6
Unmitigated	192.0838	3.7619	240.4919	0.4181		32.3700	32.3700		32.3700	32.3700	3,388.151 2	1,439.064 6	4,827.215 7	3.1440	0.2665	4,985.232 6

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	0.3765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.6994					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	186.7082	3.6462	230.4710	0.4176		32.3142	32.3142		32.3142	32.3142	3,388.151 2	1,420.941 2	4,809.092 3	3.1267	0.2665	4,966.678 0
Landscaping	0.2997	0.1157	10.0209	5.3000e-004		0.0558	0.0558		0.0558	0.0558		18.1234	18.1234	0.0173		18.5546
Total	192.0838	3.7619	240.4919	0.4181		32.3701	32.3701		32.3701	32.3701	3,388.151 2	1,439.064 6	4,827.215 7	3.1440	0.2665	4,985.232 6

Pala Pauma 30, UM - San Diego 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	0.3765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.6994					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	186.7082	3.6462	230.4710	0.4176		32.3142	32.3142		32.3142	32.3142	3,388.151 2	1,420.941 2	4,809.092 3	3.1267	0.2665	4,966.678 0
Landscaping	0.2997	0.1157	10.0209	5.3000e-004		0.0558	0.0558		0.0558	0.0558		18.1234	18.1234	0.0173		18.5546
Total	192.0838	3.7619	240.4919	0.4181		32.3701	32.3701		32.3701	32.3701	3,388.151 2	1,439.064 6	4,827.215 7	3.1440	0.2665	4,985.232 6

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Pala Pauma 30, UM - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Pala Pauma 30, M - San Diego County, Summer

Pala Pauma 30, M
San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	122.00	Dwelling Unit	39.61	219,600.00	349

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

Pala Pauma 30, M - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	12/31/2017	3/26/2021
tblConstructionPhase	PhaseEndDate	12/31/2017	5/25/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	6/11/2021
tblConstructionPhase	PhaseEndDate	12/31/2017	2/9/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	6/12/2021
tblConstructionPhase	PhaseStartDate	1/1/2018	5/26/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	2/10/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	3/27/2021
tblFireplaces	NumberGas	67.10	122.00
tblFireplaces	NumberNoFireplace	12.20	0.00
tblFireplaces	NumberWood	42.70	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41

Pala Pauma 30, M - San Diego County, Summer

tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	6.10	0.00
tblWoodstoves	NumberNoncatalytic	6.10	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2079	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.8519	6,520.8519	1.9532	0.0000	6,569.6814
2019	2.6564	22.7951	19.5610	0.0362	0.6416	1.3039	1.9455	0.1720	1.2260	1.3980	0.0000	3,536.9024	3,536.9024	0.6780	0.0000	3,553.8519
2020	2.3893	20.7503	19.0387	0.0359	0.6416	1.1274	1.7690	0.1720	1.0601	1.2320	0.0000	3,477.4669	3,477.4669	0.6663	0.0000	3,494.1244
2021	25.2456	18.8506	18.6158	0.0357	0.6416	0.9649	1.6065	0.1720	0.9072	1.0791	0.0000	3,455.3386	3,455.3386	0.7191	0.0000	3,471.7660
Maximum	25.2456	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.8519	6,520.8519	1.9532	0.0000	6,569.6814

Pala Pauma 30, M - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2079	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.8519	6,520.8519	1.9532	0.0000	6,569.6814
2019	2.6564	22.7951	19.5610	0.0362	0.6416	1.3039	1.9455	0.1720	1.2260	1.3980	0.0000	3,536.9024	3,536.9024	0.6780	0.0000	3,553.8519
2020	2.3893	20.7503	19.0387	0.0359	0.6416	1.1274	1.7690	0.1720	1.0601	1.2320	0.0000	3,477.4669	3,477.4669	0.6663	0.0000	3,494.1244
2021	25.2456	18.8506	18.6158	0.0357	0.6416	0.9649	1.6065	0.1720	0.9072	1.0791	0.0000	3,455.3386	3,455.3386	0.7191	0.0000	3,471.7660
Maximum	25.2456	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.8519	6,520.8519	1.9532	0.0000	6,569.6814

[illegible]

Pala Pauma 30, M - San Diego 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	5.6125	2.1394	10.8821	0.0135		0.2194	0.2194		0.2194	0.2194	0.0000	2,601.6528	2,601.6528	0.0668	0.0474	2,617.4367
Energy	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017
Mobile	1.1990	6.1422	16.4360	0.0826	9.9713	0.0287	9.9999	2.6650	0.0267	2.6917		8,500.7963	8,500.7963	0.3730		8,510.1209
Total	6.9452	9.4253	27.8048	0.1033	9.9713	0.3406	10.3118	2.6650	0.3386	3.0036	0.0000	12,562.3753	12,562.3753	0.4677	0.0741	12,596.1593

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	5.6125	2.1394	10.8821	0.0135		0.2194	0.2194		0.2194	0.2194	0.0000	2,601.6528	2,601.6528	0.0668	0.0474	2,617.4367
Energy	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017
Mobile	1.1990	6.1422	16.4360	0.0826	9.9713	0.0287	9.9999	2.6650	0.0267	2.6917		8,500.7963	8,500.7963	0.3730		8,510.1209
Total	6.9452	9.4253	27.8048	0.1033	9.9713	0.3406	10.3118	2.6650	0.3386	3.0036	0.0000	12,562.3753	12,562.3753	0.4677	0.0741	12,596.1593

Pala Pauma 30, M - San Diego 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	Architectural Coating	Architectural Coating	6/12/2021	8/27/2021	5	55	
2	Building Construction	Building Construction	5/26/2018	3/26/2021	5	740	
3	Grading	Grading	2/10/2018	5/25/2018	5	75	
4	Paving	Paving	3/27/2021	6/11/2021	5	55	
5	Site Preparation	Site Preparation	1/1/2018	2/9/2018	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 0

Residential Indoor: 444,690; Residential Outdoor: 148,230; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Pala Pauma 30, M - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	9.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	44.00	13.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Pala Pauma 30, M - San Diego County, Summer

3.2 Architectural Coating - 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					
Archit. Coating	24.9835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	25.2024	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

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	0.0432	0.0301	0.3517	1.1300e-003	0.1150	7.6000e-004	0.1157	0.0305	7.0000e-004	0.0312		112.9038	112.9038	3.1400e-003		112.9823
Total	0.0432	0.0301	0.3517	1.1300e-003	0.1150	7.6000e-004	0.1157	0.0305	7.0000e-004	0.0312		112.9038	112.9038	3.1400e-003		112.9823

Pala Pauma 30, M - San Diego County, Summer

3.2 Architectural Coating - 2021**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	24.9835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	25.2024	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

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	0.0432	0.0301	0.3517	1.1300e-003	0.1150	7.6000e-004	0.1157	0.0305	7.0000e-004	0.0312		112.9038	112.9038	3.1400e-003		112.9823
Total	0.0432	0.0301	0.3517	1.1300e-003	0.1150	7.6000e-004	0.1157	0.0305	7.0000e-004	0.0312		112.9038	112.9038	3.1400e-003		112.9823

Pala Pauma 30, M - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0628	1.6306	0.4313	3.3500e-003	0.0796	0.0122	0.0918	0.0229	0.0117	0.0346		358.0865	358.0865	0.0293		358.8191
Worker	0.2591	0.2001	2.2142	6.1100e-003	0.5620	3.8900e-003	0.5659	0.1490	3.5900e-003	0.1526		608.1317	608.1317	0.0203		608.6378
Total	0.3219	1.8307	2.6455	9.4600e-003	0.6416	0.0161	0.6577	0.1720	0.0153	0.1872		966.2181	966.2181	0.0496		967.4569

Pala Pauma 30, M - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0628	1.6306	0.4313	3.3500e-003	0.0796	0.0122	0.0918	0.0229	0.0117	0.0346		358.0865	358.0865	0.0293		358.8191
Worker	0.2591	0.2001	2.2142	6.1100e-003	0.5620	3.8900e-003	0.5659	0.1490	3.5900e-003	0.1526		608.1317	608.1317	0.0203		608.6378
Total	0.3219	1.8307	2.6455	9.4600e-003	0.6416	0.0161	0.6577	0.1720	0.0153	0.1872		966.2181	966.2181	0.0496		967.4569

Pala Pauma 30, M - San Diego County, Summer

3.3 Building Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0561	1.5373	0.3955	3.3200e-003	0.0796	0.0102	0.0898	0.0229	9.7600e-003	0.0327		355.5264	355.5264	0.0283		356.2341
Worker	0.2392	0.1790	2.0017	5.9200e-003	0.5620	3.8500e-003	0.5659	0.1490	3.5500e-003	0.1526		589.7958	589.7958	0.0183		590.2543
Total	0.2953	1.7163	2.3972	9.2400e-003	0.6416	0.0141	0.6557	0.1720	0.0133	0.1853		945.3223	945.3223	0.0467		946.4884

Pala Pauma 30, M - San Diego County, Summer

3.3 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0561	1.5373	0.3955	3.3200e-003	0.0796	0.0102	0.0898	0.0229	9.7600e-003	0.0327		355.5264	355.5264	0.0283		356.2341
Worker	0.2392	0.1790	2.0017	5.9200e-003	0.5620	3.8500e-003	0.5659	0.1490	3.5500e-003	0.1526		589.7958	589.7958	0.0183		590.2543
Total	0.2953	1.7163	2.3972	9.2400e-003	0.6416	0.0141	0.6557	0.1720	0.0133	0.1853		945.3223	945.3223	0.0467		946.4884

Pala Pauma 30, M - San Diego County, Summer

3.3 Building Construction - 2020**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0457	1.4026	0.3552	3.2900e-003	0.0796	6.5300e-003	0.0861	0.0229	6.2400e-003	0.0292		353.2323	353.2323	0.0268		353.9030
Worker	0.2238	0.1617	1.8349	5.7300e-003	0.5620	3.7900e-003	0.5658	0.1490	3.4900e-003	0.1525		571.1715	571.1715	0.0166		571.5869
Total	0.2695	1.5643	2.1902	9.0200e-003	0.6416	0.0103	0.6519	0.1720	9.7300e-003	0.1817		924.4038	924.4038	0.0435		925.4899

Pala Pauma 30, M - San Diego County, Summer

3.3 Building Construction - 2020**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	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0457	1.4026	0.3552	3.2900e-003	0.0796	6.5300e-003	0.0861	0.0229	6.2400e-003	0.0292		353.2323	353.2323	0.0268		353.9030
Worker	0.2238	0.1617	1.8349	5.7300e-003	0.5620	3.7900e-003	0.5658	0.1490	3.4900e-003	0.1525		571.1715	571.1715	0.0166		571.5869
Total	0.2695	1.5643	2.1902	9.0200e-003	0.6416	0.0103	0.6519	0.1720	9.7300e-003	0.1817		924.4038	924.4038	0.0435		925.4899

Pala Pauma 30, M - San Diego County, Summer

3.3 Building Construction - 2021**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0372	1.2715	0.3212	3.2500e-003	0.0796	2.5500e-003	0.0821	0.0229	2.4300e-003	0.0254		350.0007	350.0007	0.0257		350.6437
Worker	0.2113	0.1471	1.7194	5.5400e-003	0.5620	3.7300e-003	0.5658	0.1490	3.4400e-003	0.1525		551.9740	551.9740	0.0154		552.3580
Total	0.2485	1.4185	2.0406	8.7900e-003	0.6416	6.2800e-003	0.6479	0.1720	5.8700e-003	0.1778		901.9747	901.9747	0.0411		903.0017

Pala Pauma 30, M - San Diego County, Summer

3.3 Building Construction - 2021**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0372	1.2715	0.3212	3.2500e-003	0.0796	2.5500e-003	0.0821	0.0229	2.4300e-003	0.0254		350.0007	350.0007	0.0257		350.6437
Worker	0.2113	0.1471	1.7194	5.5400e-003	0.5620	3.7300e-003	0.5658	0.1490	3.4400e-003	0.1525		551.9740	551.9740	0.0154		552.3580
Total	0.2485	1.4185	2.0406	8.7900e-003	0.6416	6.2800e-003	0.6479	0.1720	5.8700e-003	0.1778		901.9747	901.9747	0.0411		903.0017

Pala Pauma 30, M - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536
Total	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536

Pala Pauma 30, M - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536
Total	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536

Pala Pauma 30, M - San Diego County, Summer

3.5 Paving - 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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

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	0.0720	0.0501	0.5862	1.8900e-003	0.1916	1.2700e-003	0.1929	0.0508	1.1700e-003	0.0520		188.1729	188.1729	5.2400e-003		188.3039
Total	0.0720	0.0501	0.5862	1.8900e-003	0.1916	1.2700e-003	0.1929	0.0508	1.1700e-003	0.0520		188.1729	188.1729	5.2400e-003		188.3039

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3.5 Paving - 2021**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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

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	0.0720	0.0501	0.5862	1.8900e-003	0.1916	1.2700e-003	0.1929	0.0508	1.1700e-003	0.0520		188.1729	188.1729	5.2400e-003		188.3039
Total	0.0720	0.0501	0.5862	1.8900e-003	0.1916	1.2700e-003	0.1929	0.0508	1.1700e-003	0.0520		188.1729	188.1729	5.2400e-003		188.3039

Pala Pauma 30, M - San Diego County, Summer

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882

Pala Pauma 30, M - San Diego County, Summer

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882

4.0 Operational Detail - Mobile

Pala Pauma 30, M - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1990	6.1422	16.4360	0.0826	9.9713	0.0287	9.9999	2.6650	0.0267	2.6917		8,500.7963	8,500.7963	0.3730		8,510.1209
Unmitigated	1.1990	6.1422	16.4360	0.0826	9.9713	0.0287	9.9999	2.6650	0.0267	2.6917		8,500.7963	8,500.7963	0.3730		8,510.1209

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,220.00	1,270.02	1104.10	4,479,977	4,479,977
Total	1,220.00	1,270.02	1,104.10	4,479,977	4,479,977

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	16.80	7.10	7.90	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

Pala Pauma 30, M - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017
NaturalGas Unmitigated	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017

Pala Pauma 30, M - San Diego County, Summer

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	12409.4	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017
Total		0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	12.4094	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017
Total		0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017

6.0 Area Detail**6.1 Mitigation Measures Area**

Pala Pauma 30, M - San Diego 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	5.6125	2.1394	10.8821	0.0135		0.2194	0.2194		0.2194	0.2194	0.0000	2,601.6528	2,601.6528	0.0668	0.0474	2,617.4367
Unmitigated	5.6125	2.1394	10.8821	0.0135		0.2194	0.2194		0.2194	0.2194	0.0000	2,601.6528	2,601.6528	0.0668	0.0474	2,617.4367

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	0.3765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.6994					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2368	2.0238	0.8612	0.0129		0.1636	0.1636		0.1636	0.1636	0.0000	2,583.5294	2,583.5294	0.0495	0.0474	2,598.8820
Landscaping	0.2997	0.1157	10.0209	5.3000e-004		0.0558	0.0558		0.0558	0.0558		18.1234	18.1234	0.0173		18.5546
Total	5.6124	2.1394	10.8821	0.0135		0.2194	0.2194		0.2194	0.2194	0.0000	2,601.6528	2,601.6528	0.0668	0.0474	2,617.4367

Pala Pauma 30, M - San Diego 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	0.3765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.6994					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2368	2.0238	0.8612	0.0129		0.1636	0.1636		0.1636	0.1636	0.0000	2,583.529 4	2,583.529 4	0.0495	0.0474	2,598.882 0
Landscaping	0.2997	0.1157	10.0209	5.3000e-004		0.0558	0.0558		0.0558	0.0558		18.1234	18.1234	0.0173		18.5546
Total	5.6124	2.1394	10.8821	0.0135		0.2194	0.2194		0.2194	0.2194	0.0000	2,601.652 8	2,601.652 8	0.0668	0.0474	2,617.436 7

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Pala Pauma 30, M - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Pala Pauma 30, UM - San Diego County, Winter

Pala Pauma 30, UM
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	122.00	Dwelling Unit	39.61	219,600.00	349

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Pala Pauma 30, UM - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	12/31/2017	3/26/2021
tblConstructionPhase	PhaseEndDate	12/31/2017	5/25/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	6/11/2021
tblConstructionPhase	PhaseEndDate	12/31/2017	2/9/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	6/12/2021
tblConstructionPhase	PhaseStartDate	1/1/2018	5/26/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	2/10/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	3/27/2021
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

Pala Pauma 30, UM - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2262	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.828 7	6,503.828 7	1.9527	0.0000	6,552.644 7
2019	2.6966	22.8157	19.4574	0.0357	0.6416	1.3041	1.9457	0.1720	1.2262	1.3982	0.0000	3,490.779 4	3,490.779 4	0.6788	0.0000	3,507.748 7
2020	2.4273	20.7666	18.9395	0.0355	0.6416	1.1275	1.7691	0.1720	1.0602	1.2322	0.0000	3,432.403 7	3,432.403 7	0.6670	0.0000	3,449.079 6
2021	25.2526	18.8632	18.5186	0.0353	0.6416	0.9650	1.6066	0.1720	0.9073	1.0792	0.0000	3,411.508 8	3,411.508 8	0.7188	0.0000	3,427.953 9
Maximum	25.2526	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.828 7	6,503.828 7	1.9527	0.0000	6,552.644 7

Pala Pauma 30, UM - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2262	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.8287	6,503.8287	1.9527	0.0000	6,552.6447
2019	2.6966	22.8157	19.4574	0.0357	0.6416	1.3041	1.9457	0.1720	1.2262	1.3982	0.0000	3,490.7794	3,490.7794	0.6788	0.0000	3,507.7487
2020	2.4273	20.7666	18.9395	0.0355	0.6416	1.1275	1.7691	0.1720	1.0602	1.2322	0.0000	3,432.4037	3,432.4037	0.6670	0.0000	3,449.0796
2021	25.2526	18.8632	18.5186	0.0353	0.6416	0.9650	1.6066	0.1720	0.9073	1.0792	0.0000	3,411.5088	3,411.5088	0.7188	0.0000	3,427.9538
Maximum	25.2526	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.8287	6,503.8287	1.9527	0.0000	6,552.6447

[illegible]

Pala Pauma 30, UM - San Diego 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	192.0838	3.7619	240.4919	0.4181		32.3700	32.3700		32.3700	32.3700	3,388.151 2	1,439.064 6	4,827.215 7	3.1440	0.2665	4,985.232 6
Energy	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.926 1	1,459.926 1	0.0280	0.0268	1,468.601 7
Mobile	1.1746	6.2542	15.8645	0.0786	9.9713	0.0287	10.0000	2.6650	0.0267	2.6917		8,102.182 5	8,102.182 5	0.3739		8,111.529 5
Total	193.3922	11.1597	256.8430	0.5040	9.9713	32.4912	42.4625	2.6650	32.4892	35.1542	3,388.151 2	11,001.17 32	14,389.32 44	3.5458	0.2933	14,565.36 39

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	192.0838	3.7619	240.4919	0.4181		32.3700	32.3700		32.3700	32.3700	3,388.151 2	1,439.064 6	4,827.215 7	3.1440	0.2665	4,985.232 6
Energy	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.926 1	1,459.926 1	0.0280	0.0268	1,468.601 7
Mobile	1.1746	6.2542	15.8645	0.0786	9.9713	0.0287	10.0000	2.6650	0.0267	2.6917		8,102.182 5	8,102.182 5	0.3739		8,111.529 5
Total	193.3922	11.1597	256.8430	0.5040	9.9713	32.4912	42.4625	2.6650	32.4892	35.1542	3,388.151 2	11,001.17 32	14,389.32 44	3.5458	0.2933	14,565.36 39

Pala Pauma 30, UM - San Diego 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	Architectural Coating	Architectural Coating	6/12/2021	8/27/2021	5	55	
2	Building Construction	Building Construction	5/26/2018	3/26/2021	5	740	
3	Grading	Grading	2/10/2018	5/25/2018	5	75	
4	Paving	Paving	3/27/2021	6/11/2021	5	55	
5	Site Preparation	Site Preparation	1/1/2018	2/9/2018	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 0

Residential Indoor: 444,690; Residential Outdoor: 148,230; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Pala Pauma 30, UM - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	9.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	44.00	13.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Pala Pauma 30, UM - San Diego County, Winter

3.2 Architectural Coating - 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					
Archit. Coating	24.9835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	25.2024	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

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	0.0502	0.0338	0.3239	1.0600e-003	0.1150	7.6000e-004	0.1157	0.0305	7.0000e-004	0.0312		105.9416	105.9416	2.9400e-003		106.0151
Total	0.0502	0.0338	0.3239	1.0600e-003	0.1150	7.6000e-004	0.1157	0.0305	7.0000e-004	0.0312		105.9416	105.9416	2.9400e-003		106.0151

Pala Pauma 30, UM - San Diego County, Winter

3.2 Architectural Coating - 2021**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	24.9835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	25.2024	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

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	0.0502	0.0338	0.3239	1.0600e-003	0.1150	7.6000e-004	0.1157	0.0305	7.0000e-004	0.0312		105.9416	105.9416	2.9400e-003		106.0151
Total	0.0502	0.0338	0.3239	1.0600e-003	0.1150	7.6000e-004	0.1157	0.0305	7.0000e-004	0.0312		105.9416	105.9416	2.9400e-003		106.0151

Pala Pauma 30, UM - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0656	1.6306	0.4798	3.2600e-003	0.0796	0.0124	0.0920	0.0229	0.0119	0.0348		348.3470	348.3470	0.0313		349.1291
Worker	0.2993	0.2246	2.0578	5.7300e-003	0.5620	3.8900e-003	0.5659	0.1490	3.5900e-003	0.1526		570.6806	570.6806	0.0191		571.1573
Total	0.3650	1.8552	2.5376	8.9900e-003	0.6416	0.0163	0.6579	0.1720	0.0155	0.1874		919.0276	919.0276	0.0504		920.2864

Pala Pauma 30, UM - San Diego County, Winter

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0656	1.6306	0.4798	3.2600e-003	0.0796	0.0124	0.0920	0.0229	0.0119	0.0348		348.3470	348.3470	0.0313		349.1291
Worker	0.2993	0.2246	2.0578	5.7300e-003	0.5620	3.8900e-003	0.5659	0.1490	3.5900e-003	0.1526		570.6806	570.6806	0.0191		571.1573
Total	0.3650	1.8552	2.5376	8.9900e-003	0.6416	0.0163	0.6579	0.1720	0.0155	0.1874		919.0276	919.0276	0.0504		920.2864

Pala Pauma 30, UM - San Diego County, Winter

3.3 Building Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0587	1.5359	0.4410	3.2300e-003	0.0796	0.0104	0.0900	0.0229	9.9500e-003	0.0329		345.7551	345.7551	0.0302		346.5103
Worker	0.2768	0.2009	1.8527	5.5500e-003	0.5620	3.8500e-003	0.5659	0.1490	3.5500e-003	0.1526		553.4441	553.4441	0.0172		553.8749
Total	0.3355	1.7369	2.2937	8.7800e-003	0.6416	0.0143	0.6559	0.1720	0.0135	0.1855		899.1992	899.1992	0.0474		900.3852

Pala Pauma 30, UM - San Diego County, Winter

3.3 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0587	1.5359	0.4410	3.2300e-003	0.0796	0.0104	0.0900	0.0229	9.9500e-003	0.0329		345.7551	345.7551	0.0302		346.5103
Worker	0.2768	0.2009	1.8527	5.5500e-003	0.5620	3.8500e-003	0.5659	0.1490	3.5500e-003	0.1526		553.4441	553.4441	0.0172		553.8749
Total	0.3355	1.7369	2.2937	8.7800e-003	0.6416	0.0143	0.6559	0.1720	0.0135	0.1855		899.1992	899.1992	0.0474		900.3852

Pala Pauma 30, UM - San Diego County, Winter

3.3 Building Construction - 2020**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0480	1.3992	0.3964	3.2000e-003	0.0796	6.6600e-003	0.0863	0.0229	6.3700e-003	0.0293		343.3811	343.3811	0.0286		344.0960
Worker	0.2595	0.1814	1.6945	5.3800e-003	0.5620	3.7900e-003	0.5658	0.1490	3.4900e-003	0.1525		535.9596	535.9596	0.0156		536.3491
Total	0.3075	1.5806	2.0910	8.5800e-003	0.6416	0.0105	0.6521	0.1720	9.8600e-003	0.1818		879.3407	879.3407	0.0442		880.4451

Pala Pauma 30, UM - San Diego County, Winter

3.3 Building Construction - 2020**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	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0480	1.3992	0.3964	3.2000e-003	0.0796	6.6600e-003	0.0863	0.0229	6.3700e-003	0.0293		343.3811	343.3811	0.0286		344.0960
Worker	0.2595	0.1814	1.6945	5.3800e-003	0.5620	3.7900e-003	0.5658	0.1490	3.4900e-003	0.1525		535.9596	535.9596	0.0156		536.3491
Total	0.3075	1.5806	2.0910	8.5800e-003	0.6416	0.0105	0.6521	0.1720	9.8600e-003	0.1818		879.3407	879.3407	0.0442		880.4451

Pala Pauma 30, UM - San Diego County, Winter

3.3 Building Construction - 2021**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0393	1.2661	0.3597	3.1600e-003	0.0796	2.6600e-003	0.0823	0.0229	2.5400e-003	0.0255		340.2082	340.2082	0.0274		340.8934
Worker	0.2454	0.1650	1.5837	5.2000e-003	0.5620	3.7300e-003	0.5658	0.1490	3.4400e-003	0.1525		517.9367	517.9367	0.0144		518.2962
Total	0.2847	1.4311	1.9434	8.3600e-003	0.6416	6.3900e-003	0.6480	0.1720	5.9800e-003	0.1779		858.1449	858.1449	0.0418		859.1896

Pala Pauma 30, UM - San Diego County, Winter

3.3 Building Construction - 2021**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0393	1.2661	0.3597	3.1600e-003	0.0796	2.6600e-003	0.0823	0.0229	2.5400e-003	0.0255		340.2082	340.2082	0.0274		340.8934
Worker	0.2454	0.1650	1.5837	5.2000e-003	0.5620	3.7300e-003	0.5658	0.1490	3.4400e-003	0.1525		517.9367	517.9367	0.0144		518.2962
Total	0.2847	1.4311	1.9434	8.3600e-003	0.6416	6.3900e-003	0.6480	0.1720	5.9800e-003	0.1779		858.1449	858.1449	0.0418		859.1896

Pala Pauma 30, UM - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169
Total	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169

Pala Pauma 30, UM - San Diego County, Winter

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169
Total	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169

Pala Pauma 30, UM - San Diego County, Winter

3.5 Paving - 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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

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	0.0837	0.0563	0.5399	1.7700e-003	0.1916	1.2700e-003	0.1929	0.0508	1.1700e-003	0.0520		176.5693	176.5693	4.9000e-003		176.6919
Total	0.0837	0.0563	0.5399	1.7700e-003	0.1916	1.2700e-003	0.1929	0.0508	1.1700e-003	0.0520		176.5693	176.5693	4.9000e-003		176.6919

Pala Pauma 30, UM - San Diego County, Winter

3.5 Paving - 2021**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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

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	0.0837	0.0563	0.5399	1.7700e-003	0.1916	1.2700e-003	0.1929	0.0508	1.1700e-003	0.0520		176.5693	176.5693	4.9000e-003		176.6919
Total	0.0837	0.0563	0.5399	1.7700e-003	0.1916	1.2700e-003	0.1929	0.0508	1.1700e-003	0.0520		176.5693	176.5693	4.9000e-003		176.6919

Pala Pauma 30, UM - San Diego County, Winter

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553

Pala Pauma 30, UM - San Diego County, Winter

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553

4.0 Operational Detail - Mobile

Pala Pauma 30, UM - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1746	6.2542	15.8645	0.0786	9.9713	0.0287	10.0000	2.6650	0.0267	2.6917		8,102.1825	8,102.1825	0.3739		8,111.5295
Unmitigated	1.1746	6.2542	15.8645	0.0786	9.9713	0.0287	10.0000	2.6650	0.0267	2.6917		8,102.1825	8,102.1825	0.3739		8,111.5295

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,220.00	1,270.02	1104.10	4,479,977	4,479,977
Total	1,220.00	1,270.02	1,104.10	4,479,977	4,479,977

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	16.80	7.10	7.90	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

Pala Pauma 30, UM - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017
NaturalGas Unmitigated	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017

Pala Pauma 30, UM - San Diego County, Winter

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	12409.4	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017
Total		0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	12.4094	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017
Total		0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017

6.0 Area Detail**6.1 Mitigation Measures Area**

Pala Pauma 30, UM - San Diego 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	192.0838	3.7619	240.4919	0.4181		32.3700	32.3700		32.3700	32.3700	3,388.151 2	1,439.064 6	4,827.215 7	3.1440	0.2665	4,985.232 6
Unmitigated	192.0838	3.7619	240.4919	0.4181		32.3700	32.3700		32.3700	32.3700	3,388.151 2	1,439.064 6	4,827.215 7	3.1440	0.2665	4,985.232 6

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	0.3765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.6994					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	186.7082	3.6462	230.4710	0.4176		32.3142	32.3142		32.3142	32.3142	3,388.151 2	1,420.941 2	4,809.092 3	3.1267	0.2665	4,966.678 0
Landscaping	0.2997	0.1157	10.0209	5.3000e-004		0.0558	0.0558		0.0558	0.0558		18.1234	18.1234	0.0173		18.5546
Total	192.0838	3.7619	240.4919	0.4181		32.3701	32.3701		32.3701	32.3701	3,388.151 2	1,439.064 6	4,827.215 7	3.1440	0.2665	4,985.232 6

Pala Pauma 30, UM - San Diego 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	0.3765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.6994					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	186.7082	3.6462	230.4710	0.4176		32.3142	32.3142		32.3142	32.3142	3,388.151 2	1,420.941 2	4,809.092 3	3.1267	0.2665	4,966.678 0
Landscaping	0.2997	0.1157	10.0209	5.3000e-004		0.0558	0.0558		0.0558	0.0558		18.1234	18.1234	0.0173		18.5546
Total	192.0838	3.7619	240.4919	0.4181		32.3701	32.3701		32.3701	32.3701	3,388.151 2	1,439.064 6	4,827.215 7	3.1440	0.2665	4,985.232 6

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Pala Pauma 30, UM - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Pala Pauma 30, M - San Diego County, Winter

Pala Pauma 30, M
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	122.00	Dwelling Unit	39.61	219,600.00	349

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

Pala Pauma 30, M - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	12/31/2017	3/26/2021
tblConstructionPhase	PhaseEndDate	12/31/2017	5/25/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	6/11/2021
tblConstructionPhase	PhaseEndDate	12/31/2017	2/9/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	6/12/2021
tblConstructionPhase	PhaseStartDate	1/1/2018	5/26/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	2/10/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	3/27/2021
tblFireplaces	NumberGas	67.10	122.00
tblFireplaces	NumberNoFireplace	12.20	0.00
tblFireplaces	NumberWood	42.70	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41

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tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	6.10	0.00
tblWoodstoves	NumberNoncatalytic	6.10	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2262	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.8287	6,503.8287	1.9527	0.0000	6,552.6447
2019	2.6966	22.8157	19.4574	0.0357	0.6416	1.3041	1.9457	0.1720	1.2262	1.3982	0.0000	3,490.7794	3,490.7794	0.6788	0.0000	3,507.7487
2020	2.4273	20.7666	18.9395	0.0355	0.6416	1.1275	1.7691	0.1720	1.0602	1.2322	0.0000	3,432.4037	3,432.4037	0.6670	0.0000	3,449.0796
2021	25.2526	18.8632	18.5186	0.0353	0.6416	0.9650	1.6066	0.1720	0.9073	1.0792	0.0000	3,411.5088	3,411.5088	0.7188	0.0000	3,427.9539
Maximum	25.2526	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.8287	6,503.8287	1.9527	0.0000	6,552.6447

Pala Pauma 30, M - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2262	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.8287	6,503.8287	1.9527	0.0000	6,552.6447
2019	2.6966	22.8157	19.4574	0.0357	0.6416	1.3041	1.9457	0.1720	1.2262	1.3982	0.0000	3,490.7794	3,490.7794	0.6788	0.0000	3,507.7487
2020	2.4273	20.7666	18.9395	0.0355	0.6416	1.1275	1.7691	0.1720	1.0602	1.2322	0.0000	3,432.4037	3,432.4037	0.6670	0.0000	3,449.0796
2021	25.2526	18.8632	18.5186	0.0353	0.6416	0.9650	1.6066	0.1720	0.9073	1.0792	0.0000	3,411.5088	3,411.5088	0.7188	0.0000	3,427.9538
Maximum	25.2526	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.8287	6,503.8287	1.9527	0.0000	6,552.6447

[illegible]

Pala Pauma 30, M - San Diego 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	5.6125	2.1394	10.8821	0.0135		0.2194	0.2194		0.2194	0.2194	0.0000	2,601.6528	2,601.6528	0.0668	0.0474	2,617.4367
Energy	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017
Mobile	1.1746	6.2542	15.8645	0.0786	9.9713	0.0287	10.0000	2.6650	0.0267	2.6917		8,102.1825	8,102.1825	0.3739		8,111.5295
Total	6.9208	9.5373	27.2332	0.0994	9.9713	0.3406	10.3119	2.6650	0.3386	3.0036	0.0000	12,163.7614	12,163.7614	0.4686	0.0741	12,197.5679

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	5.6125	2.1394	10.8821	0.0135		0.2194	0.2194		0.2194	0.2194	0.0000	2,601.6528	2,601.6528	0.0668	0.0474	2,617.4367
Energy	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017
Mobile	1.1746	6.2542	15.8645	0.0786	9.9713	0.0287	10.0000	2.6650	0.0267	2.6917		8,102.1825	8,102.1825	0.3739		8,111.5295
Total	6.9208	9.5373	27.2332	0.0994	9.9713	0.3406	10.3119	2.6650	0.3386	3.0036	0.0000	12,163.7614	12,163.7614	0.4686	0.0741	12,197.5679

Pala Pauma 30, M - San Diego 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	Architectural Coating	Architectural Coating	6/12/2021	8/27/2021	5	55	
2	Building Construction	Building Construction	5/26/2018	3/26/2021	5	740	
3	Grading	Grading	2/10/2018	5/25/2018	5	75	
4	Paving	Paving	3/27/2021	6/11/2021	5	55	
5	Site Preparation	Site Preparation	1/1/2018	2/9/2018	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 0

Residential Indoor: 444,690; Residential Outdoor: 148,230; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Pala Pauma 30, M - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	9.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	44.00	13.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Pala Pauma 30, M - San Diego County, Winter

3.2 Architectural Coating - 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					
Archit. Coating	24.9835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	25.2024	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

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	0.0502	0.0338	0.3239	1.0600e-003	0.1150	7.6000e-004	0.1157	0.0305	7.0000e-004	0.0312		105.9416	105.9416	2.9400e-003		106.0151
Total	0.0502	0.0338	0.3239	1.0600e-003	0.1150	7.6000e-004	0.1157	0.0305	7.0000e-004	0.0312		105.9416	105.9416	2.9400e-003		106.0151

Pala Pauma 30, M - San Diego County, Winter

3.2 Architectural Coating - 2021**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	24.9835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	25.2024	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

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	0.0502	0.0338	0.3239	1.0600e-003	0.1150	7.6000e-004	0.1157	0.0305	7.0000e-004	0.0312		105.9416	105.9416	2.9400e-003		106.0151
Total	0.0502	0.0338	0.3239	1.0600e-003	0.1150	7.6000e-004	0.1157	0.0305	7.0000e-004	0.0312		105.9416	105.9416	2.9400e-003		106.0151

Pala Pauma 30, M - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.0656	1.6306	0.4798	3.2600e-003	0.0796	0.0124	0.0920	0.0229	0.0119	0.0348		348.3470	348.3470	0.0313		349.1291
Worker	0.2993	0.2246	2.0578	5.7300e-003	0.5620	3.8900e-003	0.5659	0.1490	3.5900e-003	0.1526		570.6806	570.6806	0.0191		571.1573
Total	0.3650	1.8552	2.5376	8.9900e-003	0.6416	0.0163	0.6579	0.1720	0.0155	0.1874		919.0276	919.0276	0.0504		920.2864

Pala Pauma 30, M - San Diego County, Winter

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0656	1.6306	0.4798	3.2600e-003	0.0796	0.0124	0.0920	0.0229	0.0119	0.0348		348.3470	348.3470	0.0313		349.1291
Worker	0.2993	0.2246	2.0578	5.7300e-003	0.5620	3.8900e-003	0.5659	0.1490	3.5900e-003	0.1526		570.6806	570.6806	0.0191		571.1573
Total	0.3650	1.8552	2.5376	8.9900e-003	0.6416	0.0163	0.6579	0.1720	0.0155	0.1874		919.0276	919.0276	0.0504		920.2864

Pala Pauma 30, M - San Diego County, Winter

3.3 Building Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0587	1.5359	0.4410	3.2300e-003	0.0796	0.0104	0.0900	0.0229	9.9500e-003	0.0329		345.7551	345.7551	0.0302		346.5103
Worker	0.2768	0.2009	1.8527	5.5500e-003	0.5620	3.8500e-003	0.5659	0.1490	3.5500e-003	0.1526		553.4441	553.4441	0.0172		553.8749
Total	0.3355	1.7369	2.2937	8.7800e-003	0.6416	0.0143	0.6559	0.1720	0.0135	0.1855		899.1992	899.1992	0.0474		900.3852

Pala Pauma 30, M - San Diego County, Winter

3.3 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0587	1.5359	0.4410	3.2300e-003	0.0796	0.0104	0.0900	0.0229	9.9500e-003	0.0329		345.7551	345.7551	0.0302		346.5103
Worker	0.2768	0.2009	1.8527	5.5500e-003	0.5620	3.8500e-003	0.5659	0.1490	3.5500e-003	0.1526		553.4441	553.4441	0.0172		553.8749
Total	0.3355	1.7369	2.2937	8.7800e-003	0.6416	0.0143	0.6559	0.1720	0.0135	0.1855		899.1992	899.1992	0.0474		900.3852

Pala Pauma 30, M - San Diego County, Winter

3.3 Building Construction - 2020**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0480	1.3992	0.3964	3.2000e-003	0.0796	6.6600e-003	0.0863	0.0229	6.3700e-003	0.0293		343.3811	343.3811	0.0286		344.0960
Worker	0.2595	0.1814	1.6945	5.3800e-003	0.5620	3.7900e-003	0.5658	0.1490	3.4900e-003	0.1525		535.9596	535.9596	0.0156		536.3491
Total	0.3075	1.5806	2.0910	8.5800e-003	0.6416	0.0105	0.6521	0.1720	9.8600e-003	0.1818		879.3407	879.3407	0.0442		880.4451

Pala Pauma 30, M - San Diego County, Winter

3.3 Building Construction - 2020**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	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0480	1.3992	0.3964	3.2000e-003	0.0796	6.6600e-003	0.0863	0.0229	6.3700e-003	0.0293		343.3811	343.3811	0.0286		344.0960
Worker	0.2595	0.1814	1.6945	5.3800e-003	0.5620	3.7900e-003	0.5658	0.1490	3.4900e-003	0.1525		535.9596	535.9596	0.0156		536.3491
Total	0.3075	1.5806	2.0910	8.5800e-003	0.6416	0.0105	0.6521	0.1720	9.8600e-003	0.1818		879.3407	879.3407	0.0442		880.4451

Pala Pauma 30, M - San Diego County, Winter

3.3 Building Construction - 2021**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0393	1.2661	0.3597	3.1600e-003	0.0796	2.6600e-003	0.0823	0.0229	2.5400e-003	0.0255		340.2082	340.2082	0.0274		340.8934
Worker	0.2454	0.1650	1.5837	5.2000e-003	0.5620	3.7300e-003	0.5658	0.1490	3.4400e-003	0.1525		517.9367	517.9367	0.0144		518.2962
Total	0.2847	1.4311	1.9434	8.3600e-003	0.6416	6.3900e-003	0.6480	0.1720	5.9800e-003	0.1779		858.1449	858.1449	0.0418		859.1896

Pala Pauma 30, M - San Diego County, Winter

3.3 Building Construction - 2021**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0393	1.2661	0.3597	3.1600e-003	0.0796	2.6600e-003	0.0823	0.0229	2.5400e-003	0.0255		340.2082	340.2082	0.0274		340.8934
Worker	0.2454	0.1650	1.5837	5.2000e-003	0.5620	3.7300e-003	0.5658	0.1490	3.4400e-003	0.1525		517.9367	517.9367	0.0144		518.2962
Total	0.2847	1.4311	1.9434	8.3600e-003	0.6416	6.3900e-003	0.6480	0.1720	5.9800e-003	0.1779		858.1449	858.1449	0.0418		859.1896

Pala Pauma 30, M - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169
Total	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169

Pala Pauma 30, M - San Diego County, Winter

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169
Total	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169

Pala Pauma 30, M - San Diego County, Winter

3.5 Paving - 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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

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	0.0837	0.0563	0.5399	1.7700e-003	0.1916	1.2700e-003	0.1929	0.0508	1.1700e-003	0.0520		176.5693	176.5693	4.9000e-003		176.6919
Total	0.0837	0.0563	0.5399	1.7700e-003	0.1916	1.2700e-003	0.1929	0.0508	1.1700e-003	0.0520		176.5693	176.5693	4.9000e-003		176.6919

Pala Pauma 30, M - San Diego County, Winter

3.5 Paving - 2021**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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

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	0.0837	0.0563	0.5399	1.7700e-003	0.1916	1.2700e-003	0.1929	0.0508	1.1700e-003	0.0520		176.5693	176.5693	4.9000e-003		176.6919
Total	0.0837	0.0563	0.5399	1.7700e-003	0.1916	1.2700e-003	0.1929	0.0508	1.1700e-003	0.0520		176.5693	176.5693	4.9000e-003		176.6919

Pala Pauma 30, M - San Diego County, Winter

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553

Pala Pauma 30, M - San Diego County, Winter

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553

4.0 Operational Detail - Mobile

Pala Pauma 30, M - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1746	6.2542	15.8645	0.0786	9.9713	0.0287	10.0000	2.6650	0.0267	2.6917		8,102.1825	8,102.1825	0.3739		8,111.5295
Unmitigated	1.1746	6.2542	15.8645	0.0786	9.9713	0.0287	10.0000	2.6650	0.0267	2.6917		8,102.1825	8,102.1825	0.3739		8,111.5295

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,220.00	1,270.02	1104.10	4,479,977	4,479,977
Total	1,220.00	1,270.02	1,104.10	4,479,977	4,479,977

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	16.80	7.10	7.90	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

Pala Pauma 30, M - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017
NaturalGas Unmitigated	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017

Pala Pauma 30, M - San Diego County, Winter

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	12409.4	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017
Total		0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	12.4094	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017
Total		0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.9261	1,459.9261	0.0280	0.0268	1,468.6017

6.0 Area Detail**6.1 Mitigation Measures Area**

Pala Pauma 30, M - San Diego 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	5.6125	2.1394	10.8821	0.0135		0.2194	0.2194		0.2194	0.2194	0.0000	2,601.6528	2,601.6528	0.0668	0.0474	2,617.4367
Unmitigated	5.6125	2.1394	10.8821	0.0135		0.2194	0.2194		0.2194	0.2194	0.0000	2,601.6528	2,601.6528	0.0668	0.0474	2,617.4367

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	0.3765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.6994					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2368	2.0238	0.8612	0.0129		0.1636	0.1636		0.1636	0.1636	0.0000	2,583.5294	2,583.5294	0.0495	0.0474	2,598.8820
Landscaping	0.2997	0.1157	10.0209	5.3000e-004		0.0558	0.0558		0.0558	0.0558		18.1234	18.1234	0.0173		18.5546
Total	5.6124	2.1394	10.8821	0.0135		0.2194	0.2194		0.2194	0.2194	0.0000	2,601.6528	2,601.6528	0.0668	0.0474	2,617.4367

Pala Pauma 30, M - San Diego 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	0.3765					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.6994					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2368	2.0238	0.8612	0.0129		0.1636	0.1636		0.1636	0.1636	0.0000	2,583.529 4	2,583.529 4	0.0495	0.0474	2,598.882 0
Landscaping	0.2997	0.1157	10.0209	5.3000e-004		0.0558	0.0558		0.0558	0.0558		18.1234	18.1234	0.0173		18.5546
Total	5.6124	2.1394	10.8821	0.0135		0.2194	0.2194		0.2194	0.2194	0.0000	2,601.652 8	2,601.652 8	0.0668	0.0474	2,617.436 7

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Pala Pauma 30, M - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

San Dieguito 15, UM - San Diego County, Summer

San Dieguito 15, UM
San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	378.32	1000sqft	8.69	378,320.00	0
Single Family Housing	301.00	Dwelling Unit	97.73	541,800.00	861

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

San Dieguito 15, UM - San Diego County, Summer

Project Characteristics -

Land Use -

Construction Phase -

Off-road Equipment -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG SFR Weekday rate.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

San Dieguito 15, UM - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/26/2025	3/18/2033
tblConstructionPhase	PhaseEndDate	2/21/2025	7/11/2031
tblConstructionPhase	PhaseEndDate	3/15/2019	8/23/2019
tblConstructionPhase	PhaseEndDate	7/25/2025	5/14/2032
tblConstructionPhase	PhaseEndDate	8/10/2018	6/15/2018
tblConstructionPhase	PhaseStartDate	7/26/2025	5/15/2032
tblConstructionPhase	PhaseStartDate	3/16/2019	8/24/2019
tblConstructionPhase	PhaseStartDate	8/11/2018	6/16/2018
tblConstructionPhase	PhaseStartDate	2/22/2025	7/12/2031
tblConstructionPhase	PhaseStartDate	5/19/2018	1/1/2018
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

San Dieguito 15, UM - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

San Dieguito 15, UM - San Diego 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
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.873 3	6,423.873 3	1.9501	0.0000	6,472.626 2
2019	4.8174	54.5750	33.9956	0.0729	8.8376	2.3838	11.2215	3.6401	2.1931	5.8332	0.0000	7,366.893 7	7,366.893 7	1.9482	0.0000	7,389.638 6
2020	3.3115	30.3515	26.0400	0.0720	2.5175	1.1821	3.6996	0.6822	1.1121	1.7943	0.0000	7,246.930 6	7,246.930 6	0.8844	0.0000	7,269.040 1
2021	2.9772	27.5187	25.0885	0.0711	2.5175	0.9917	3.5093	0.6822	0.9325	1.6146	0.0000	7,157.141 8	7,157.141 8	0.8649	0.0000	7,178.765 1
2022	2.7194	25.1308	24.3217	0.0701	2.5175	0.8390	3.3565	0.6822	0.7894	1.4716	0.0000	7,063.944 9	7,063.944 9	0.8504	0.0000	7,085.205 8
2023	2.4856	21.9348	23.6068	0.0688	2.5175	0.7206	3.2381	0.6822	0.6779	1.3601	0.0000	6,927.548 7	6,927.548 7	0.8262	0.0000	6,948.203 1
2024	2.3416	20.8590	23.1225	0.0679	2.5175	0.6337	3.1512	0.6822	0.5960	1.2782	0.0000	6,842.947 7	6,842.947 7	0.8171	0.0000	6,863.374 7
2025	2.2008	19.7528	22.6770	0.0670	2.5175	0.5476	3.0651	0.6822	0.5150	1.1971	0.0000	6,760.403 0	6,760.403 0	0.8088	0.0000	6,780.623 9
2026	2.1688	19.6293	22.3767	0.0663	2.5175	0.5470	3.0645	0.6822	0.5144	1.1966	0.0000	6,686.932 0	6,686.932 0	0.8046	0.0000	6,707.047 9
2027	2.1376	19.5129	22.1115	0.0656	2.5175	0.5462	3.0637	0.6822	0.5136	1.1958	0.0000	6,621.720 5	6,621.720 5	0.8010	0.0000	6,641.745 3
2028	2.1060	19.4146	21.8895	0.0650	2.5175	0.5452	3.0627	0.6822	0.5128	1.1949	0.0000	6,565.066 4	6,565.066 4	0.7978	0.0000	6,585.011 9
2029	2.0723	19.3155	21.6766	0.0645	2.5175	0.5443	3.0618	0.6822	0.5119	1.1941	0.0000	6,514.115 3	6,514.115 3	0.7952	0.0000	6,533.994 0
2030	1.9782	14.6945	21.5528	0.0681	2.5175	0.1641	2.6816	0.6822	0.1631	0.8452	0.0000	6,811.174 3	6,811.174 3	0.3080	0.0000	6,818.874 3
2031	1.9410	14.6191	21.3675	0.0677	2.5175	0.3312	2.6809	0.6822	0.3311	0.8445	0.0000	6,773.000 3	6,773.000 3	0.3058	0.0000	6,780.644 1
2032	23.5974	7.1352	16.0548	0.0289	0.3779	0.3311	0.4544	0.1002	0.3311	0.3638	0.0000	2,742.113 4	2,742.113 4	0.1262	0.0000	2,745.267 8
2033	23.5919	0.9000	2.4006	5.5500e-003	0.3779	0.0217	0.3996	0.1002	0.0216	0.1219	0.0000	539.3787	539.3787	0.0162	0.0000	539.7842
Maximum	23.5974	59.5831	35.7740	0.0729	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	7,366.893 7	7,366.893 7	1.9501	0.0000	7,389.638 6

San Dieguito 15, UM - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

San Dieguito 15, UM - San Diego 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
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.873 3	6,423.873 3	1.9501	0.0000	6,472.626 2
2019	4.8174	54.5750	33.9956	0.0729	8.8376	2.3838	11.2215	3.6401	2.1931	5.8332	0.0000	7,366.893 7	7,366.893 7	1.9482	0.0000	7,389.638 6
2020	3.3115	30.3515	26.0400	0.0720	2.5175	1.1821	3.6996	0.6822	1.1121	1.7943	0.0000	7,246.930 6	7,246.930 6	0.8844	0.0000	7,269.040 1
2021	2.9772	27.5187	25.0885	0.0711	2.5175	0.9917	3.5093	0.6822	0.9325	1.6146	0.0000	7,157.141 8	7,157.141 8	0.8649	0.0000	7,178.765 1
2022	2.7194	25.1308	24.3217	0.0701	2.5175	0.8390	3.3565	0.6822	0.7894	1.4716	0.0000	7,063.944 9	7,063.944 9	0.8504	0.0000	7,085.205 8
2023	2.4856	21.9348	23.6068	0.0688	2.5175	0.7206	3.2381	0.6822	0.6779	1.3601	0.0000	6,927.548 7	6,927.548 7	0.8262	0.0000	6,948.203 1
2024	2.3416	20.8590	23.1225	0.0679	2.5175	0.6337	3.1512	0.6822	0.5960	1.2782	0.0000	6,842.947 7	6,842.947 7	0.8171	0.0000	6,863.374 7
2025	2.2008	19.7528	22.6770	0.0670	2.5175	0.5476	3.0651	0.6822	0.5150	1.1971	0.0000	6,760.403 0	6,760.403 0	0.8088	0.0000	6,780.623 9
2026	2.1688	19.6293	22.3767	0.0663	2.5175	0.5470	3.0645	0.6822	0.5144	1.1966	0.0000	6,686.932 0	6,686.932 0	0.8046	0.0000	6,707.047 9
2027	2.1376	19.5129	22.1115	0.0656	2.5175	0.5462	3.0637	0.6822	0.5136	1.1958	0.0000	6,621.720 5	6,621.720 5	0.8010	0.0000	6,641.745 3
2028	2.1060	19.4146	21.8895	0.0650	2.5175	0.5452	3.0627	0.6822	0.5128	1.1949	0.0000	6,565.066 4	6,565.066 4	0.7978	0.0000	6,585.011 9
2029	2.0723	19.3155	21.6766	0.0645	2.5175	0.5443	3.0618	0.6822	0.5119	1.1941	0.0000	6,514.115 3	6,514.115 3	0.7952	0.0000	6,533.994 0
2030	1.9782	14.6945	21.5528	0.0681	2.5175	0.1641	2.6816	0.6822	0.1631	0.8452	0.0000	6,811.174 3	6,811.174 3	0.3080	0.0000	6,818.874 3
2031	1.9410	14.6191	21.3675	0.0677	2.5175	0.3312	2.6809	0.6822	0.3311	0.8445	0.0000	6,773.000 3	6,773.000 3	0.3058	0.0000	6,780.644 1
2032	23.5974	7.1352	16.0548	0.0289	0.3779	0.3311	0.4544	0.1002	0.3311	0.3638	0.0000	2,742.113 3	2,742.113 3	0.1262	0.0000	2,745.267 8
2033	23.5919	0.9000	2.4006	5.5500e-003	0.3779	0.0217	0.3996	0.1002	0.0216	0.1219	0.0000	539.3787	539.3787	0.0162	0.0000	539.7842
Maximum	23.5974	59.5831	35.7740	0.0729	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	7,366.893 7	7,366.893 7	1.9501	0.0000	7,389.638 6

San Dieguito 15, UM - San Diego County, Summer

[illegible]

San Dieguito 15, UM - San Diego 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	482.4917	9.2817	593.3832	1.0315		79.8639	79.8639		79.8639	79.8639	8,359.2910	3,550.5617	11,909.8527	7.7570	0.6575	12,299.7194
Energy	0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519
Mobile	5.6607	30.6603	69.9570	0.3402	40.1382	0.1195	40.2577	10.7275	0.1113	10.8388		35,070.3074	35,070.3074	1.5829		35,109.8793
Total	488.6323	44.1671	665.9919	1.3979	40.1382	80.3151	120.4533	10.7275	80.3069	91.0344	8,359.2910	43,856.9058	52,216.1968	9.4403	0.7535	52,676.7505

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	482.4917	9.2817	593.3832	1.0315		79.8639	79.8639		79.8639	79.8639	8,359.2910	3,550.5617	11,909.8527	7.7570	0.6575	12,299.7194
Energy	0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519
Mobile	5.6607	30.6603	69.9570	0.3402	40.1382	0.1195	40.2577	10.7275	0.1113	10.8388		35,070.3074	35,070.3074	1.5829		35,109.8793
Total	488.6323	44.1671	665.9919	1.3979	40.1382	80.3151	120.4533	10.7275	80.3069	91.0344	8,359.2910	43,856.9058	52,216.1968	9.4403	0.7535	52,676.7505

San Dieguito 15, UM - San Diego 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	Site Preparation	Site Preparation	1/1/2018	6/15/2018	5	120	
2	Grading	Grading	6/16/2018	8/23/2019	5	310	
3	Building Construction	Building Construction	8/24/2019	7/11/2031	5	3100	
4	Paving	Paving	7/12/2031	5/14/2032	5	220	
5	Architectural Coating	Architectural Coating	5/15/2032	3/18/2033	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 0

Residential Indoor: 1,097,145; Residential Outdoor: 365,715; Non-Residential Indoor: 567,480; Non-Residential Outdoor: 189,160; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

San Dieguito 15, UM - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	46.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	229.00	94.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

San Dieguito 15, UM - San Diego County, Summer

3.2 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

San Dieguito 15, UM - San Diego County, Summer

3.2 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

San Dieguito 15, UM - San Diego County, Summer

3.3 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

San Dieguito 15, UM - San Diego County, Summer

3.3 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

San Dieguito 15, UM - San Diego County, Summer

3.3 Grading - 2019**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0785	0.0548	0.6188	1.7500e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		174.0399	174.0399	5.5600e-003		174.1789
Total	0.0785	0.0548	0.6188	1.7500e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		174.0399	174.0399	5.5600e-003		174.1789

San Dieguito 15, UM - San Diego County, Summer

3.3 Grading - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.019 5	6,140.019 5	1.9426		6,188.585 4
Total	4.7389	54.5202	33.3768	0.0620	8.6733	2.3827	11.0560	3.5965	2.1920	5.7885	0.0000	6,140.019 5	6,140.019 5	1.9426		6,188.585 4

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	0.0785	0.0548	0.6188	1.7500e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		174.0399	174.0399	5.5600e-003		174.1789
Total	0.0785	0.0548	0.6188	1.7500e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		174.0399	174.0399	5.5600e-003		174.1789

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4326	11.6548	3.0089	0.0260	0.6364	0.0811	0.7174	0.1832	0.0776	0.2608		2,782.556 4	2,782.556 4	0.2148		2,787.927 1
Worker	0.8992	0.6275	7.0855	0.0200	1.8812	0.0134	1.8946	0.4990	0.0124	0.5113		1,992.757 2	1,992.757 2	0.0636		1,994.348 0
Total	1.3318	12.2824	10.0945	0.0460	2.5175	0.0945	2.6120	0.6822	0.0899	0.7721		4,775.313 5	4,775.313 5	0.2785		4,782.275 1

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4326	11.6548	3.0089	0.0260	0.6364	0.0811	0.7174	0.1832	0.0776	0.2608		2,782.556 4	2,782.556 4	0.2148		2,787.927 1
Worker	0.8992	0.6275	7.0855	0.0200	1.8812	0.0134	1.8946	0.4990	0.0124	0.5113		1,992.757 2	1,992.757 2	0.0636		1,994.348 0
Total	1.3318	12.2824	10.0945	0.0460	2.5175	0.0945	2.6120	0.6822	0.0899	0.7721		4,775.313 5	4,775.313 5	0.2785		4,782.275 1

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2020**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3513	10.5993	2.7003	0.0257	0.6363	0.0519	0.6882	0.1832	0.0496	0.2328		2,763.976 8	2,763.976 8	0.2039		2,769.074 2
Worker	0.8403	0.5662	6.4912	0.0194	1.8812	0.0132	1.8944	0.4990	0.0122	0.5111		1,929.890 8	1,929.890 8	0.0576		1,931.331 4
Total	1.1916	11.1655	9.1915	0.0451	2.5175	0.0651	2.5826	0.6822	0.0618	0.7439		4,693.867 5	4,693.867 5	0.2615		4,700.405 6

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2020**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	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3513	10.5993	2.7003	0.0257	0.6363	0.0519	0.6882	0.1832	0.0496	0.2328		2,763.976 8	2,763.976 8	0.2039		2,769.074 2
Worker	0.8403	0.5662	6.4912	0.0194	1.8812	0.0132	1.8944	0.4990	0.0122	0.5111		1,929.890 8	1,929.890 8	0.0576		1,931.331 4
Total	1.1916	11.1655	9.1915	0.0451	2.5175	0.0651	2.5826	0.6822	0.0618	0.7439		4,693.867 5	4,693.867 5	0.2615		4,700.405 6

San Dieguito 15, UM - San Diego County, Summer

3.4 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		2,553.363 9	2,553.363 9	0.6160		2,568.764 3
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.363 9	2,553.363 9	0.6160		2,568.764 3

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	0.2842	9.5720	2.4393	0.0255	0.6363	0.0201	0.6565	0.1832	0.0192	0.2024		2,738.708 3	2,738.708 3	0.1957		2,743.600 5
Worker	0.7921	0.5146	6.0740	0.0187	1.8812	0.0130	1.8942	0.4990	0.0120	0.5110		1,865.069 6	1,865.069 6	0.0532		1,866.400 3
Total	1.0763	10.0866	8.5133	0.0442	2.5175	0.0331	2.5506	0.6822	0.0312	0.7134		4,603.777 9	4,603.777 9	0.2489		4,610.000 8

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2021**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2842	9.5720	2.4393	0.0255	0.6363	0.0201	0.6565	0.1832	0.0192	0.2024		2,738.708 3	2,738.708 3	0.1957		2,743.600 5
Worker	0.7921	0.5146	6.0740	0.0187	1.8812	0.0130	1.8942	0.4990	0.0120	0.5110		1,865.069 6	1,865.069 6	0.0532		1,866.400 3
Total	1.0763	10.0866	8.5133	0.0442	2.5175	0.0331	2.5506	0.6822	0.0312	0.7134		4,603.777 9	4,603.777 9	0.2489		4,610.000 8

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2022**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2643	9.0459	2.3103	0.0252	0.6363	0.0173	0.6536	0.1832	0.0165	0.1997		2,712.9695	2,712.9695	0.1897		2,717.7119
Worker	0.7488	0.4693	5.6480	0.0180	1.8812	0.0127	1.8939	0.4990	0.0117	0.5107		1,796.6418	1,796.6418	0.0488		1,797.8617
Total	1.0132	9.5151	7.9583	0.0432	2.5175	0.0300	2.5475	0.6822	0.0283	0.7104		4,509.6113	4,509.6113	0.2385		4,515.5736

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3.4 Building Construction - 2022**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2643	9.0459	2.3103	0.0252	0.6363	0.0173	0.6536	0.1832	0.0165	0.1997		2,712.9695	2,712.9695	0.1897		2,717.7119
Worker	0.7488	0.4693	5.6480	0.0180	1.8812	0.0127	1.8939	0.4990	0.0117	0.5107		1,796.6418	1,796.6418	0.0488		1,797.8617
Total	1.0132	9.5151	7.9583	0.0432	2.5175	0.0300	2.5475	0.6822	0.0283	0.7104		4,509.6113	4,509.6113	0.2385		4,515.5736

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2023**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2038	7.1213	2.1163	0.0245	0.6363	8.3900e-003	0.6447	0.1832	8.0200e-003	0.1912		2,644.3801	2,644.3801	0.1737		2,648.7218
Worker	0.7090	0.4286	5.2466	0.0173	1.8812	0.0125	1.8936	0.4990	0.0115	0.5105		1,727.9587	1,727.9587	0.0447		1,729.0753
Total	0.9128	7.5499	7.3628	0.0418	2.5175	0.0209	2.5384	0.6822	0.0195	0.7017		4,372.3388	4,372.3388	0.2183		4,377.7971

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3.4 Building Construction - 2023**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2038	7.1213	2.1163	0.0245	0.6363	8.3900e-003	0.6447	0.1832	8.0200e-003	0.1912		2,644.3801	2,644.3801	0.1737		2,648.7218
Worker	0.7090	0.4286	5.2466	0.0173	1.8812	0.0125	1.8936	0.4990	0.0115	0.5105		1,727.9587	1,727.9587	0.0447		1,729.0753
Total	0.9128	7.5499	7.3628	0.0418	2.5175	0.0209	2.5384	0.6822	0.0195	0.7017		4,372.3388	4,372.3388	0.2183		4,377.7971

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2024**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1966	7.0221	2.0503	0.0243	0.6363	8.1900e-003	0.6445	0.1832	7.8200e-003	0.1910		2,627.3718	2,627.3718	0.1717		2,631.6635
Worker	0.6735	0.3931	4.9054	0.0167	1.8812	0.0122	1.8934	0.4990	0.0113	0.5102		1,659.8770	1,659.8770	0.0411		1,660.9035
Total	0.8701	7.4152	6.9556	0.0409	2.5175	0.0204	2.5379	0.6822	0.0191	0.7013		4,287.2488	4,287.2488	0.2127		4,292.5671

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2024**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1966	7.0221	2.0503	0.0243	0.6363	8.1900e-003	0.6445	0.1832	7.8200e-003	0.1910		2,627.3718	2,627.3718	0.1717		2,631.6635
Worker	0.6735	0.3931	4.9054	0.0167	1.8812	0.0122	1.8934	0.4990	0.0113	0.5102		1,659.8770	1,659.8770	0.0411		1,660.9035
Total	0.8701	7.4152	6.9556	0.0409	2.5175	0.0204	2.5379	0.6822	0.0191	0.7013		4,287.2488	4,287.2488	0.2127		4,292.5671

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1909	6.9206	2.0102	0.0241	0.6363	7.9600e-003	0.6443	0.1832	7.6100e-003	0.1908		2,611.207 0	2,611.207 0	0.1700		2,615.456 2
Worker	0.6425	0.3625	4.5821	0.0160	1.8812	0.0120	1.8932	0.4990	0.0111	0.5101		1,592.721 6	1,592.721 6	0.0379		1,593.669 6
Total	0.8334	7.2831	6.5923	0.0401	2.5175	0.0200	2.5375	0.6822	0.0187	0.7009		4,203.928 6	4,203.928 6	0.2079		4,209.125 8

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1909	6.9206	2.0102	0.0241	0.6363	7.9600e-003	0.6443	0.1832	7.6100e-003	0.1908		2,611.207 0	2,611.207 0	0.1700		2,615.456 2
Worker	0.6425	0.3625	4.5821	0.0160	1.8812	0.0120	1.8932	0.4990	0.0111	0.5101		1,592.721 6	1,592.721 6	0.0379		1,593.669 6
Total	0.8334	7.2831	6.5923	0.0401	2.5175	0.0200	2.5375	0.6822	0.0187	0.7009		4,203.928 6	4,203.928 6	0.2079		4,209.125 8

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1860	6.8224	1.9826	0.0239	0.6363	7.7400e-003	0.6441	0.1832	7.4000e-003	0.1906		2,596.079 1	2,596.079 1	0.1683		2,600.287 5
Worker	0.6154	0.3372	4.3094	0.0154	1.8812	0.0117	1.8929	0.4990	0.0107	0.5097		1,534.378 6	1,534.378 6	0.0354		1,535.262 3
Total	0.8014	7.1596	6.2920	0.0393	2.5175	0.0194	2.5369	0.6822	0.0181	0.7003		4,130.457 7	4,130.457 7	0.2037		4,135.549 9

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2026**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1860	6.8224	1.9826	0.0239	0.6363	7.7400e-003	0.6441	0.1832	7.4000e-003	0.1906		2,596.079 1	2,596.079 1	0.1683		2,600.287 5
Worker	0.6154	0.3372	4.3094	0.0154	1.8812	0.0117	1.8929	0.4990	0.0107	0.5097		1,534.378 6	1,534.378 6	0.0354		1,535.262 3
Total	0.8014	7.1596	6.2920	0.0393	2.5175	0.0194	2.5369	0.6822	0.0181	0.7003		4,130.457 7	4,130.457 7	0.2037		4,135.549 9

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1819	6.7284	1.9591	0.0238	0.6363	7.5700e-003	0.6439	0.1832	7.2300e-003	0.1904		2,582.240 6	2,582.240 6	0.1669		2,586.413 9
Worker	0.5883	0.3148	4.0678	0.0149	1.8812	0.0110	1.8922	0.4990	0.0102	0.5091		1,483.005 6	1,483.005 6	0.0331		1,483.833 4
Total	0.7702	7.0432	6.0268	0.0387	2.5175	0.0186	2.5361	0.6822	0.0174	0.6995		4,065.246 2	4,065.246 2	0.2000		4,070.247 3

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2027**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1819	6.7284	1.9591	0.0238	0.6363	7.5700e-003	0.6439	0.1832	7.2300e-003	0.1904		2,582.240 6	2,582.240 6	0.1669		2,586.413 9
Worker	0.5883	0.3148	4.0678	0.0149	1.8812	0.0110	1.8922	0.4990	0.0102	0.5091		1,483.005 6	1,483.005 6	0.0331		1,483.833 4
Total	0.7702	7.0432	6.0268	0.0387	2.5175	0.0186	2.5361	0.6822	0.0174	0.6995		4,065.246 2	4,065.246 2	0.2000		4,070.247 3

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2028**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1787	6.6499	1.9473	0.0237	0.6363	7.4200e-003	0.6438	0.1832	7.0900e-003	0.1903		2,570.640 6	2,570.640 6	0.1657		2,574.781 9
Worker	0.5599	0.2950	3.8575	0.0144	1.8812	0.0102	1.8914	0.4990	9.4100e-003	0.5084		1,437.951 5	1,437.951 5	0.0312		1,438.731 9
Total	0.7386	6.9449	5.8048	0.0381	2.5175	0.0176	2.5352	0.6822	0.0165	0.6987		4,008.592 1	4,008.592 1	0.1969		4,013.513 8

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2028**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1787	6.6499	1.9473	0.0237	0.6363	7.4200e-003	0.6438	0.1832	7.0900e-003	0.1903		2,570.640 6	2,570.640 6	0.1657		2,574.781 9
Worker	0.5599	0.2950	3.8575	0.0144	1.8812	0.0102	1.8914	0.4990	9.4100e-003	0.5084		1,437.951 5	1,437.951 5	0.0312		1,438.731 9
Total	0.7386	6.9449	5.8048	0.0381	2.5175	0.0176	2.5352	0.6822	0.0165	0.6987		4,008.592 1	4,008.592 1	0.1969		4,013.513 8

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1757	6.5691	1.9340	0.0235	0.6363	7.2500e-003	0.6436	0.1832	6.9300e-003	0.1901		2,559.272 5	2,559.272 5	0.1647		2,563.390 9
Worker	0.5292	0.2768	3.6579	0.0140	1.8812	9.4900e-003	1.8907	0.4990	8.7300e-003	0.5077		1,398.368 5	1,398.368 5	0.0295		1,399.105 0
Total	0.7049	6.8459	5.5919	0.0375	2.5175	0.0167	2.5343	0.6822	0.0157	0.6978		3,957.640 9	3,957.640 9	0.1942		3,962.495 9

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2029**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1757	6.5691	1.9340	0.0235	0.6363	7.2500e-003	0.6436	0.1832	6.9300e-003	0.1901		2,559.272 5	2,559.272 5	0.1647		2,563.390 9
Worker	0.5292	0.2768	3.6579	0.0140	1.8812	9.4900e-003	1.8907	0.4990	8.7300e-003	0.5077		1,398.368 5	1,398.368 5	0.0295		1,399.105 0
Total	0.7049	6.8459	5.5919	0.0375	2.5175	0.0167	2.5343	0.6822	0.0157	0.6978		3,957.640 9	3,957.640 9	0.1942		3,962.495 9

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2030**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1733	6.5007	1.9272	0.0234	0.6363	7.1100e-003	0.6434	0.1832	6.7900e-003	0.1900		2,550.0400	2,550.0400	0.1639		2,554.1386
Worker	0.4958	0.2592	3.4686	0.0137	1.8812	8.8200e-003	1.8900	0.4990	8.1100e-003	0.5071		1,363.5876	1,363.5876	0.0278		1,364.2828
Total	0.6691	6.7599	5.3958	0.0371	2.5175	0.0159	2.5334	0.6822	0.0149	0.6971		3,913.6276	3,913.6276	0.1918		3,918.4214

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2030**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1733	6.5007	1.9272	0.0234	0.6363	7.1100e-003	0.6434	0.1832	6.7900e-003	0.1900		2,550.0400	2,550.0400	0.1639		2,554.1386
Worker	0.4958	0.2592	3.4686	0.0137	1.8812	8.8200e-003	1.8900	0.4990	8.1100e-003	0.5071		1,363.5876	1,363.5876	0.0278		1,364.2828
Total	0.6691	6.7599	5.3958	0.0371	2.5175	0.0159	2.5334	0.6822	0.0149	0.6971		3,913.6276	3,913.6276	0.1918		3,918.4214

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2031**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1714	6.4417	1.9214	0.0233	0.6363	6.9900e-003	0.6433	0.1832	6.6800e-003	0.1899		2,542.2845	2,542.2845	0.1632		2,546.3642
Worker	0.4605	0.2428	3.2892	0.0134	1.8812	8.2100e-003	1.8894	0.4990	7.5500e-003	0.5065		1,333.1691	1,333.1691	0.0263		1,333.8270
Total	0.6318	6.6845	5.2105	0.0367	2.5175	0.0152	2.5327	0.6822	0.0142	0.6964		3,875.4535	3,875.4535	0.1895		3,880.1912

San Dieguito 15, UM - San Diego County, Summer

3.4 Building Construction - 2031**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1714	6.4417	1.9214	0.0233	0.6363	6.9900e-003	0.6433	0.1832	6.6800e-003	0.1899		2,542.2845	2,542.2845	0.1632		2,546.3642
Worker	0.4605	0.2428	3.2892	0.0134	1.8812	8.2100e-003	1.8894	0.4990	7.5500e-003	0.5065		1,333.1691	1,333.1691	0.0263		1,333.8270
Total	0.6318	6.6845	5.2105	0.0367	2.5175	0.0152	2.5327	0.6822	0.0142	0.6964		3,875.4535	3,875.4535	0.1895		3,880.1912

San Dieguito 15, UM - San Diego County, Summer

3.5 Paving - 2031**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0302	0.0159	0.2155	8.8000e-004	0.1232	5.4000e-004	0.1238	0.0327	4.9000e-004	0.0332		87.3255	87.3255	1.7200e-003		87.3686
Total	0.0302	0.0159	0.2155	8.8000e-004	0.1232	5.4000e-004	0.1238	0.0327	4.9000e-004	0.0332		87.3255	87.3255	1.7200e-003		87.3686

San Dieguito 15, UM - San Diego County, Summer

3.5 Paving - 2031**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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0302	0.0159	0.2155	8.8000e-004	0.1232	5.4000e-004	0.1238	0.0327	4.9000e-004	0.0332		87.3255	87.3255	1.7200e-003		87.3686
Total	0.0302	0.0159	0.2155	8.8000e-004	0.1232	5.4000e-004	0.1238	0.0327	4.9000e-004	0.0332		87.3255	87.3255	1.7200e-003		87.3686

San Dieguito 15, UM - San Diego County, Summer

3.5 Paving - 2032**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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0281	0.0150	0.2053	8.6000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		85.5966	85.5966	1.6400e-003		85.6377
Total	0.0281	0.0150	0.2053	8.6000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		85.5966	85.5966	1.6400e-003		85.6377

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3.5 Paving - 2032**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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0281	0.0150	0.2053	8.6000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		85.5966	85.5966	1.6400e-003		85.6377
Total	0.0281	0.0150	0.2053	8.6000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		85.5966	85.5966	1.6400e-003		85.6377

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3.6 Architectural Coating - 2032**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	23.3804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	23.5112	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

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	0.0862	0.0460	0.6297	2.6300e-003	0.3779	1.5400e-003	0.3794	0.1002	1.4100e-003	0.1016		262.4962	262.4962	5.0400e-003		262.6222
Total	0.0862	0.0460	0.6297	2.6300e-003	0.3779	1.5400e-003	0.3794	0.1002	1.4100e-003	0.1016		262.4962	262.4962	5.0400e-003		262.6222

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3.6 Architectural Coating - 2032**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	23.3804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	23.5112	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

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	0.0862	0.0460	0.6297	2.6300e-003	0.3779	1.5400e-003	0.3794	0.1002	1.4100e-003	0.1016		262.4962	262.4962	5.0400e-003		262.6222
Total	0.0862	0.0460	0.6297	2.6300e-003	0.3779	1.5400e-003	0.3794	0.1002	1.4100e-003	0.1016		262.4962	262.4962	5.0400e-003		262.6222

San Dieguito 15, UM - San Diego County, Summer

3.6 Architectural Coating - 2033**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	23.3804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	23.5112	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

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	0.0807	0.0437	0.6029	2.5800e-003	0.3779	1.4300e-003	0.3793	0.1002	1.3200e-003	0.1016		257.9306	257.9306	4.8300e-003		258.0514
Total	0.0807	0.0437	0.6029	2.5800e-003	0.3779	1.4300e-003	0.3793	0.1002	1.3200e-003	0.1016		257.9306	257.9306	4.8300e-003		258.0514

San Dieguito 15, UM - San Diego County, Summer

3.6 Architectural Coating - 2033**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	23.3804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	23.5112	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

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	0.0807	0.0437	0.6029	2.5800e-003	0.3779	1.4300e-003	0.3793	0.1002	1.3200e-003	0.1016		257.9306	257.9306	4.8300e-003		258.0514
Total	0.0807	0.0437	0.6029	2.5800e-003	0.3779	1.4300e-003	0.3793	0.1002	1.3200e-003	0.1016		257.9306	257.9306	4.8300e-003		258.0514

4.0 Operational Detail - Mobile

San Dieguito 15, UM - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.6607	30.6603	69.9570	0.3402	40.1382	0.1195	40.2577	10.7275	0.1113	10.8388		35,070.3074	35,070.3074	1.5829		35,109.8793
Unmitigated	5.6607	30.6603	69.9570	0.3402	40.1382	0.1195	40.2577	10.7275	0.1113	10.8388		35,070.3074	35,070.3074	1.5829		35,109.8793

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	4,172.87	930.67	397.24	7,576,285	7,576,285
Single Family Housing	3,010.00	3,133.41	2724.05	8,528,163	8,528,163
Total	7,182.87	4,064.08	3,121.29	16,104,448	16,104,448

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
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

San Dieguito 15, UM - San Diego County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668
Single Family Housing	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519
NaturalGas Unmitigated	0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519

San Dieguito 15, UM - San Diego County, Summer

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					
General Office Building	21009.7	0.2266	2.0598	1.7302	0.0124		0.1565	0.1565		0.1565	0.1565		2,471.7313	2,471.7313	0.0474	0.0453	2,486.4196
Single Family Housing	23496.6	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.3054	2,764.3054	0.0530	0.0507	2,780.7323
Total		0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	21.0097	0.2266	2.0598	1.7302	0.0124		0.1565	0.1565		0.1565	0.1565		2,471.7313	2,471.7313	0.0474	0.0453	2,486.4196
Single Family Housing	23.4966	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.3054	2,764.3054	0.0530	0.0507	2,780.7323
Total		0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519

6.0 Area Detail**6.1 Mitigation Measures Area**

San Dieguito 15, UM - San Diego 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	482.4917	9.2817	593.3832	1.0315		79.8639	79.8639		79.8639	79.8639	8,359.2910	3,550.5617	11,909.8527	7.7570	0.6575	12,299.7194
Unmitigated	482.4917	9.2817	593.3832	1.0315		79.8639	79.8639		79.8639	79.8639	8,359.2910	3,550.5617	11,909.8527	7.7570	0.6575	12,299.7194

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	1.4092					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.6906					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	460.6489	8.9959	568.6210	1.0302		79.7261	79.7261		79.7261	79.7261	8,359.2910	3,505.7647	11,865.0557	7.7142	0.6575	12,253.8530
Landscaping	0.7430	0.2857	24.7622	1.3100e-003		0.1379	0.1379		0.1379	0.1379		44.7970	44.7970	0.0428		45.8664
Total	482.4917	9.2817	593.3832	1.0315		79.8639	79.8639		79.8639	79.8639	8,359.2910	3,550.5618	11,909.8527	7.7570	0.6575	12,299.7194

San Dieguito 15, UM - San Diego 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	1.4092					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.6906					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	460.6489	8.9959	568.6210	1.0302		79.7261	79.7261		79.7261	79.7261	8,359.2910	3,505.7647	11,865.0557	7.7142	0.6575	12,253.8530
Landscaping	0.7430	0.2857	24.7622	1.3100e-003		0.1379	0.1379		0.1379	0.1379		44.7970	44.7970	0.0428		45.8664
Total	482.4917	9.2817	593.3832	1.0315		79.8639	79.8639		79.8639	79.8639	8,359.2910	3,550.5618	11,909.8527	7.7570	0.6575	12,299.7194

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

San Dieguito 15, UM - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

San Dieguito 15, M - San Diego County, Summer

San Dieguito 15, M
San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	378.32	1000sqft	8.69	378,320.00	0
Single Family Housing	301.00	Dwelling Unit	97.73	541,800.00	861

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

San Dieguito 15, M - San Diego County, Summer

Project Characteristics -

Land Use -

Construction Phase -

Off-road Equipment -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG SFR Weekday rate.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/26/2025	3/18/2033
tblConstructionPhase	PhaseEndDate	2/21/2025	7/11/2031
tblConstructionPhase	PhaseEndDate	3/15/2019	8/23/2019
tblConstructionPhase	PhaseEndDate	7/25/2025	5/14/2032

San Dieguito 15, M - San Diego County, Summer

tblConstructionPhase	PhaseEndDate	8/10/2018	6/15/2018
tblConstructionPhase	PhaseStartDate	7/26/2025	5/15/2032
tblConstructionPhase	PhaseStartDate	3/16/2019	8/24/2019
tblConstructionPhase	PhaseStartDate	8/11/2018	6/16/2018
tblConstructionPhase	PhaseStartDate	2/22/2025	7/12/2031
tblConstructionPhase	PhaseStartDate	5/19/2018	1/1/2018
tblFireplaces	NumberGas	165.55	301.00
tblFireplaces	NumberNoFireplace	30.10	0.00
tblFireplaces	NumberWood	105.35	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	15.05	0.00
tblWoodstoves	NumberNoncatalytic	15.05	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

San Dieguito 15, M - San Diego 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
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.873 3	6,423.873 3	1.9501	0.0000	6,472.626 2
2019	4.8174	54.5750	33.9956	0.0729	8.8376	2.3838	11.2215	3.6401	2.1931	5.8332	0.0000	7,366.893 7	7,366.893 7	1.9482	0.0000	7,389.638 6
2020	3.3115	30.3515	26.0400	0.0720	2.5175	1.1821	3.6996	0.6822	1.1121	1.7943	0.0000	7,246.930 6	7,246.930 6	0.8844	0.0000	7,269.040 1
2021	2.9772	27.5187	25.0885	0.0711	2.5175	0.9917	3.5093	0.6822	0.9325	1.6146	0.0000	7,157.141 8	7,157.141 8	0.8649	0.0000	7,178.765 1
2022	2.7194	25.1308	24.3217	0.0701	2.5175	0.8390	3.3565	0.6822	0.7894	1.4716	0.0000	7,063.944 9	7,063.944 9	0.8504	0.0000	7,085.205 8
2023	2.4856	21.9348	23.6068	0.0688	2.5175	0.7206	3.2381	0.6822	0.6779	1.3601	0.0000	6,927.548 7	6,927.548 7	0.8262	0.0000	6,948.203 1
2024	2.3416	20.8590	23.1225	0.0679	2.5175	0.6337	3.1512	0.6822	0.5960	1.2782	0.0000	6,842.947 7	6,842.947 7	0.8171	0.0000	6,863.374 7
2025	2.2008	19.7528	22.6770	0.0670	2.5175	0.5476	3.0651	0.6822	0.5150	1.1971	0.0000	6,760.403 0	6,760.403 0	0.8088	0.0000	6,780.623 9
2026	2.1688	19.6293	22.3767	0.0663	2.5175	0.5470	3.0645	0.6822	0.5144	1.1966	0.0000	6,686.932 0	6,686.932 0	0.8046	0.0000	6,707.047 9
2027	2.1376	19.5129	22.1115	0.0656	2.5175	0.5462	3.0637	0.6822	0.5136	1.1958	0.0000	6,621.720 5	6,621.720 5	0.8010	0.0000	6,641.745 3
2028	2.1060	19.4146	21.8895	0.0650	2.5175	0.5452	3.0627	0.6822	0.5128	1.1949	0.0000	6,565.066 4	6,565.066 4	0.7978	0.0000	6,585.011 9
2029	2.0723	19.3155	21.6766	0.0645	2.5175	0.5443	3.0618	0.6822	0.5119	1.1941	0.0000	6,514.115 3	6,514.115 3	0.7952	0.0000	6,533.994 0
2030	1.9782	14.6945	21.5528	0.0681	2.5175	0.1641	2.6816	0.6822	0.1631	0.8452	0.0000	6,811.174 3	6,811.174 3	0.3080	0.0000	6,818.874 3
2031	1.9410	14.6191	21.3675	0.0677	2.5175	0.3312	2.6809	0.6822	0.3311	0.8445	0.0000	6,773.000 3	6,773.000 3	0.3058	0.0000	6,780.644 1
2032	23.5974	7.1352	16.0548	0.0289	0.3779	0.3311	0.4544	0.1002	0.3311	0.3638	0.0000	2,742.113 4	2,742.113 4	0.1262	0.0000	2,745.267 8
2033	23.5919	0.9000	2.4006	5.5500e-003	0.3779	0.0217	0.3996	0.1002	0.0216	0.1219	0.0000	539.3787	539.3787	0.0162	0.0000	539.7842
Maximum	23.5974	59.5831	35.7740	0.0729	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	7,366.893 7	7,366.893 7	1.9501	0.0000	7,389.638 6

San Dieguito 15, M - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

San Dieguito 15, M - San Diego 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
Year	lb/day										lb/day					
2018	5.1753	59.5831	35.7740	0.0638	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,423.873 3	6,423.873 3	1.9501	0.0000	6,472.626 2
2019	4.8174	54.5750	33.9956	0.0729	8.8376	2.3838	11.2215	3.6401	2.1931	5.8332	0.0000	7,366.893 7	7,366.893 7	1.9482	0.0000	7,389.638 6
2020	3.3115	30.3515	26.0400	0.0720	2.5175	1.1821	3.6996	0.6822	1.1121	1.7943	0.0000	7,246.930 6	7,246.930 6	0.8844	0.0000	7,269.040 1
2021	2.9772	27.5187	25.0885	0.0711	2.5175	0.9917	3.5093	0.6822	0.9325	1.6146	0.0000	7,157.141 8	7,157.141 8	0.8649	0.0000	7,178.765 1
2022	2.7194	25.1308	24.3217	0.0701	2.5175	0.8390	3.3565	0.6822	0.7894	1.4716	0.0000	7,063.944 9	7,063.944 9	0.8504	0.0000	7,085.205 8
2023	2.4856	21.9348	23.6068	0.0688	2.5175	0.7206	3.2381	0.6822	0.6779	1.3601	0.0000	6,927.548 7	6,927.548 7	0.8262	0.0000	6,948.203 1
2024	2.3416	20.8590	23.1225	0.0679	2.5175	0.6337	3.1512	0.6822	0.5960	1.2782	0.0000	6,842.947 7	6,842.947 7	0.8171	0.0000	6,863.374 7
2025	2.2008	19.7528	22.6770	0.0670	2.5175	0.5476	3.0651	0.6822	0.5150	1.1971	0.0000	6,760.403 0	6,760.403 0	0.8088	0.0000	6,780.623 9
2026	2.1688	19.6293	22.3767	0.0663	2.5175	0.5470	3.0645	0.6822	0.5144	1.1966	0.0000	6,686.932 0	6,686.932 0	0.8046	0.0000	6,707.047 9
2027	2.1376	19.5129	22.1115	0.0656	2.5175	0.5462	3.0637	0.6822	0.5136	1.1958	0.0000	6,621.720 5	6,621.720 5	0.8010	0.0000	6,641.745 3
2028	2.1060	19.4146	21.8895	0.0650	2.5175	0.5452	3.0627	0.6822	0.5128	1.1949	0.0000	6,565.066 4	6,565.066 4	0.7978	0.0000	6,585.011 9
2029	2.0723	19.3155	21.6766	0.0645	2.5175	0.5443	3.0618	0.6822	0.5119	1.1941	0.0000	6,514.115 3	6,514.115 3	0.7952	0.0000	6,533.994 0
2030	1.9782	14.6945	21.5528	0.0681	2.5175	0.1641	2.6816	0.6822	0.1631	0.8452	0.0000	6,811.174 3	6,811.174 3	0.3080	0.0000	6,818.874 3
2031	1.9410	14.6191	21.3675	0.0677	2.5175	0.3312	2.6809	0.6822	0.3311	0.8445	0.0000	6,773.000 3	6,773.000 3	0.3058	0.0000	6,780.644 1
2032	23.5974	7.1352	16.0548	0.0289	0.3779	0.3311	0.4544	0.1002	0.3311	0.3638	0.0000	2,742.113 3	2,742.113 3	0.1262	0.0000	2,745.267 8
2033	23.5919	0.9000	2.4006	5.5500e-003	0.3779	0.0217	0.3996	0.1002	0.0216	0.1219	0.0000	539.3787	539.3787	0.0162	0.0000	539.7842
Maximum	23.5974	59.5831	35.7740	0.0729	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	7,366.893 7	7,366.893 7	1.9501	0.0000	7,389.638 6

San Dieguito 15, M - San Diego County, Summer

[illegible]

San Dieguito 15, M - San Diego 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	22.4271	5.2788	26.8869	0.0332		0.5415	0.5415		0.5415	0.5415	0.0000	6,418.914 7	6,418.914 7	0.1649	0.1169	6,457.862 2
Energy	0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.036 7	5,236.036 7	0.1004	0.0960	5,267.151 9
Mobile	5.6607	30.6603	69.9570	0.3402	40.1382	0.1195	40.2577	10.7275	0.1113	10.8388		35,070.30 74	35,070.30 74	1.5829		35,109.87 93
Total	28.5677	40.1643	99.4956	0.3996	40.1382	0.9927	41.1309	10.7275	0.9845	11.7120	0.0000	46,725.25 88	46,725.25 88	1.8482	0.2129	46,834.89 34

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	22.4271	5.2788	26.8869	0.0332		0.5415	0.5415		0.5415	0.5415	0.0000	6,418.914 7	6,418.914 7	0.1649	0.1169	6,457.862 2
Energy	0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.036 7	5,236.036 7	0.1004	0.0960	5,267.151 9
Mobile	5.6607	30.6603	69.9570	0.3402	40.1382	0.1195	40.2577	10.7275	0.1113	10.8388		35,070.30 74	35,070.30 74	1.5829		35,109.87 93
Total	28.5677	40.1643	99.4956	0.3996	40.1382	0.9927	41.1309	10.7275	0.9845	11.7120	0.0000	46,725.25 88	46,725.25 88	1.8482	0.2129	46,834.89 34

San Dieguito 15, M - San Diego 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	Site Preparation	Site Preparation	1/1/2018	6/15/2018	5	120	
2	Grading	Grading	6/16/2018	8/23/2019	5	310	
3	Building Construction	Building Construction	8/24/2019	7/11/2031	5	3100	
4	Paving	Paving	7/12/2031	5/14/2032	5	220	
5	Architectural Coating	Architectural Coating	5/15/2032	3/18/2033	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 0

Residential Indoor: 1,097,145; Residential Outdoor: 365,715; Non-Residential Indoor: 567,480; Non-Residential Outdoor: 189,160; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

San Dieguito 15, M - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	46.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	229.00	94.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

San Dieguito 15, M - San Diego County, Summer

3.2 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

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3.2 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386
Total	0.0766	0.0552	0.6162	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		161.5004	161.5004	5.5300e-003		161.6386

San Dieguito 15, M - San Diego County, Summer

3.3 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

San Dieguito 15, M - San Diego County, Summer

3.3 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984
Total	0.0851	0.0613	0.6847	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		179.4449	179.4449	6.1400e-003		179.5984

San Dieguito 15, M - San Diego County, Summer

3.3 Grading - 2019**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0785	0.0548	0.6188	1.7500e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		174.0399	174.0399	5.5600e-003		174.1789
Total	0.0785	0.0548	0.6188	1.7500e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		174.0399	174.0399	5.5600e-003		174.1789

San Dieguito 15, M - San Diego County, Summer

3.3 Grading - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.019 5	6,140.019 5	1.9426		6,188.585 4
Total	4.7389	54.5202	33.3768	0.0620	8.6733	2.3827	11.0560	3.5965	2.1920	5.7885	0.0000	6,140.019 5	6,140.019 5	1.9426		6,188.585 4

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	0.0785	0.0548	0.6188	1.7500e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		174.0399	174.0399	5.5600e-003		174.1789
Total	0.0785	0.0548	0.6188	1.7500e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		174.0399	174.0399	5.5600e-003		174.1789

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3.4 Building Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4326	11.6548	3.0089	0.0260	0.6364	0.0811	0.7174	0.1832	0.0776	0.2608		2,782.556 4	2,782.556 4	0.2148		2,787.927 1
Worker	0.8992	0.6275	7.0855	0.0200	1.8812	0.0134	1.8946	0.4990	0.0124	0.5113		1,992.757 2	1,992.757 2	0.0636		1,994.348 0
Total	1.3318	12.2824	10.0945	0.0460	2.5175	0.0945	2.6120	0.6822	0.0899	0.7721		4,775.313 5	4,775.313 5	0.2785		4,782.275 1

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3.4 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4326	11.6548	3.0089	0.0260	0.6364	0.0811	0.7174	0.1832	0.0776	0.2608		2,782.556 4	2,782.556 4	0.2148		2,787.927 1
Worker	0.8992	0.6275	7.0855	0.0200	1.8812	0.0134	1.8946	0.4990	0.0124	0.5113		1,992.757 2	1,992.757 2	0.0636		1,994.348 0
Total	1.3318	12.2824	10.0945	0.0460	2.5175	0.0945	2.6120	0.6822	0.0899	0.7721		4,775.313 5	4,775.313 5	0.2785		4,782.275 1

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2020**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3513	10.5993	2.7003	0.0257	0.6363	0.0519	0.6882	0.1832	0.0496	0.2328		2,763.976 8	2,763.976 8	0.2039		2,769.074 2
Worker	0.8403	0.5662	6.4912	0.0194	1.8812	0.0132	1.8944	0.4990	0.0122	0.5111		1,929.890 8	1,929.890 8	0.0576		1,931.331 4
Total	1.1916	11.1655	9.1915	0.0451	2.5175	0.0651	2.5826	0.6822	0.0618	0.7439		4,693.867 5	4,693.867 5	0.2615		4,700.405 6

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2020**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	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3513	10.5993	2.7003	0.0257	0.6363	0.0519	0.6882	0.1832	0.0496	0.2328		2,763.976 8	2,763.976 8	0.2039		2,769.074 2
Worker	0.8403	0.5662	6.4912	0.0194	1.8812	0.0132	1.8944	0.4990	0.0122	0.5111		1,929.890 8	1,929.890 8	0.0576		1,931.331 4
Total	1.1916	11.1655	9.1915	0.0451	2.5175	0.0651	2.5826	0.6822	0.0618	0.7439		4,693.867 5	4,693.867 5	0.2615		4,700.405 6

San Dieguito 15, M - San Diego County, Summer

3.4 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		2,553.363 9	2,553.363 9	0.6160		2,568.764 3
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.363 9	2,553.363 9	0.6160		2,568.764 3

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	0.2842	9.5720	2.4393	0.0255	0.6363	0.0201	0.6565	0.1832	0.0192	0.2024		2,738.708 3	2,738.708 3	0.1957		2,743.600 5
Worker	0.7921	0.5146	6.0740	0.0187	1.8812	0.0130	1.8942	0.4990	0.0120	0.5110		1,865.069 6	1,865.069 6	0.0532		1,866.400 3
Total	1.0763	10.0866	8.5133	0.0442	2.5175	0.0331	2.5506	0.6822	0.0312	0.7134		4,603.777 9	4,603.777 9	0.2489		4,610.000 8

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2021**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2842	9.5720	2.4393	0.0255	0.6363	0.0201	0.6565	0.1832	0.0192	0.2024		2,738.708 3	2,738.708 3	0.1957		2,743.600 5
Worker	0.7921	0.5146	6.0740	0.0187	1.8812	0.0130	1.8942	0.4990	0.0120	0.5110		1,865.069 6	1,865.069 6	0.0532		1,866.400 3
Total	1.0763	10.0866	8.5133	0.0442	2.5175	0.0331	2.5506	0.6822	0.0312	0.7134		4,603.777 9	4,603.777 9	0.2489		4,610.000 8

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2022**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2643	9.0459	2.3103	0.0252	0.6363	0.0173	0.6536	0.1832	0.0165	0.1997		2,712.9695	2,712.9695	0.1897		2,717.7119
Worker	0.7488	0.4693	5.6480	0.0180	1.8812	0.0127	1.8939	0.4990	0.0117	0.5107		1,796.6418	1,796.6418	0.0488		1,797.8617
Total	1.0132	9.5151	7.9583	0.0432	2.5175	0.0300	2.5475	0.6822	0.0283	0.7104		4,509.6113	4,509.6113	0.2385		4,515.5736

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2022**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2643	9.0459	2.3103	0.0252	0.6363	0.0173	0.6536	0.1832	0.0165	0.1997		2,712.9695	2,712.9695	0.1897		2,717.7119
Worker	0.7488	0.4693	5.6480	0.0180	1.8812	0.0127	1.8939	0.4990	0.0117	0.5107		1,796.6418	1,796.6418	0.0488		1,797.8617
Total	1.0132	9.5151	7.9583	0.0432	2.5175	0.0300	2.5475	0.6822	0.0283	0.7104		4,509.6113	4,509.6113	0.2385		4,515.5736

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2023**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2038	7.1213	2.1163	0.0245	0.6363	8.3900e-003	0.6447	0.1832	8.0200e-003	0.1912		2,644.3801	2,644.3801	0.1737		2,648.7218
Worker	0.7090	0.4286	5.2466	0.0173	1.8812	0.0125	1.8936	0.4990	0.0115	0.5105		1,727.9587	1,727.9587	0.0447		1,729.0753
Total	0.9128	7.5499	7.3628	0.0418	2.5175	0.0209	2.5384	0.6822	0.0195	0.7017		4,372.3388	4,372.3388	0.2183		4,377.7971

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2023**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2038	7.1213	2.1163	0.0245	0.6363	8.3900e-003	0.6447	0.1832	8.0200e-003	0.1912		2,644.3801	2,644.3801	0.1737		2,648.7218
Worker	0.7090	0.4286	5.2466	0.0173	1.8812	0.0125	1.8936	0.4990	0.0115	0.5105		1,727.9587	1,727.9587	0.0447		1,729.0753
Total	0.9128	7.5499	7.3628	0.0418	2.5175	0.0209	2.5384	0.6822	0.0195	0.7017		4,372.3388	4,372.3388	0.2183		4,377.7971

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2024**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1966	7.0221	2.0503	0.0243	0.6363	8.1900e-003	0.6445	0.1832	7.8200e-003	0.1910		2,627.3718	2,627.3718	0.1717		2,631.6635
Worker	0.6735	0.3931	4.9054	0.0167	1.8812	0.0122	1.8934	0.4990	0.0113	0.5102		1,659.8770	1,659.8770	0.0411		1,660.9035
Total	0.8701	7.4152	6.9556	0.0409	2.5175	0.0204	2.5379	0.6822	0.0191	0.7013		4,287.2488	4,287.2488	0.2127		4,292.5671

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2024**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1966	7.0221	2.0503	0.0243	0.6363	8.1900e-003	0.6445	0.1832	7.8200e-003	0.1910		2,627.3718	2,627.3718	0.1717		2,631.6635
Worker	0.6735	0.3931	4.9054	0.0167	1.8812	0.0122	1.8934	0.4990	0.0113	0.5102		1,659.8770	1,659.8770	0.0411		1,660.9035
Total	0.8701	7.4152	6.9556	0.0409	2.5175	0.0204	2.5379	0.6822	0.0191	0.7013		4,287.2488	4,287.2488	0.2127		4,292.5671

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1909	6.9206	2.0102	0.0241	0.6363	7.9600e-003	0.6443	0.1832	7.6100e-003	0.1908		2,611.207 0	2,611.207 0	0.1700		2,615.456 2
Worker	0.6425	0.3625	4.5821	0.0160	1.8812	0.0120	1.8932	0.4990	0.0111	0.5101		1,592.721 6	1,592.721 6	0.0379		1,593.669 6
Total	0.8334	7.2831	6.5923	0.0401	2.5175	0.0200	2.5375	0.6822	0.0187	0.7009		4,203.928 6	4,203.928 6	0.2079		4,209.125 8

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1909	6.9206	2.0102	0.0241	0.6363	7.9600e-003	0.6443	0.1832	7.6100e-003	0.1908		2,611.207 0	2,611.207 0	0.1700		2,615.456 2
Worker	0.6425	0.3625	4.5821	0.0160	1.8812	0.0120	1.8932	0.4990	0.0111	0.5101		1,592.721 6	1,592.721 6	0.0379		1,593.669 6
Total	0.8334	7.2831	6.5923	0.0401	2.5175	0.0200	2.5375	0.6822	0.0187	0.7009		4,203.928 6	4,203.928 6	0.2079		4,209.125 8

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1860	6.8224	1.9826	0.0239	0.6363	7.7400e-003	0.6441	0.1832	7.4000e-003	0.1906		2,596.079 1	2,596.079 1	0.1683		2,600.287 5
Worker	0.6154	0.3372	4.3094	0.0154	1.8812	0.0117	1.8929	0.4990	0.0107	0.5097		1,534.378 6	1,534.378 6	0.0354		1,535.262 3
Total	0.8014	7.1596	6.2920	0.0393	2.5175	0.0194	2.5369	0.6822	0.0181	0.7003		4,130.457 7	4,130.457 7	0.2037		4,135.549 9

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2026**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1860	6.8224	1.9826	0.0239	0.6363	7.7400e-003	0.6441	0.1832	7.4000e-003	0.1906		2,596.079 1	2,596.079 1	0.1683		2,600.287 5
Worker	0.6154	0.3372	4.3094	0.0154	1.8812	0.0117	1.8929	0.4990	0.0107	0.5097		1,534.378 6	1,534.378 6	0.0354		1,535.262 3
Total	0.8014	7.1596	6.2920	0.0393	2.5175	0.0194	2.5369	0.6822	0.0181	0.7003		4,130.457 7	4,130.457 7	0.2037		4,135.549 9

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1819	6.7284	1.9591	0.0238	0.6363	7.5700e-003	0.6439	0.1832	7.2300e-003	0.1904		2,582.240 6	2,582.240 6	0.1669		2,586.413 9
Worker	0.5883	0.3148	4.0678	0.0149	1.8812	0.0110	1.8922	0.4990	0.0102	0.5091		1,483.005 6	1,483.005 6	0.0331		1,483.833 4
Total	0.7702	7.0432	6.0268	0.0387	2.5175	0.0186	2.5361	0.6822	0.0174	0.6995		4,065.246 2	4,065.246 2	0.2000		4,070.247 3

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2027**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1819	6.7284	1.9591	0.0238	0.6363	7.5700e-003	0.6439	0.1832	7.2300e-003	0.1904		2,582.240 6	2,582.240 6	0.1669		2,586.413 9
Worker	0.5883	0.3148	4.0678	0.0149	1.8812	0.0110	1.8922	0.4990	0.0102	0.5091		1,483.005 6	1,483.005 6	0.0331		1,483.833 4
Total	0.7702	7.0432	6.0268	0.0387	2.5175	0.0186	2.5361	0.6822	0.0174	0.6995		4,065.246 2	4,065.246 2	0.2000		4,070.247 3

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2028**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1787	6.6499	1.9473	0.0237	0.6363	7.4200e-003	0.6438	0.1832	7.0900e-003	0.1903		2,570.640 6	2,570.640 6	0.1657		2,574.781 9
Worker	0.5599	0.2950	3.8575	0.0144	1.8812	0.0102	1.8914	0.4990	9.4100e-003	0.5084		1,437.951 5	1,437.951 5	0.0312		1,438.731 9
Total	0.7386	6.9449	5.8048	0.0381	2.5175	0.0176	2.5352	0.6822	0.0165	0.6987		4,008.592 1	4,008.592 1	0.1969		4,013.513 8

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2028**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1787	6.6499	1.9473	0.0237	0.6363	7.4200e-003	0.6438	0.1832	7.0900e-003	0.1903		2,570.640 6	2,570.640 6	0.1657		2,574.781 9
Worker	0.5599	0.2950	3.8575	0.0144	1.8812	0.0102	1.8914	0.4990	9.4100e-003	0.5084		1,437.951 5	1,437.951 5	0.0312		1,438.731 9
Total	0.7386	6.9449	5.8048	0.0381	2.5175	0.0176	2.5352	0.6822	0.0165	0.6987		4,008.592 1	4,008.592 1	0.1969		4,013.513 8

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1757	6.5691	1.9340	0.0235	0.6363	7.2500e-003	0.6436	0.1832	6.9300e-003	0.1901		2,559.272 5	2,559.272 5	0.1647		2,563.390 9
Worker	0.5292	0.2768	3.6579	0.0140	1.8812	9.4900e-003	1.8907	0.4990	8.7300e-003	0.5077		1,398.368 5	1,398.368 5	0.0295		1,399.105 0
Total	0.7049	6.8459	5.5919	0.0375	2.5175	0.0167	2.5343	0.6822	0.0157	0.6978		3,957.640 9	3,957.640 9	0.1942		3,962.495 9

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2029**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1757	6.5691	1.9340	0.0235	0.6363	7.2500e-003	0.6436	0.1832	6.9300e-003	0.1901		2,559.272 5	2,559.272 5	0.1647		2,563.390 9
Worker	0.5292	0.2768	3.6579	0.0140	1.8812	9.4900e-003	1.8907	0.4990	8.7300e-003	0.5077		1,398.368 5	1,398.368 5	0.0295		1,399.105 0
Total	0.7049	6.8459	5.5919	0.0375	2.5175	0.0167	2.5343	0.6822	0.0157	0.6978		3,957.640 9	3,957.640 9	0.1942		3,962.495 9

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2030**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1733	6.5007	1.9272	0.0234	0.6363	7.1100e-003	0.6434	0.1832	6.7900e-003	0.1900		2,550.0400	2,550.0400	0.1639		2,554.1386
Worker	0.4958	0.2592	3.4686	0.0137	1.8812	8.8200e-003	1.8900	0.4990	8.1100e-003	0.5071		1,363.5876	1,363.5876	0.0278		1,364.2828
Total	0.6691	6.7599	5.3958	0.0371	2.5175	0.0159	2.5334	0.6822	0.0149	0.6971		3,913.6276	3,913.6276	0.1918		3,918.4214

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2030**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1733	6.5007	1.9272	0.0234	0.6363	7.1100e-003	0.6434	0.1832	6.7900e-003	0.1900		2,550.0400	2,550.0400	0.1639		2,554.1386
Worker	0.4958	0.2592	3.4686	0.0137	1.8812	8.8200e-003	1.8900	0.4990	8.1100e-003	0.5071		1,363.5876	1,363.5876	0.0278		1,364.2828
Total	0.6691	6.7599	5.3958	0.0371	2.5175	0.0159	2.5334	0.6822	0.0149	0.6971		3,913.6276	3,913.6276	0.1918		3,918.4214

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2031**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1714	6.4417	1.9214	0.0233	0.6363	6.9900e-003	0.6433	0.1832	6.6800e-003	0.1899		2,542.2845	2,542.2845	0.1632		2,546.3642
Worker	0.4605	0.2428	3.2892	0.0134	1.8812	8.2100e-003	1.8894	0.4990	7.5500e-003	0.5065		1,333.1691	1,333.1691	0.0263		1,333.8270
Total	0.6318	6.6845	5.2105	0.0367	2.5175	0.0152	2.5327	0.6822	0.0142	0.6964		3,875.4535	3,875.4535	0.1895		3,880.1912

San Dieguito 15, M - San Diego County, Summer

3.4 Building Construction - 2031**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1714	6.4417	1.9214	0.0233	0.6363	6.9900e-003	0.6433	0.1832	6.6800e-003	0.1899		2,542.2845	2,542.2845	0.1632		2,546.3642
Worker	0.4605	0.2428	3.2892	0.0134	1.8812	8.2100e-003	1.8894	0.4990	7.5500e-003	0.5065		1,333.1691	1,333.1691	0.0263		1,333.8270
Total	0.6318	6.6845	5.2105	0.0367	2.5175	0.0152	2.5327	0.6822	0.0142	0.6964		3,875.4535	3,875.4535	0.1895		3,880.1912

San Dieguito 15, M - San Diego County, Summer

3.5 Paving - 2031**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0302	0.0159	0.2155	8.8000e-004	0.1232	5.4000e-004	0.1238	0.0327	4.9000e-004	0.0332		87.3255	87.3255	1.7200e-003		87.3686
Total	0.0302	0.0159	0.2155	8.8000e-004	0.1232	5.4000e-004	0.1238	0.0327	4.9000e-004	0.0332		87.3255	87.3255	1.7200e-003		87.3686

San Dieguito 15, M - San Diego County, Summer

3.5 Paving - 2031**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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0302	0.0159	0.2155	8.8000e-004	0.1232	5.4000e-004	0.1238	0.0327	4.9000e-004	0.0332		87.3255	87.3255	1.7200e-003		87.3686
Total	0.0302	0.0159	0.2155	8.8000e-004	0.1232	5.4000e-004	0.1238	0.0327	4.9000e-004	0.0332		87.3255	87.3255	1.7200e-003		87.3686

San Dieguito 15, M - San Diego County, Summer

3.5 Paving - 2032**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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0281	0.0150	0.2053	8.6000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		85.5966	85.5966	1.6400e-003		85.6377
Total	0.0281	0.0150	0.2053	8.6000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		85.5966	85.5966	1.6400e-003		85.6377

San Dieguito 15, M - San Diego County, Summer

3.5 Paving - 2032**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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0281	0.0150	0.2053	8.6000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		85.5966	85.5966	1.6400e-003		85.6377
Total	0.0281	0.0150	0.2053	8.6000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		85.5966	85.5966	1.6400e-003		85.6377

San Dieguito 15, M - San Diego County, Summer

3.6 Architectural Coating - 2032**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	23.3804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	23.5112	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

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	0.0862	0.0460	0.6297	2.6300e-003	0.3779	1.5400e-003	0.3794	0.1002	1.4100e-003	0.1016		262.4962	262.4962	5.0400e-003		262.6222
Total	0.0862	0.0460	0.6297	2.6300e-003	0.3779	1.5400e-003	0.3794	0.1002	1.4100e-003	0.1016		262.4962	262.4962	5.0400e-003		262.6222

San Dieguito 15, M - San Diego County, Summer

3.6 Architectural Coating - 2032**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	23.3804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	23.5112	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

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	0.0862	0.0460	0.6297	2.6300e-003	0.3779	1.5400e-003	0.3794	0.1002	1.4100e-003	0.1016		262.4962	262.4962	5.0400e-003		262.6222
Total	0.0862	0.0460	0.6297	2.6300e-003	0.3779	1.5400e-003	0.3794	0.1002	1.4100e-003	0.1016		262.4962	262.4962	5.0400e-003		262.6222

San Dieguito 15, M - San Diego County, Summer

3.6 Architectural Coating - 2033**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	23.3804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	23.5112	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

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	0.0807	0.0437	0.6029	2.5800e-003	0.3779	1.4300e-003	0.3793	0.1002	1.3200e-003	0.1016		257.9306	257.9306	4.8300e-003		258.0514
Total	0.0807	0.0437	0.6029	2.5800e-003	0.3779	1.4300e-003	0.3793	0.1002	1.3200e-003	0.1016		257.9306	257.9306	4.8300e-003		258.0514

San Dieguito 15, M - San Diego County, Summer

3.6 Architectural Coating - 2033**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	23.3804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	23.5112	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

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	0.0807	0.0437	0.6029	2.5800e-003	0.3779	1.4300e-003	0.3793	0.1002	1.3200e-003	0.1016		257.9306	257.9306	4.8300e-003		258.0514
Total	0.0807	0.0437	0.6029	2.5800e-003	0.3779	1.4300e-003	0.3793	0.1002	1.3200e-003	0.1016		257.9306	257.9306	4.8300e-003		258.0514

4.0 Operational Detail - Mobile

San Dieguito 15, M - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.6607	30.6603	69.9570	0.3402	40.1382	0.1195	40.2577	10.7275	0.1113	10.8388		35,070.3074	35,070.3074	1.5829		35,109.8793
Unmitigated	5.6607	30.6603	69.9570	0.3402	40.1382	0.1195	40.2577	10.7275	0.1113	10.8388		35,070.3074	35,070.3074	1.5829		35,109.8793

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	4,172.87	930.67	397.24	7,576,285	7,576,285
Single Family Housing	3,010.00	3,133.41	2724.05	8,528,163	8,528,163
Total	7,182.87	4,064.08	3,121.29	16,104,448	16,104,448

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
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

San Dieguito 15, M - San Diego County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668
Single Family Housing	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519
NaturalGas Unmitigated	0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519

San Dieguito 15, M - San Diego County, Summer

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					
General Office Building	21009.7	0.2266	2.0598	1.7302	0.0124		0.1565	0.1565		0.1565	0.1565		2,471.7313	2,471.7313	0.0474	0.0453	2,486.4196
Single Family Housing	23496.6	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.3054	2,764.3054	0.0530	0.0507	2,780.7323
Total		0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	21.0097	0.2266	2.0598	1.7302	0.0124		0.1565	0.1565		0.1565	0.1565		2,471.7313	2,471.7313	0.0474	0.0453	2,486.4196
Single Family Housing	23.4966	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.3054	2,764.3054	0.0530	0.0507	2,780.7323
Total		0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519

6.0 Area Detail**6.1 Mitigation Measures Area**

San Dieguito 15, M - San Diego 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	22.4271	5.2788	26.8869	0.0332		0.5415	0.5415		0.5415	0.5415	0.0000	6,418.914 7	6,418.914 7	0.1649	0.1169	6,457.862 2
Unmitigated	22.4271	5.2788	26.8869	0.0332		0.5415	0.5415		0.5415	0.5415	0.0000	6,418.914 7	6,418.914 7	0.1649	0.1169	6,457.862 2

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	1.4092					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.6906					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5843	4.9931	2.1247	0.0319		0.4037	0.4037		0.4037	0.4037	0.0000	6,374.117 7	6,374.117 7	0.1222	0.1169	6,411.995 8
Landscaping	0.7430	0.2857	24.7622	1.3100e-003		0.1379	0.1379		0.1379	0.1379		44.7970	44.7970	0.0428		45.8664
Total	22.4271	5.2788	26.8869	0.0332		0.5415	0.5415		0.5415	0.5415	0.0000	6,418.914 7	6,418.914 7	0.1649	0.1169	6,457.862 2

San Dieguito 15, M - San Diego 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	1.4092					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.6906					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5843	4.9931	2.1247	0.0319		0.4037	0.4037		0.4037	0.4037	0.0000	6,374.117 7	6,374.117 7	0.1222	0.1169	6,411.995 8
Landscaping	0.7430	0.2857	24.7622	1.3100e-003		0.1379	0.1379		0.1379	0.1379		44.7970	44.7970	0.0428		45.8664
Total	22.4271	5.2788	26.8869	0.0332		0.5415	0.5415		0.5415	0.5415	0.0000	6,418.914 7	6,418.914 7	0.1649	0.1169	6,457.862 2

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

San Dieguito 15, M - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

San Dieguito 15, UM - San Diego County, Winter

San Dieguito 15, UM
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	378.32	1000sqft	8.69	378,320.00	0
Single Family Housing	301.00	Dwelling Unit	97.73	541,800.00	861

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

San Dieguito 15, UM - San Diego County, Winter

Project Characteristics -

Land Use -

Construction Phase -

Off-road Equipment -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG SFR Weekday rate.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

San Dieguito 15, UM - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/26/2025	3/18/2033
tblConstructionPhase	PhaseEndDate	2/21/2025	7/11/2031
tblConstructionPhase	PhaseEndDate	3/15/2019	8/23/2019
tblConstructionPhase	PhaseEndDate	7/25/2025	5/14/2032
tblConstructionPhase	PhaseEndDate	8/10/2018	6/15/2018
tblConstructionPhase	PhaseStartDate	7/26/2025	5/15/2032
tblConstructionPhase	PhaseStartDate	3/16/2019	8/24/2019
tblConstructionPhase	PhaseStartDate	8/11/2018	6/16/2018
tblConstructionPhase	PhaseStartDate	2/22/2025	7/12/2031
tblConstructionPhase	PhaseStartDate	5/19/2018	1/1/2018
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

San Dieguito 15, UM - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

San Dieguito 15, UM - San Diego 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
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.893 9	6,412.893 9	1.9498	0.0000	6,461.639 2
2019	4.8277	54.5817	33.9616	0.0710	8.8376	2.3838	11.2215	3.6401	2.1931	5.8332	0.0000	7,174.215 0	7,174.215 0	1.9479	0.0000	7,197.220 8
2020	3.4395	30.4125	25.9652	0.0702	2.5175	1.1831	3.7006	0.6822	1.1130	1.7952	0.0000	7,057.500 1	7,057.500 1	0.8941	0.0000	7,079.852 1
2021	3.0988	27.5562	25.0008	0.0693	2.5175	0.9925	3.5101	0.6822	0.9333	1.6154	0.0000	6,972.079 3	6,972.079 3	0.8742	0.0000	6,993.933 1
2022	2.8362	25.1575	24.2330	0.0684	2.5175	0.8398	3.3573	0.6822	0.7901	1.4723	0.0000	6,883.341 8	6,883.341 8	0.8592	0.0000	6,904.821 7
2023	2.5962	21.9552	23.4775	0.0671	2.5175	0.7211	3.2386	0.6822	0.6784	1.3605	0.0000	6,753.688 9	6,753.688 9	0.8331	0.0000	6,774.515 8
2024	2.4491	20.8755	23.0001	0.0663	2.5175	0.6341	3.1517	0.6822	0.5964	1.2785	0.0000	6,674.225 9	6,674.225 9	0.8238	0.0000	6,694.819 6
2025	2.3053	19.7658	22.5653	0.0655	2.5175	0.5479	3.0654	0.6822	0.5153	1.1975	0.0000	6,596.687 7	6,596.687 7	0.8153	0.0000	6,617.069 2
2026	2.2710	19.6394	22.2739	0.0648	2.5175	0.5473	3.0648	0.6822	0.5147	1.1969	0.0000	6,527.606 9	6,527.606 9	0.8108	0.0000	6,547.877 1
2027	2.2371	19.5201	22.0171	0.0641	2.5175	0.5464	3.0640	0.6822	0.5139	1.1961	0.0000	6,466.174 0	6,466.174 0	0.8070	0.0000	6,486.347 9
2028	2.2020	19.4197	21.8031	0.0636	2.5175	0.5455	3.0630	0.6822	0.5130	1.1952	0.0000	6,412.855 1	6,412.855 1	0.8036	0.0000	6,432.944 3
2029	2.1642	19.3186	21.5972	0.0631	2.5175	0.5445	3.0620	0.6822	0.5121	1.1943	0.0000	6,364.885 0	6,364.885 0	0.8007	0.0000	6,384.903 2
2030	2.0653	14.6956	21.4804	0.0666	2.5175	0.1643	2.6818	0.6822	0.1632	0.8454	0.0000	6,664.446 8	6,664.446 8	0.3134	0.0000	6,672.282 7
2031	2.0227	14.6184	21.3016	0.0663	2.5175	0.3312	2.6810	0.6822	0.3311	0.8447	0.0000	6,628.419 8	6,628.419 8	0.3111	0.0000	6,636.196 7
2032	23.6110	7.1370	16.0396	0.0289	0.3779	0.3311	0.4544	0.1002	0.3311	0.3638	0.0000	2,736.853 8	2,736.853 8	0.1261	0.0000	2,740.005 6
2033	23.6047	0.9052	2.3550	5.3900e-003	0.3779	0.0217	0.3996	0.1002	0.0216	0.1219	0.0000	523.5127	523.5127	0.0159	0.0000	523.9102
Maximum	23.6110	59.5906	35.7388	0.0710	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	7,174.215 0	7,174.215 0	1.9498	0.0000	7,197.220 8

San Dieguito 15, UM - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

San Dieguito 15, UM - San Diego 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
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.893 9	6,412.893 9	1.9498	0.0000	6,461.639 2
2019	4.8277	54.5817	33.9616	0.0710	8.8376	2.3838	11.2215	3.6401	2.1931	5.8332	0.0000	7,174.215 0	7,174.215 0	1.9479	0.0000	7,197.220 8
2020	3.4395	30.4125	25.9652	0.0702	2.5175	1.1831	3.7006	0.6822	1.1130	1.7952	0.0000	7,057.500 1	7,057.500 1	0.8941	0.0000	7,079.852 0
2021	3.0988	27.5562	25.0008	0.0693	2.5175	0.9925	3.5101	0.6822	0.9333	1.6154	0.0000	6,972.079 3	6,972.079 3	0.8742	0.0000	6,993.933 1
2022	2.8362	25.1575	24.2330	0.0684	2.5175	0.8398	3.3573	0.6822	0.7901	1.4723	0.0000	6,883.341 8	6,883.341 8	0.8592	0.0000	6,904.821 7
2023	2.5962	21.9552	23.4775	0.0671	2.5175	0.7211	3.2386	0.6822	0.6784	1.3605	0.0000	6,753.688 9	6,753.688 9	0.8331	0.0000	6,774.515 8
2024	2.4491	20.8755	23.0001	0.0663	2.5175	0.6341	3.1517	0.6822	0.5964	1.2785	0.0000	6,674.225 9	6,674.225 9	0.8238	0.0000	6,694.819 6
2025	2.3053	19.7658	22.5653	0.0655	2.5175	0.5479	3.0654	0.6822	0.5153	1.1975	0.0000	6,596.687 7	6,596.687 7	0.8153	0.0000	6,617.069 2
2026	2.2710	19.6394	22.2739	0.0648	2.5175	0.5473	3.0648	0.6822	0.5147	1.1969	0.0000	6,527.606 9	6,527.606 9	0.8108	0.0000	6,547.877 1
2027	2.2371	19.5201	22.0171	0.0641	2.5175	0.5464	3.0640	0.6822	0.5139	1.1961	0.0000	6,466.174 0	6,466.174 0	0.8070	0.0000	6,486.347 9
2028	2.2020	19.4197	21.8031	0.0636	2.5175	0.5455	3.0630	0.6822	0.5130	1.1952	0.0000	6,412.855 1	6,412.855 1	0.8036	0.0000	6,432.944 3
2029	2.1642	19.3186	21.5972	0.0631	2.5175	0.5445	3.0620	0.6822	0.5121	1.1943	0.0000	6,364.885 0	6,364.885 0	0.8007	0.0000	6,384.903 2
2030	2.0653	14.6956	21.4804	0.0666	2.5175	0.1643	2.6818	0.6822	0.1632	0.8454	0.0000	6,664.446 8	6,664.446 8	0.3134	0.0000	6,672.282 7
2031	2.0227	14.6184	21.3016	0.0663	2.5175	0.3312	2.6810	0.6822	0.3311	0.8447	0.0000	6,628.419 8	6,628.419 8	0.3111	0.0000	6,636.196 7
2032	23.6110	7.1370	16.0396	0.0289	0.3779	0.3311	0.4544	0.1002	0.3311	0.3638	0.0000	2,736.853 8	2,736.853 8	0.1261	0.0000	2,740.005 6
2033	23.6047	0.9052	2.3550	5.3900e-003	0.3779	0.0217	0.3996	0.1002	0.0216	0.1219	0.0000	523.5127	523.5127	0.0159	0.0000	523.9102
Maximum	23.6110	59.5906	35.7388	0.0710	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	7,174.215 0	7,174.215 0	1.9498	0.0000	7,197.220 8

San Dieguito 15, UM - San Diego County, Winter

[illegible]

San Dieguito 15, UM - San Diego 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	482.4917	9.2817	593.3832	1.0315		79.8639	79.8639		79.8639	79.8639	8,359.2910	3,550.5617	11,909.8527	7.7570	0.6575	12,299.7194
Energy	0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519
Mobile	5.5346	31.0007	68.5731	0.3235	40.1382	0.1197	40.2580	10.7275	0.1115	10.8391		33,378.4781	33,378.4781	1.5978		33,418.4228
Total	488.5062	44.5075	664.6079	1.3812	40.1382	80.3153	120.4535	10.7275	80.3071	91.0346	8,359.2910	42,165.0766	50,524.3675	9.4552	0.7535	50,985.2940

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	482.4917	9.2817	593.3832	1.0315		79.8639	79.8639		79.8639	79.8639	8,359.2910	3,550.5617	11,909.8527	7.7570	0.6575	12,299.7194
Energy	0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519
Mobile	5.5346	31.0007	68.5731	0.3235	40.1382	0.1197	40.2580	10.7275	0.1115	10.8391		33,378.4781	33,378.4781	1.5978		33,418.4228
Total	488.5062	44.5075	664.6079	1.3812	40.1382	80.3153	120.4535	10.7275	80.3071	91.0346	8,359.2910	42,165.0766	50,524.3675	9.4552	0.7535	50,985.2940

San Dieguito 15, UM - San Diego 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	Site Preparation	Site Preparation	1/1/2018	6/15/2018	5	120	
2	Grading	Grading	6/16/2018	8/23/2019	5	310	
3	Building Construction	Building Construction	8/24/2019	7/11/2031	5	3100	
4	Paving	Paving	7/12/2031	5/14/2032	5	220	
5	Architectural Coating	Architectural Coating	5/15/2032	3/18/2033	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 0

Residential Indoor: 1,097,145; Residential Outdoor: 365,715; Non-Residential Indoor: 567,480; Non-Residential Outdoor: 189,160; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

San Dieguito 15, UM - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	46.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	229.00	94.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

San Dieguito 15, UM - San Diego County, Winter

3.2 Site Preparation - 2018**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

San Dieguito 15, UM - San Diego County, Winter

3.2 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

San Dieguito 15, UM - San Diego County, Winter

3.3 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

San Dieguito 15, UM - San Diego County, Winter

3.3 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

San Dieguito 15, UM - San Diego County, Winter

3.3 Grading - 2019**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0888	0.0616	0.5848	1.6400e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		163.3828	163.3828	5.2700e-003		163.5146
Total	0.0888	0.0616	0.5848	1.6400e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		163.3828	163.3828	5.2700e-003		163.5146

San Dieguito 15, UM - San Diego County, Winter

3.3 Grading - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.019 5	6,140.019 5	1.9426		6,188.585 4
Total	4.7389	54.5202	33.3768	0.0620	8.6733	2.3827	11.0560	3.5965	2.1920	5.7885	0.0000	6,140.019 5	6,140.019 5	1.9426		6,188.585 4

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	0.0888	0.0616	0.5848	1.6400e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		163.3828	163.3828	5.2700e-003		163.5146
Total	0.0888	0.0616	0.5848	1.6400e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		163.3828	163.3828	5.2700e-003		163.5146

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4513	11.6643	3.3361	0.0253	0.6364	0.0825	0.7189	0.1832	0.0789	0.2621		2,711.902 4	2,711.902 4	0.2285		2,717.615 8
Worker	1.0169	0.7047	6.6958	0.0188	1.8812	0.0134	1.8946	0.4990	0.0124	0.5113		1,870.732 5	1,870.732 5	0.0604		1,872.241 6
Total	1.4682	12.3690	10.0319	0.0441	2.5175	0.0959	2.6135	0.6822	0.0913	0.7735		4,582.634 9	4,582.634 9	0.2889		4,589.857 4

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4513	11.6643	3.3361	0.0253	0.6364	0.0825	0.7189	0.1832	0.0789	0.2621		2,711.902 4	2,711.902 4	0.2285		2,717.615 8
Worker	1.0169	0.7047	6.6958	0.0188	1.8812	0.0134	1.8946	0.4990	0.0124	0.5113		1,870.732 5	1,870.732 5	0.0604		1,872.241 6
Total	1.4682	12.3690	10.0319	0.0441	2.5175	0.0959	2.6135	0.6822	0.0913	0.7735		4,582.634 9	4,582.634 9	0.2889		4,589.857 4

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2020**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3679	10.5907	2.9967	0.0251	0.6363	0.0528	0.6892	0.1832	0.0506	0.2337		2,692.744 8	2,692.744 8	0.2167		2,698.161 8
Worker	0.9517	0.6357	6.1200	0.0182	1.8812	0.0132	1.8944	0.4990	0.0122	0.5111		1,811.692 2	1,811.692 2	0.0546		1,813.055 8
Total	1.3196	11.2264	9.1167	0.0433	2.5175	0.0660	2.5836	0.6822	0.0627	0.7449		4,504.437 0	4,504.437 0	0.2712		4,511.217 6

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2020**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	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3679	10.5907	2.9967	0.0251	0.6363	0.0528	0.6892	0.1832	0.0506	0.2337		2,692.744 8	2,692.744 8	0.2167		2,698.161 8
Worker	0.9517	0.6357	6.1200	0.0182	1.8812	0.0132	1.8944	0.4990	0.0122	0.5111		1,811.692 2	1,811.692 2	0.0546		1,813.055 8
Total	1.3196	11.2264	9.1167	0.0433	2.5175	0.0660	2.5836	0.6822	0.0627	0.7449		4,504.437 0	4,504.437 0	0.2712		4,511.217 6

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3.4 Building Construction - 2021**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2996	9.5465	2.7161	0.0248	0.6363	0.0209	0.6573	0.1832	0.0200	0.2032		2,667.9014	2,667.9014	0.2078		2,673.0974
Worker	0.8982	0.5776	5.7095	0.0176	1.8812	0.0130	1.8942	0.4990	0.0120	0.5110		1,750.8139	1,750.8139	0.0503		1,752.0715
Total	1.1979	10.1241	8.4256	0.0424	2.5175	0.0339	2.5514	0.6822	0.0320	0.7141		4,418.7154	4,418.7154	0.2581		4,425.1688

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3.4 Building Construction - 2021**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2996	9.5465	2.7161	0.0248	0.6363	0.0209	0.6573	0.1832	0.0200	0.2032		2,667.901 4	2,667.901 4	0.2078		2,673.097 4
Worker	0.8982	0.5776	5.7095	0.0176	1.8812	0.0130	1.8942	0.4990	0.0120	0.5110		1,750.813 9	1,750.813 9	0.0503		1,752.071 5
Total	1.1979	10.1241	8.4256	0.0424	2.5175	0.0339	2.5514	0.6822	0.0320	0.7141		4,418.715 4	4,418.715 4	0.2581		4,425.168 8

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3.4 Building Construction - 2022**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2787	9.0153	2.5717	0.0245	0.6363	0.0180	0.6544	0.1832	0.0172	0.2004		2,642.3646	2,642.3646	0.2012		2,647.3946
Worker	0.8512	0.5266	5.2979	0.0169	1.8812	0.0127	1.8939	0.4990	0.0117	0.5107		1,686.6436	1,686.6436	0.0461		1,687.7949
Total	1.1299	9.5419	7.8696	0.0415	2.5175	0.0307	2.5483	0.6822	0.0290	0.7111		4,329.0082	4,329.0082	0.2473		4,335.1895

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2022**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2787	9.0153	2.5717	0.0245	0.6363	0.0180	0.6544	0.1832	0.0172	0.2004		2,642.3646	2,642.3646	0.2012		2,647.3946
Worker	0.8512	0.5266	5.2979	0.0169	1.8812	0.0127	1.8939	0.4990	0.0117	0.5107		1,686.6436	1,686.6436	0.0461		1,687.7949
Total	1.1299	9.5419	7.8696	0.0415	2.5175	0.0307	2.5483	0.6822	0.0290	0.7111		4,329.0082	4,329.0082	0.2473		4,335.1895

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2023**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2152	7.0896	2.3229	0.0239	0.6363	8.8600e-003	0.6452	0.1832	8.4700e-003	0.1917		2,576.2517	2,576.2517	0.1831		2,580.8302
Worker	0.8083	0.4808	4.9106	0.0163	1.8812	0.0125	1.8936	0.4990	0.0115	0.5105		1,622.2273	1,622.2273	0.0421		1,623.2796
Total	1.0234	7.5704	7.2335	0.0401	2.5175	0.0213	2.5388	0.6822	0.0199	0.7021		4,198.4790	4,198.4790	0.2252		4,204.1098

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2023**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2152	7.0896	2.3229	0.0239	0.6363	8.8600e-003	0.6452	0.1832	8.4700e-003	0.1917		2,576.2517	2,576.2517	0.1831		2,580.8302
Worker	0.8083	0.4808	4.9106	0.0163	1.8812	0.0125	1.8936	0.4990	0.0115	0.5105		1,622.2273	1,622.2273	0.0421		1,623.2796
Total	1.0234	7.5704	7.2335	0.0401	2.5175	0.0213	2.5388	0.6822	0.0199	0.7021		4,198.4790	4,198.4790	0.2252		4,204.1098

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2024**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2074	6.9908	2.2491	0.0237	0.6363	8.6000e-003	0.6449	0.1832	8.2200e-003	0.1914		2,560.1546	2,560.1546	0.1808		2,564.6734
Worker	0.7701	0.4409	4.5842	0.0156	1.8812	0.0122	1.8934	0.4990	0.0113	0.5102		1,558.3723	1,558.3723	0.0387		1,559.3385
Total	0.9775	7.4317	6.8332	0.0393	2.5175	0.0208	2.5384	0.6822	0.0195	0.7016		4,118.5270	4,118.5270	0.2194		4,124.0119

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2024**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2074	6.9908	2.2491	0.0237	0.6363	8.6000e-003	0.6449	0.1832	8.2200e-003	0.1914		2,560.1546	2,560.1546	0.1808		2,564.6734
Worker	0.7701	0.4409	4.5842	0.0156	1.8812	0.0122	1.8934	0.4990	0.0113	0.5102		1,558.3723	1,558.3723	0.0387		1,559.3385
Total	0.9775	7.4317	6.8332	0.0393	2.5175	0.0208	2.5384	0.6822	0.0195	0.7016		4,118.5270	4,118.5270	0.2194		4,124.0119

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.2012	6.8896	2.2031	0.0235	0.6363	8.3200e-003	0.6447	0.1832	7.9500e-003	0.1911		2,544.830 8	2,544.830 8	0.1787		2,549.297 1
Worker	0.7367	0.4065	4.2775	0.0150	1.8812	0.0120	1.8932	0.4990	0.0111	0.5101		1,495.382 6	1,495.382 6	0.0357		1,496.274 0
Total	0.9379	7.2961	6.4806	0.0385	2.5175	0.0204	2.5379	0.6822	0.0190	0.7012		4,040.213 3	4,040.213 3	0.2143		4,045.571 1

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2012	6.8896	2.2031	0.0235	0.6363	8.3200e-003	0.6447	0.1832	7.9500e-003	0.1911		2,544.830 8	2,544.830 8	0.1787		2,549.297 1
Worker	0.7367	0.4065	4.2775	0.0150	1.8812	0.0120	1.8932	0.4990	0.0111	0.5101		1,495.382 6	1,495.382 6	0.0357		1,496.274 0
Total	0.9379	7.2961	6.4806	0.0385	2.5175	0.0204	2.5379	0.6822	0.0190	0.7012		4,040.213 3	4,040.213 3	0.2143		4,045.571 1

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1960	6.7916	2.1707	0.0234	0.6363	8.0500e-003	0.6444	0.1832	7.7000e-003	0.1909		2,530.512 5	2,530.512 5	0.1767		2,534.928 8
Worker	0.7076	0.3781	4.0186	0.0144	1.8812	0.0117	1.8929	0.4990	0.0107	0.5097		1,440.620 0	1,440.620 0	0.0332		1,441.450 3
Total	0.9036	7.1697	6.1893	0.0378	2.5175	0.0197	2.5372	0.6822	0.0184	0.7006		3,971.132 5	3,971.132 5	0.2099		3,976.379 1

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2026**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1960	6.7916	2.1707	0.0234	0.6363	8.0500e-003	0.6444	0.1832	7.7000e-003	0.1909		2,530.512 5	2,530.512 5	0.1767		2,534.928 8
Worker	0.7076	0.3781	4.0186	0.0144	1.8812	0.0117	1.8929	0.4990	0.0107	0.5097		1,440.620 0	1,440.620 0	0.0332		1,441.450 3
Total	0.9036	7.1697	6.1893	0.0378	2.5175	0.0197	2.5372	0.6822	0.0184	0.7006		3,971.132 5	3,971.132 5	0.2099		3,976.379 1

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1916	6.6975	2.1433	0.0232	0.6363	7.8400e-003	0.6442	0.1832	7.5000e-003	0.1907		2,517.344 1	2,517.344 1	0.1749		2,521.717 3
Worker	0.6781	0.3529	3.7892	0.0140	1.8812	0.0110	1.8922	0.4990	0.0102	0.5091		1,392.355 6	1,392.355 6	0.0311		1,393.132 6
Total	0.8697	7.0504	5.9325	0.0372	2.5175	0.0189	2.5364	0.6822	0.0177	0.6998		3,909.699 7	3,909.699 7	0.2060		3,914.849 8

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2027**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1916	6.6975	2.1433	0.0232	0.6363	7.8400e-003	0.6442	0.1832	7.5000e-003	0.1907		2,517.344 1	2,517.344 1	0.1749		2,521.717 3
Worker	0.6781	0.3529	3.7892	0.0140	1.8812	0.0110	1.8922	0.4990	0.0102	0.5091		1,392.355 6	1,392.355 6	0.0311		1,393.132 6
Total	0.8697	7.0504	5.9325	0.0372	2.5175	0.0189	2.5364	0.6822	0.0177	0.6998		3,909.699 7	3,909.699 7	0.2060		3,914.849 8

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2028**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1882	6.6194	2.1287	0.0231	0.6363	7.6700e-003	0.6440	0.1832	7.3300e-003	0.1905		2,506.379 9	2,506.379 9	0.1733		2,510.713 4
Worker	0.6464	0.3306	3.5898	0.0135	1.8812	0.0102	1.8914	0.4990	9.4100e-003	0.5084		1,350.000 8	1,350.000 8	0.0293		1,350.732 8
Total	0.8346	6.9500	5.7184	0.0366	2.5175	0.0179	2.5354	0.6822	0.0167	0.6989		3,856.380 7	3,856.380 7	0.2026		3,861.446 2

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2028**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1882	6.6194	2.1287	0.0231	0.6363	7.6700e-003	0.6440	0.1832	7.3300e-003	0.1905		2,506.379 9	2,506.379 9	0.1733		2,510.713 4
Worker	0.6464	0.3306	3.5898	0.0135	1.8812	0.0102	1.8914	0.4990	9.4100e-003	0.5084		1,350.000 8	1,350.000 8	0.0293		1,350.732 8
Total	0.8346	6.9500	5.7184	0.0366	2.5175	0.0179	2.5354	0.6822	0.0167	0.6989		3,856.380 7	3,856.380 7	0.2026		3,861.446 2

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1849	6.5389	2.1124	0.0230	0.6363	7.4600e-003	0.6438	0.1832	7.1300e-003	0.1903		2,495.650 4	2,495.650 4	0.1722		2,499.954 6
Worker	0.6119	0.3101	3.4001	0.0132	1.8812	9.4900e-003	1.8907	0.4990	8.7300e-003	0.5077		1,312.760 3	1,312.760 3	0.0276		1,313.450 6
Total	0.7968	6.8489	5.5125	0.0361	2.5175	0.0170	2.5345	0.6822	0.0159	0.6980		3,808.410 6	3,808.410 6	0.1998		3,813.405 1

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2029**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1849	6.5389	2.1124	0.0230	0.6363	7.4600e-003	0.6438	0.1832	7.1300e-003	0.1903		2,495.650 4	2,495.650 4	0.1722		2,499.954 6
Worker	0.6119	0.3101	3.4001	0.0132	1.8812	9.4900e-003	1.8907	0.4990	8.7300e-003	0.5077		1,312.760 3	1,312.760 3	0.0276		1,313.450 6
Total	0.7968	6.8489	5.5125	0.0361	2.5175	0.0170	2.5345	0.6822	0.0159	0.6980		3,808.410 6	3,808.410 6	0.1998		3,813.405 1

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2030**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1824	6.4708	2.1036	0.0229	0.6363	7.3000e-003	0.6436	0.1832	6.9700e-003	0.1902		2,486.8877	2,486.8877	0.1712		2,491.1665
Worker	0.5738	0.2902	3.2198	0.0128	1.8812	8.8200e-003	1.8900	0.4990	8.1100e-003	0.5071		1,280.0123	1,280.0123	0.0260		1,280.6633
Total	0.7562	6.7610	5.3234	0.0357	2.5175	0.0161	2.5336	0.6822	0.0151	0.6972		3,766.9000	3,766.9000	0.1972		3,771.8298

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2030**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1824	6.4708	2.1036	0.0229	0.6363	7.3000e-003	0.6436	0.1832	6.9700e-003	0.1902		2,486.8877	2,486.8877	0.1712		2,491.1665
Worker	0.5738	0.2902	3.2198	0.0128	1.8812	8.8200e-003	1.8900	0.4990	8.1100e-003	0.5071		1,280.0123	1,280.0123	0.0260		1,280.6633
Total	0.7562	6.7610	5.3234	0.0357	2.5175	0.0161	2.5336	0.6822	0.0151	0.6972		3,766.9000	3,766.9000	0.1972		3,771.8298

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2031**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1803	6.4121	2.0960	0.0228	0.6363	7.1600e-003	0.6435	0.1832	6.8400e-003	0.1900		2,479.5209	2,479.5209	0.1702		2,483.7763
Worker	0.5332	0.2718	3.0486	0.0125	1.8812	8.2100e-003	1.8894	0.4990	7.5500e-003	0.5065		1,251.3521	1,251.3521	0.0246		1,251.9676
Total	0.7135	6.6838	5.1446	0.0353	2.5175	0.0154	2.5329	0.6822	0.0144	0.6965		3,730.8730	3,730.8730	0.1948		3,735.7439

San Dieguito 15, UM - San Diego County, Winter

3.4 Building Construction - 2031**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1803	6.4121	2.0960	0.0228	0.6363	7.1600e-003	0.6435	0.1832	6.8400e-003	0.1900		2,479.5209	2,479.5209	0.1702		2,483.7763
Worker	0.5332	0.2718	3.0486	0.0125	1.8812	8.2100e-003	1.8894	0.4990	7.5500e-003	0.5065		1,251.3521	1,251.3521	0.0246		1,251.9676
Total	0.7135	6.6838	5.1446	0.0353	2.5175	0.0154	2.5329	0.6822	0.0144	0.6965		3,730.8730	3,730.8730	0.1948		3,735.7439

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3.5 Paving - 2031**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0349	0.0178	0.1997	8.2000e-004	0.1232	5.4000e-004	0.1238	0.0327	4.9000e-004	0.0332		81.9663	81.9663	1.6100e-003		82.0066
Total	0.0349	0.0178	0.1997	8.2000e-004	0.1232	5.4000e-004	0.1238	0.0327	4.9000e-004	0.0332		81.9663	81.9663	1.6100e-003		82.0066

San Dieguito 15, UM - San Diego County, Winter

3.5 Paving - 2031**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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0349	0.0178	0.1997	8.2000e-004	0.1232	5.4000e-004	0.1238	0.0327	4.9000e-004	0.0332		81.9663	81.9663	1.6100e-003		82.0066
Total	0.0349	0.0178	0.1997	8.2000e-004	0.1232	5.4000e-004	0.1238	0.0327	4.9000e-004	0.0332		81.9663	81.9663	1.6100e-003		82.0066

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3.5 Paving - 2032**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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0326	0.0168	0.1900	8.0000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		80.3371	80.3371	1.5400e-003		80.3755
Total	0.0326	0.0168	0.1900	8.0000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		80.3371	80.3371	1.5400e-003		80.3755

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3.5 Paving - 2032**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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0326	0.0168	0.1900	8.0000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		80.3371	80.3371	1.5400e-003		80.3755
Total	0.0326	0.0168	0.1900	8.0000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		80.3371	80.3371	1.5400e-003		80.3755

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3.6 Architectural Coating - 2032**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	23.3804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	23.5112	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

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	0.0999	0.0515	0.5828	2.4700e-003	0.3779	1.5400e-003	0.3794	0.1002	1.4100e-003	0.1016		246.3670	246.3670	4.7100e-003		246.4848
Total	0.0999	0.0515	0.5828	2.4700e-003	0.3779	1.5400e-003	0.3794	0.1002	1.4100e-003	0.1016		246.3670	246.3670	4.7100e-003		246.4848

San Dieguito 15, UM - San Diego County, Winter

3.6 Architectural Coating - 2032**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	23.3804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	23.5112	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

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	0.0999	0.0515	0.5828	2.4700e-003	0.3779	1.5400e-003	0.3794	0.1002	1.4100e-003	0.1016		246.3670	246.3670	4.7100e-003		246.4848
Total	0.0999	0.0515	0.5828	2.4700e-003	0.3779	1.5400e-003	0.3794	0.1002	1.4100e-003	0.1016		246.3670	246.3670	4.7100e-003		246.4848

San Dieguito 15, UM - San Diego County, Winter

3.6 Architectural Coating - 2033**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	23.3804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	23.5112	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

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	0.0936	0.0489	0.5572	2.4200e-003	0.3779	1.4300e-003	0.3793	0.1002	1.3200e-003	0.1016		242.0646	242.0646	4.5100e-003		242.1774
Total	0.0936	0.0489	0.5572	2.4200e-003	0.3779	1.4300e-003	0.3793	0.1002	1.3200e-003	0.1016		242.0646	242.0646	4.5100e-003		242.1774

San Dieguito 15, UM - San Diego County, Winter

3.6 Architectural Coating - 2033**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	23.3804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	23.5112	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

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	0.0936	0.0489	0.5572	2.4200e-003	0.3779	1.4300e-003	0.3793	0.1002	1.3200e-003	0.1016		242.0646	242.0646	4.5100e-003		242.1774
Total	0.0936	0.0489	0.5572	2.4200e-003	0.3779	1.4300e-003	0.3793	0.1002	1.3200e-003	0.1016		242.0646	242.0646	4.5100e-003		242.1774

4.0 Operational Detail - Mobile

San Dieguito 15, UM - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.5346	31.0007	68.5731	0.3235	40.1382	0.1197	40.2580	10.7275	0.1115	10.8391		33,378.47 81	33,378.47 81	1.5978		33,418.42 28
Unmitigated	5.5346	31.0007	68.5731	0.3235	40.1382	0.1197	40.2580	10.7275	0.1115	10.8391		33,378.47 81	33,378.47 81	1.5978		33,418.42 28

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	4,172.87	930.67	397.24	7,576,285	7,576,285
Single Family Housing	3,010.00	3,133.41	2724.05	8,528,163	8,528,163
Total	7,182.87	4,064.08	3,121.29	16,104,448	16,104,448

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
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

San Dieguito 15, UM - San Diego County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668
Single Family Housing	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519
NaturalGas Unmitigated	0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519

San Dieguito 15, UM - San Diego County, Winter

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					
General Office Building	21009.7	0.2266	2.0598	1.7302	0.0124		0.1565	0.1565		0.1565	0.1565		2,471.7313	2,471.7313	0.0474	0.0453	2,486.4196
Single Family Housing	23496.6	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.3054	2,764.3054	0.0530	0.0507	2,780.7323
Total		0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	21.0097	0.2266	2.0598	1.7302	0.0124		0.1565	0.1565		0.1565	0.1565		2,471.7313	2,471.7313	0.0474	0.0453	2,486.4196
Single Family Housing	23.4966	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.3054	2,764.3054	0.0530	0.0507	2,780.7323
Total		0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519

6.0 Area Detail**6.1 Mitigation Measures Area**

San Dieguito 15, UM - San Diego 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	482.4917	9.2817	593.3832	1.0315		79.8639	79.8639		79.8639	79.8639	8,359.2910	3,550.5617	11,909.8527	7.7570	0.6575	12,299.7194
Unmitigated	482.4917	9.2817	593.3832	1.0315		79.8639	79.8639		79.8639	79.8639	8,359.2910	3,550.5617	11,909.8527	7.7570	0.6575	12,299.7194

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	1.4092					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.6906					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	460.6489	8.9959	568.6210	1.0302		79.7261	79.7261		79.7261	79.7261	8,359.2910	3,505.7647	11,865.0557	7.7142	0.6575	12,253.8530
Landscaping	0.7430	0.2857	24.7622	1.3100e-003		0.1379	0.1379		0.1379	0.1379		44.7970	44.7970	0.0428		45.8664
Total	482.4917	9.2817	593.3832	1.0315		79.8639	79.8639		79.8639	79.8639	8,359.2910	3,550.5618	11,909.8527	7.7570	0.6575	12,299.7194

San Dieguito 15, UM - San Diego 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	1.4092					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.6906					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	460.6489	8.9959	568.6210	1.0302		79.7261	79.7261		79.7261	79.7261	8,359.2910	3,505.7647	11,865.0557	7.7142	0.6575	12,253.8530
Landscaping	0.7430	0.2857	24.7622	1.3100e-003		0.1379	0.1379		0.1379	0.1379		44.7970	44.7970	0.0428		45.8664
Total	482.4917	9.2817	593.3832	1.0315		79.8639	79.8639		79.8639	79.8639	8,359.2910	3,550.5618	11,909.8527	7.7570	0.6575	12,299.7194

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

San Dieguito 15, UM - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

San Dieguito 15, M - San Diego County, Winter

San Dieguito 15, M
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	378.32	1000sqft	8.69	378,320.00	0
Single Family Housing	301.00	Dwelling Unit	97.73	541,800.00	861

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

San Dieguito 15, M - San Diego County, Winter

Project Characteristics -

Land Use -

Construction Phase -

Off-road Equipment -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG SFR Weekday rate.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/26/2025	3/18/2033
tblConstructionPhase	PhaseEndDate	2/21/2025	7/11/2031
tblConstructionPhase	PhaseEndDate	3/15/2019	8/23/2019
tblConstructionPhase	PhaseEndDate	7/25/2025	5/14/2032

San Dieguito 15, M - San Diego County, Winter

tblConstructionPhase	PhaseEndDate	8/10/2018	6/15/2018
tblConstructionPhase	PhaseStartDate	7/26/2025	5/15/2032
tblConstructionPhase	PhaseStartDate	3/16/2019	8/24/2019
tblConstructionPhase	PhaseStartDate	8/11/2018	6/16/2018
tblConstructionPhase	PhaseStartDate	2/22/2025	7/12/2031
tblConstructionPhase	PhaseStartDate	5/19/2018	1/1/2018
tblFireplaces	NumberGas	165.55	301.00
tblFireplaces	NumberNoFireplace	30.10	0.00
tblFireplaces	NumberWood	105.35	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	15.05	0.00
tblWoodstoves	NumberNoncatalytic	15.05	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

San Dieguito 15, M - San Diego 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
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.893 9	6,412.893 9	1.9498	0.0000	6,461.639 2
2019	4.8277	54.5817	33.9616	0.0710	8.8376	2.3838	11.2215	3.6401	2.1931	5.8332	0.0000	7,174.215 0	7,174.215 0	1.9479	0.0000	7,197.220 8
2020	3.4395	30.4125	25.9652	0.0702	2.5175	1.1831	3.7006	0.6822	1.1130	1.7952	0.0000	7,057.500 1	7,057.500 1	0.8941	0.0000	7,079.852 1
2021	3.0988	27.5562	25.0008	0.0693	2.5175	0.9925	3.5101	0.6822	0.9333	1.6154	0.0000	6,972.079 3	6,972.079 3	0.8742	0.0000	6,993.933 1
2022	2.8362	25.1575	24.2330	0.0684	2.5175	0.8398	3.3573	0.6822	0.7901	1.4723	0.0000	6,883.341 8	6,883.341 8	0.8592	0.0000	6,904.821 7
2023	2.5962	21.9552	23.4775	0.0671	2.5175	0.7211	3.2386	0.6822	0.6784	1.3605	0.0000	6,753.688 9	6,753.688 9	0.8331	0.0000	6,774.515 8
2024	2.4491	20.8755	23.0001	0.0663	2.5175	0.6341	3.1517	0.6822	0.5964	1.2785	0.0000	6,674.225 9	6,674.225 9	0.8238	0.0000	6,694.819 6
2025	2.3053	19.7658	22.5653	0.0655	2.5175	0.5479	3.0654	0.6822	0.5153	1.1975	0.0000	6,596.687 7	6,596.687 7	0.8153	0.0000	6,617.069 2
2026	2.2710	19.6394	22.2739	0.0648	2.5175	0.5473	3.0648	0.6822	0.5147	1.1969	0.0000	6,527.606 9	6,527.606 9	0.8108	0.0000	6,547.877 1
2027	2.2371	19.5201	22.0171	0.0641	2.5175	0.5464	3.0640	0.6822	0.5139	1.1961	0.0000	6,466.174 0	6,466.174 0	0.8070	0.0000	6,486.347 9
2028	2.2020	19.4197	21.8031	0.0636	2.5175	0.5455	3.0630	0.6822	0.5130	1.1952	0.0000	6,412.855 1	6,412.855 1	0.8036	0.0000	6,432.944 3
2029	2.1642	19.3186	21.5972	0.0631	2.5175	0.5445	3.0620	0.6822	0.5121	1.1943	0.0000	6,364.885 0	6,364.885 0	0.8007	0.0000	6,384.903 2
2030	2.0653	14.6956	21.4804	0.0666	2.5175	0.1643	2.6818	0.6822	0.1632	0.8454	0.0000	6,664.446 8	6,664.446 8	0.3134	0.0000	6,672.282 7
2031	2.0227	14.6184	21.3016	0.0663	2.5175	0.3312	2.6810	0.6822	0.3311	0.8447	0.0000	6,628.419 8	6,628.419 8	0.3111	0.0000	6,636.196 7
2032	23.6110	7.1370	16.0396	0.0289	0.3779	0.3311	0.4544	0.1002	0.3311	0.3638	0.0000	2,736.853 8	2,736.853 8	0.1261	0.0000	2,740.005 6
2033	23.6047	0.9052	2.3550	5.3900e-003	0.3779	0.0217	0.3996	0.1002	0.0216	0.1219	0.0000	523.5127	523.5127	0.0159	0.0000	523.9102
Maximum	23.6110	59.5906	35.7388	0.0710	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	7,174.215 0	7,174.215 0	1.9498	0.0000	7,197.220 8

San Dieguito 15, M - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

San Dieguito 15, M - San Diego 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
Year	lb/day										lb/day					
2018	5.1863	59.5906	35.7388	0.0637	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	6,412.893 9	6,412.893 9	1.9498	0.0000	6,461.639 2
2019	4.8277	54.5817	33.9616	0.0710	8.8376	2.3838	11.2215	3.6401	2.1931	5.8332	0.0000	7,174.215 0	7,174.215 0	1.9479	0.0000	7,197.220 8
2020	3.4395	30.4125	25.9652	0.0702	2.5175	1.1831	3.7006	0.6822	1.1130	1.7952	0.0000	7,057.500 1	7,057.500 1	0.8941	0.0000	7,079.852 0
2021	3.0988	27.5562	25.0008	0.0693	2.5175	0.9925	3.5101	0.6822	0.9333	1.6154	0.0000	6,972.079 3	6,972.079 3	0.8742	0.0000	6,993.933 1
2022	2.8362	25.1575	24.2330	0.0684	2.5175	0.8398	3.3573	0.6822	0.7901	1.4723	0.0000	6,883.341 8	6,883.341 8	0.8592	0.0000	6,904.821 7
2023	2.5962	21.9552	23.4775	0.0671	2.5175	0.7211	3.2386	0.6822	0.6784	1.3605	0.0000	6,753.688 9	6,753.688 9	0.8331	0.0000	6,774.515 8
2024	2.4491	20.8755	23.0001	0.0663	2.5175	0.6341	3.1517	0.6822	0.5964	1.2785	0.0000	6,674.225 9	6,674.225 9	0.8238	0.0000	6,694.819 6
2025	2.3053	19.7658	22.5653	0.0655	2.5175	0.5479	3.0654	0.6822	0.5153	1.1975	0.0000	6,596.687 7	6,596.687 7	0.8153	0.0000	6,617.069 2
2026	2.2710	19.6394	22.2739	0.0648	2.5175	0.5473	3.0648	0.6822	0.5147	1.1969	0.0000	6,527.606 9	6,527.606 9	0.8108	0.0000	6,547.877 1
2027	2.2371	19.5201	22.0171	0.0641	2.5175	0.5464	3.0640	0.6822	0.5139	1.1961	0.0000	6,466.174 0	6,466.174 0	0.8070	0.0000	6,486.347 9
2028	2.2020	19.4197	21.8031	0.0636	2.5175	0.5455	3.0630	0.6822	0.5130	1.1952	0.0000	6,412.855 1	6,412.855 1	0.8036	0.0000	6,432.944 3
2029	2.1642	19.3186	21.5972	0.0631	2.5175	0.5445	3.0620	0.6822	0.5121	1.1943	0.0000	6,364.885 0	6,364.885 0	0.8007	0.0000	6,384.903 2
2030	2.0653	14.6956	21.4804	0.0666	2.5175	0.1643	2.6818	0.6822	0.1632	0.8454	0.0000	6,664.446 8	6,664.446 8	0.3134	0.0000	6,672.282 7
2031	2.0227	14.6184	21.3016	0.0663	2.5175	0.3312	2.6810	0.6822	0.3311	0.8447	0.0000	6,628.419 8	6,628.419 8	0.3111	0.0000	6,636.196 7
2032	23.6110	7.1370	16.0396	0.0289	0.3779	0.3311	0.4544	0.1002	0.3311	0.3638	0.0000	2,736.853 8	2,736.853 8	0.1261	0.0000	2,740.005 6
2033	23.6047	0.9052	2.3550	5.3900e-003	0.3779	0.0217	0.3996	0.1002	0.0216	0.1219	0.0000	523.5127	523.5127	0.0159	0.0000	523.9102
Maximum	23.6110	59.5906	35.7388	0.0710	18.2141	2.6349	20.7921	9.9699	2.4241	12.3416	0.0000	7,174.215 0	7,174.215 0	1.9498	0.0000	7,197.220 8

San Dieguito 15, M - San Diego County, Winter

[illegible]

San Dieguito 15, M - San Diego 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	22.4271	5.2788	26.8869	0.0332		0.5415	0.5415		0.5415	0.5415	0.0000	6,418.914 7	6,418.914 7	0.1649	0.1169	6,457.862 2
Energy	0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.036 7	5,236.036 7	0.1004	0.0960	5,267.151 9
Mobile	5.5346	31.0007	68.5731	0.3235	40.1382	0.1197	40.2580	10.7275	0.1115	10.8391		33,378.47 81	33,378.47 81	1.5978		33,418.42 28
Total	28.4417	40.5046	98.1116	0.3829	40.1382	0.9929	41.1311	10.7275	0.9847	11.7122	0.0000	45,033.42 95	45,033.42 95	1.8631	0.2129	45,143.43 69

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	22.4271	5.2788	26.8869	0.0332		0.5415	0.5415		0.5415	0.5415	0.0000	6,418.914 7	6,418.914 7	0.1649	0.1169	6,457.862 2
Energy	0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.036 7	5,236.036 7	0.1004	0.0960	5,267.151 9
Mobile	5.5346	31.0007	68.5731	0.3235	40.1382	0.1197	40.2580	10.7275	0.1115	10.8391		33,378.47 81	33,378.47 81	1.5978		33,418.42 28
Total	28.4417	40.5046	98.1116	0.3829	40.1382	0.9929	41.1311	10.7275	0.9847	11.7122	0.0000	45,033.42 95	45,033.42 95	1.8631	0.2129	45,143.43 69

San Dieguito 15, M - San Diego 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	Site Preparation	Site Preparation	1/1/2018	6/15/2018	5	120	
2	Grading	Grading	6/16/2018	8/23/2019	5	310	
3	Building Construction	Building Construction	8/24/2019	7/11/2031	5	3100	
4	Paving	Paving	7/12/2031	5/14/2032	5	220	
5	Architectural Coating	Architectural Coating	5/15/2032	3/18/2033	5	220	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 775

Acres of Paving: 0

Residential Indoor: 1,097,145; Residential Outdoor: 365,715; Non-Residential Indoor: 567,480; Non-Residential Outdoor: 189,160; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

San Dieguito 15, M - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	46.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	229.00	94.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

San Dieguito 15, M - San Diego County, Winter

3.2 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

San Dieguito 15, M - San Diego County, Winter

3.2 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503

San Dieguito 15, M - San Diego County, Winter

3.3 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

San Dieguito 15, M - San Diego County, Winter

3.3 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114
Total	0.0962	0.0689	0.6495	1.6900e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		168.4655	168.4655	5.8400e-003		168.6114

San Dieguito 15, M - San Diego County, Winter

3.3 Grading - 2019**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0888	0.0616	0.5848	1.6400e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		163.3828	163.3828	5.2700e-003		163.5146
Total	0.0888	0.0616	0.5848	1.6400e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		163.3828	163.3828	5.2700e-003		163.5146

San Dieguito 15, M - San Diego County, Winter

3.3 Grading - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.019 5	6,140.019 5	1.9426		6,188.585 4
Total	4.7389	54.5202	33.3768	0.0620	8.6733	2.3827	11.0560	3.5965	2.1920	5.7885	0.0000	6,140.019 5	6,140.019 5	1.9426		6,188.585 4

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	0.0888	0.0616	0.5848	1.6400e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		163.3828	163.3828	5.2700e-003		163.5146
Total	0.0888	0.0616	0.5848	1.6400e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		163.3828	163.3828	5.2700e-003		163.5146

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4513	11.6643	3.3361	0.0253	0.6364	0.0825	0.7189	0.1832	0.0789	0.2621		2,711.902 4	2,711.902 4	0.2285		2,717.615 8
Worker	1.0169	0.7047	6.6958	0.0188	1.8812	0.0134	1.8946	0.4990	0.0124	0.5113		1,870.732 5	1,870.732 5	0.0604		1,872.241 6
Total	1.4682	12.3690	10.0319	0.0441	2.5175	0.0959	2.6135	0.6822	0.0913	0.7735		4,582.634 9	4,582.634 9	0.2889		4,589.857 4

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4513	11.6643	3.3361	0.0253	0.6364	0.0825	0.7189	0.1832	0.0789	0.2621		2,711.902 4	2,711.902 4	0.2285		2,717.615 8
Worker	1.0169	0.7047	6.6958	0.0188	1.8812	0.0134	1.8946	0.4990	0.0124	0.5113		1,870.732 5	1,870.732 5	0.0604		1,872.241 6
Total	1.4682	12.3690	10.0319	0.0441	2.5175	0.0959	2.6135	0.6822	0.0913	0.7735		4,582.634 9	4,582.634 9	0.2889		4,589.857 4

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2020**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3679	10.5907	2.9967	0.0251	0.6363	0.0528	0.6892	0.1832	0.0506	0.2337		2,692.744 8	2,692.744 8	0.2167		2,698.161 8
Worker	0.9517	0.6357	6.1200	0.0182	1.8812	0.0132	1.8944	0.4990	0.0122	0.5111		1,811.692 2	1,811.692 2	0.0546		1,813.055 8
Total	1.3196	11.2264	9.1167	0.0433	2.5175	0.0660	2.5836	0.6822	0.0627	0.7449		4,504.437 0	4,504.437 0	0.2712		4,511.217 6

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2020**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	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3679	10.5907	2.9967	0.0251	0.6363	0.0528	0.6892	0.1832	0.0506	0.2337		2,692.744 8	2,692.744 8	0.2167		2,698.161 8
Worker	0.9517	0.6357	6.1200	0.0182	1.8812	0.0132	1.8944	0.4990	0.0122	0.5111		1,811.692 2	1,811.692 2	0.0546		1,813.055 8
Total	1.3196	11.2264	9.1167	0.0433	2.5175	0.0660	2.5836	0.6822	0.0627	0.7449		4,504.437 0	4,504.437 0	0.2712		4,511.217 6

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2021**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2996	9.5465	2.7161	0.0248	0.6363	0.0209	0.6573	0.1832	0.0200	0.2032		2,667.9014	2,667.9014	0.2078		2,673.0974
Worker	0.8982	0.5776	5.7095	0.0176	1.8812	0.0130	1.8942	0.4990	0.0120	0.5110		1,750.8139	1,750.8139	0.0503		1,752.0715
Total	1.1979	10.1241	8.4256	0.0424	2.5175	0.0339	2.5514	0.6822	0.0320	0.7141		4,418.7154	4,418.7154	0.2581		4,425.1688

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2021**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2996	9.5465	2.7161	0.0248	0.6363	0.0209	0.6573	0.1832	0.0200	0.2032		2,667.901 4	2,667.901 4	0.2078		2,673.097 4
Worker	0.8982	0.5776	5.7095	0.0176	1.8812	0.0130	1.8942	0.4990	0.0120	0.5110		1,750.813 9	1,750.813 9	0.0503		1,752.071 5
Total	1.1979	10.1241	8.4256	0.0424	2.5175	0.0339	2.5514	0.6822	0.0320	0.7141		4,418.715 4	4,418.715 4	0.2581		4,425.168 8

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2022**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2787	9.0153	2.5717	0.0245	0.6363	0.0180	0.6544	0.1832	0.0172	0.2004		2,642.3646	2,642.3646	0.2012		2,647.3946
Worker	0.8512	0.5266	5.2979	0.0169	1.8812	0.0127	1.8939	0.4990	0.0117	0.5107		1,686.6436	1,686.6436	0.0461		1,687.7949
Total	1.1299	9.5419	7.8696	0.0415	2.5175	0.0307	2.5483	0.6822	0.0290	0.7111		4,329.0082	4,329.0082	0.2473		4,335.1895

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2022**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2787	9.0153	2.5717	0.0245	0.6363	0.0180	0.6544	0.1832	0.0172	0.2004		2,642.3646	2,642.3646	0.2012		2,647.3946
Worker	0.8512	0.5266	5.2979	0.0169	1.8812	0.0127	1.8939	0.4990	0.0117	0.5107		1,686.6436	1,686.6436	0.0461		1,687.7949
Total	1.1299	9.5419	7.8696	0.0415	2.5175	0.0307	2.5483	0.6822	0.0290	0.7111		4,329.0082	4,329.0082	0.2473		4,335.1895

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3.4 Building Construction - 2023**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2152	7.0896	2.3229	0.0239	0.6363	8.8600e-003	0.6452	0.1832	8.4700e-003	0.1917		2,576.2517	2,576.2517	0.1831		2,580.8302
Worker	0.8083	0.4808	4.9106	0.0163	1.8812	0.0125	1.8936	0.4990	0.0115	0.5105		1,622.2273	1,622.2273	0.0421		1,623.2796
Total	1.0234	7.5704	7.2335	0.0401	2.5175	0.0213	2.5388	0.6822	0.0199	0.7021		4,198.4790	4,198.4790	0.2252		4,204.1098

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3.4 Building Construction - 2023**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2152	7.0896	2.3229	0.0239	0.6363	8.8600e-003	0.6452	0.1832	8.4700e-003	0.1917		2,576.2517	2,576.2517	0.1831		2,580.8302
Worker	0.8083	0.4808	4.9106	0.0163	1.8812	0.0125	1.8936	0.4990	0.0115	0.5105		1,622.2273	1,622.2273	0.0421		1,623.2796
Total	1.0234	7.5704	7.2335	0.0401	2.5175	0.0213	2.5388	0.6822	0.0199	0.7021		4,198.4790	4,198.4790	0.2252		4,204.1098

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2024**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2074	6.9908	2.2491	0.0237	0.6363	8.6000e-003	0.6449	0.1832	8.2200e-003	0.1914		2,560.1546	2,560.1546	0.1808		2,564.6734
Worker	0.7701	0.4409	4.5842	0.0156	1.8812	0.0122	1.8934	0.4990	0.0113	0.5102		1,558.3723	1,558.3723	0.0387		1,559.3385
Total	0.9775	7.4317	6.8332	0.0393	2.5175	0.0208	2.5384	0.6822	0.0195	0.7016		4,118.5270	4,118.5270	0.2194		4,124.0119

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3.4 Building Construction - 2024**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2074	6.9908	2.2491	0.0237	0.6363	8.6000e-003	0.6449	0.1832	8.2200e-003	0.1914		2,560.1546	2,560.1546	0.1808		2,564.6734
Worker	0.7701	0.4409	4.5842	0.0156	1.8812	0.0122	1.8934	0.4990	0.0113	0.5102		1,558.3723	1,558.3723	0.0387		1,559.3385
Total	0.9775	7.4317	6.8332	0.0393	2.5175	0.0208	2.5384	0.6822	0.0195	0.7016		4,118.5270	4,118.5270	0.2194		4,124.0119

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.2012	6.8896	2.2031	0.0235	0.6363	8.3200e-003	0.6447	0.1832	7.9500e-003	0.1911		2,544.830 8	2,544.830 8	0.1787		2,549.297 1
Worker	0.7367	0.4065	4.2775	0.0150	1.8812	0.0120	1.8932	0.4990	0.0111	0.5101		1,495.382 6	1,495.382 6	0.0357		1,496.274 0
Total	0.9379	7.2961	6.4806	0.0385	2.5175	0.0204	2.5379	0.6822	0.0190	0.7012		4,040.213 3	4,040.213 3	0.2143		4,045.571 1

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2012	6.8896	2.2031	0.0235	0.6363	8.3200e-003	0.6447	0.1832	7.9500e-003	0.1911		2,544.830 8	2,544.830 8	0.1787		2,549.297 1
Worker	0.7367	0.4065	4.2775	0.0150	1.8812	0.0120	1.8932	0.4990	0.0111	0.5101		1,495.382 6	1,495.382 6	0.0357		1,496.274 0
Total	0.9379	7.2961	6.4806	0.0385	2.5175	0.0204	2.5379	0.6822	0.0190	0.7012		4,040.213 3	4,040.213 3	0.2143		4,045.571 1

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1960	6.7916	2.1707	0.0234	0.6363	8.0500e-003	0.6444	0.1832	7.7000e-003	0.1909		2,530.512 5	2,530.512 5	0.1767		2,534.928 8
Worker	0.7076	0.3781	4.0186	0.0144	1.8812	0.0117	1.8929	0.4990	0.0107	0.5097		1,440.620 0	1,440.620 0	0.0332		1,441.450 3
Total	0.9036	7.1697	6.1893	0.0378	2.5175	0.0197	2.5372	0.6822	0.0184	0.7006		3,971.132 5	3,971.132 5	0.2099		3,976.379 1

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2026**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1960	6.7916	2.1707	0.0234	0.6363	8.0500e-003	0.6444	0.1832	7.7000e-003	0.1909		2,530.512 5	2,530.512 5	0.1767		2,534.928 8
Worker	0.7076	0.3781	4.0186	0.0144	1.8812	0.0117	1.8929	0.4990	0.0107	0.5097		1,440.620 0	1,440.620 0	0.0332		1,441.450 3
Total	0.9036	7.1697	6.1893	0.0378	2.5175	0.0197	2.5372	0.6822	0.0184	0.7006		3,971.132 5	3,971.132 5	0.2099		3,976.379 1

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1916	6.6975	2.1433	0.0232	0.6363	7.8400e-003	0.6442	0.1832	7.5000e-003	0.1907		2,517.344 1	2,517.344 1	0.1749		2,521.717 3
Worker	0.6781	0.3529	3.7892	0.0140	1.8812	0.0110	1.8922	0.4990	0.0102	0.5091		1,392.355 6	1,392.355 6	0.0311		1,393.132 6
Total	0.8697	7.0504	5.9325	0.0372	2.5175	0.0189	2.5364	0.6822	0.0177	0.6998		3,909.699 7	3,909.699 7	0.2060		3,914.849 8

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2027**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1916	6.6975	2.1433	0.0232	0.6363	7.8400e-003	0.6442	0.1832	7.5000e-003	0.1907		2,517.344 1	2,517.344 1	0.1749		2,521.717 3
Worker	0.6781	0.3529	3.7892	0.0140	1.8812	0.0110	1.8922	0.4990	0.0102	0.5091		1,392.355 6	1,392.355 6	0.0311		1,393.132 6
Total	0.8697	7.0504	5.9325	0.0372	2.5175	0.0189	2.5364	0.6822	0.0177	0.6998		3,909.699 7	3,909.699 7	0.2060		3,914.849 8

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2028**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1882	6.6194	2.1287	0.0231	0.6363	7.6700e-003	0.6440	0.1832	7.3300e-003	0.1905		2,506.379 9	2,506.379 9	0.1733		2,510.713 4
Worker	0.6464	0.3306	3.5898	0.0135	1.8812	0.0102	1.8914	0.4990	9.4100e-003	0.5084		1,350.000 8	1,350.000 8	0.0293		1,350.732 8
Total	0.8346	6.9500	5.7184	0.0366	2.5175	0.0179	2.5354	0.6822	0.0167	0.6989		3,856.380 7	3,856.380 7	0.2026		3,861.446 2

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2028**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1882	6.6194	2.1287	0.0231	0.6363	7.6700e-003	0.6440	0.1832	7.3300e-003	0.1905		2,506.379 9	2,506.379 9	0.1733		2,510.713 4
Worker	0.6464	0.3306	3.5898	0.0135	1.8812	0.0102	1.8914	0.4990	9.4100e-003	0.5084		1,350.000 8	1,350.000 8	0.0293		1,350.732 8
Total	0.8346	6.9500	5.7184	0.0366	2.5175	0.0179	2.5354	0.6822	0.0167	0.6989		3,856.380 7	3,856.380 7	0.2026		3,861.446 2

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1849	6.5389	2.1124	0.0230	0.6363	7.4600e-003	0.6438	0.1832	7.1300e-003	0.1903		2,495.650 4	2,495.650 4	0.1722		2,499.954 6
Worker	0.6119	0.3101	3.4001	0.0132	1.8812	9.4900e-003	1.8907	0.4990	8.7300e-003	0.5077		1,312.760 3	1,312.760 3	0.0276		1,313.450 6
Total	0.7968	6.8489	5.5125	0.0361	2.5175	0.0170	2.5345	0.6822	0.0159	0.6980		3,808.410 6	3,808.410 6	0.1998		3,813.405 1

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2029**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1849	6.5389	2.1124	0.0230	0.6363	7.4600e-003	0.6438	0.1832	7.1300e-003	0.1903		2,495.650 4	2,495.650 4	0.1722		2,499.954 6
Worker	0.6119	0.3101	3.4001	0.0132	1.8812	9.4900e-003	1.8907	0.4990	8.7300e-003	0.5077		1,312.760 3	1,312.760 3	0.0276		1,313.450 6
Total	0.7968	6.8489	5.5125	0.0361	2.5175	0.0170	2.5345	0.6822	0.0159	0.6980		3,808.410 6	3,808.410 6	0.1998		3,813.405 1

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2030**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1824	6.4708	2.1036	0.0229	0.6363	7.3000e-003	0.6436	0.1832	6.9700e-003	0.1902		2,486.8877	2,486.8877	0.1712		2,491.1665
Worker	0.5738	0.2902	3.2198	0.0128	1.8812	8.8200e-003	1.8900	0.4990	8.1100e-003	0.5071		1,280.0123	1,280.0123	0.0260		1,280.6633
Total	0.7562	6.7610	5.3234	0.0357	2.5175	0.0161	2.5336	0.6822	0.0151	0.6972		3,766.9000	3,766.9000	0.1972		3,771.8298

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3.4 Building Construction - 2030**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1824	6.4708	2.1036	0.0229	0.6363	7.3000e-003	0.6436	0.1832	6.9700e-003	0.1902		2,486.8877	2,486.8877	0.1712		2,491.1665
Worker	0.5738	0.2902	3.2198	0.0128	1.8812	8.8200e-003	1.8900	0.4990	8.1100e-003	0.5071		1,280.0123	1,280.0123	0.0260		1,280.6633
Total	0.7562	6.7610	5.3234	0.0357	2.5175	0.0161	2.5336	0.6822	0.0151	0.6972		3,766.9000	3,766.9000	0.1972		3,771.8298

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2031**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1803	6.4121	2.0960	0.0228	0.6363	7.1600e-003	0.6435	0.1832	6.8400e-003	0.1900		2,479.5209	2,479.5209	0.1702		2,483.7763
Worker	0.5332	0.2718	3.0486	0.0125	1.8812	8.2100e-003	1.8894	0.4990	7.5500e-003	0.5065		1,251.3521	1,251.3521	0.0246		1,251.9676
Total	0.7135	6.6838	5.1446	0.0353	2.5175	0.0154	2.5329	0.6822	0.0144	0.6965		3,730.8730	3,730.8730	0.1948		3,735.7439

San Dieguito 15, M - San Diego County, Winter

3.4 Building Construction - 2031**Mitigated Construction On-Site**

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1803	6.4121	2.0960	0.0228	0.6363	7.1600e-003	0.6435	0.1832	6.8400e-003	0.1900		2,479.5209	2,479.5209	0.1702		2,483.7763
Worker	0.5332	0.2718	3.0486	0.0125	1.8812	8.2100e-003	1.8894	0.4990	7.5500e-003	0.5065		1,251.3521	1,251.3521	0.0246		1,251.9676
Total	0.7135	6.6838	5.1446	0.0353	2.5175	0.0154	2.5329	0.6822	0.0144	0.6965		3,730.8730	3,730.8730	0.1948		3,735.7439

San Dieguito 15, M - San Diego County, Winter

3.5 Paving - 2031**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0349	0.0178	0.1997	8.2000e-004	0.1232	5.4000e-004	0.1238	0.0327	4.9000e-004	0.0332		81.9663	81.9663	1.6100e-003		82.0066
Total	0.0349	0.0178	0.1997	8.2000e-004	0.1232	5.4000e-004	0.1238	0.0327	4.9000e-004	0.0332		81.9663	81.9663	1.6100e-003		82.0066

San Dieguito 15, M - San Diego County, Winter

3.5 Paving - 2031**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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0349	0.0178	0.1997	8.2000e-004	0.1232	5.4000e-004	0.1238	0.0327	4.9000e-004	0.0332		81.9663	81.9663	1.6100e-003		82.0066
Total	0.0349	0.0178	0.1997	8.2000e-004	0.1232	5.4000e-004	0.1238	0.0327	4.9000e-004	0.0332		81.9663	81.9663	1.6100e-003		82.0066

San Dieguito 15, M - San Diego County, Winter

3.5 Paving - 2032**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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0326	0.0168	0.1900	8.0000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		80.3371	80.3371	1.5400e-003		80.3755
Total	0.0326	0.0168	0.1900	8.0000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		80.3371	80.3371	1.5400e-003		80.3755

San Dieguito 15, M - San Diego County, Winter

3.5 Paving - 2032**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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0326	0.0168	0.1900	8.0000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		80.3371	80.3371	1.5400e-003		80.3755
Total	0.0326	0.0168	0.1900	8.0000e-004	0.1232	5.0000e-004	0.1237	0.0327	4.6000e-004	0.0331		80.3371	80.3371	1.5400e-003		80.3755

San Dieguito 15, M - San Diego County, Winter

3.6 Architectural Coating - 2032**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	23.3804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	23.5112	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

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	0.0999	0.0515	0.5828	2.4700e-003	0.3779	1.5400e-003	0.3794	0.1002	1.4100e-003	0.1016		246.3670	246.3670	4.7100e-003		246.4848
Total	0.0999	0.0515	0.5828	2.4700e-003	0.3779	1.5400e-003	0.3794	0.1002	1.4100e-003	0.1016		246.3670	246.3670	4.7100e-003		246.4848

San Dieguito 15, M - San Diego County, Winter

3.6 Architectural Coating - 2032**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	23.3804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	23.5112	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

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	0.0999	0.0515	0.5828	2.4700e-003	0.3779	1.5400e-003	0.3794	0.1002	1.4100e-003	0.1016		246.3670	246.3670	4.7100e-003		246.4848
Total	0.0999	0.0515	0.5828	2.4700e-003	0.3779	1.5400e-003	0.3794	0.1002	1.4100e-003	0.1016		246.3670	246.3670	4.7100e-003		246.4848

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3.6 Architectural Coating - 2033**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	23.3804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	23.5112	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

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	0.0936	0.0489	0.5572	2.4200e-003	0.3779	1.4300e-003	0.3793	0.1002	1.3200e-003	0.1016		242.0646	242.0646	4.5100e-003		242.1774
Total	0.0936	0.0489	0.5572	2.4200e-003	0.3779	1.4300e-003	0.3793	0.1002	1.3200e-003	0.1016		242.0646	242.0646	4.5100e-003		242.1774

San Dieguito 15, M - San Diego County, Winter

3.6 Architectural Coating - 2033**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	23.3804					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	23.5112	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

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	0.0936	0.0489	0.5572	2.4200e-003	0.3779	1.4300e-003	0.3793	0.1002	1.3200e-003	0.1016		242.0646	242.0646	4.5100e-003		242.1774
Total	0.0936	0.0489	0.5572	2.4200e-003	0.3779	1.4300e-003	0.3793	0.1002	1.3200e-003	0.1016		242.0646	242.0646	4.5100e-003		242.1774

4.0 Operational Detail - Mobile

San Dieguito 15, M - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.5346	31.0007	68.5731	0.3235	40.1382	0.1197	40.2580	10.7275	0.1115	10.8391		33,378.47 81	33,378.47 81	1.5978		33,418.42 28
Unmitigated	5.5346	31.0007	68.5731	0.3235	40.1382	0.1197	40.2580	10.7275	0.1115	10.8391		33,378.47 81	33,378.47 81	1.5978		33,418.42 28

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	4,172.87	930.67	397.24	7,576,285	7,576,285
Single Family Housing	3,010.00	3,133.41	2724.05	8,528,163	8,528,163
Total	7,182.87	4,064.08	3,121.29	16,104,448	16,104,448

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
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3

4.4 Fleet Mix

San Dieguito 15, M - San Diego County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668
Single Family Housing	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519
NaturalGas Unmitigated	0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519

San Dieguito 15, M - San Diego County, Winter

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					
General Office Building	21009.7	0.2266	2.0598	1.7302	0.0124		0.1565	0.1565		0.1565	0.1565		2,471.7313	2,471.7313	0.0474	0.0453	2,486.4196
Single Family Housing	23496.6	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.3054	2,764.3054	0.0530	0.0507	2,780.7323
Total		0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	21.0097	0.2266	2.0598	1.7302	0.0124		0.1565	0.1565		0.1565	0.1565		2,471.7313	2,471.7313	0.0474	0.0453	2,486.4196
Single Family Housing	23.4966	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.3054	2,764.3054	0.0530	0.0507	2,780.7323
Total		0.4800	4.2252	2.6517	0.0262		0.3316	0.3316		0.3316	0.3316		5,236.0367	5,236.0367	0.1004	0.0960	5,267.1519

6.0 Area Detail**6.1 Mitigation Measures Area**

San Dieguito 15, M - San Diego 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	22.4271	5.2788	26.8869	0.0332		0.5415	0.5415		0.5415	0.5415	0.0000	6,418.914 7	6,418.914 7	0.1649	0.1169	6,457.862 2
Unmitigated	22.4271	5.2788	26.8869	0.0332		0.5415	0.5415		0.5415	0.5415	0.0000	6,418.914 7	6,418.914 7	0.1649	0.1169	6,457.862 2

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	1.4092					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.6906					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5843	4.9931	2.1247	0.0319		0.4037	0.4037		0.4037	0.4037	0.0000	6,374.117 7	6,374.117 7	0.1222	0.1169	6,411.995 8
Landscaping	0.7430	0.2857	24.7622	1.3100e-003		0.1379	0.1379		0.1379	0.1379		44.7970	44.7970	0.0428		45.8664
Total	22.4271	5.2788	26.8869	0.0332		0.5415	0.5415		0.5415	0.5415	0.0000	6,418.914 7	6,418.914 7	0.1649	0.1169	6,457.862 2

San Dieguito 15, M - San Diego 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	1.4092					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.6906					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5843	4.9931	2.1247	0.0319		0.4037	0.4037		0.4037	0.4037	0.0000	6,374.117 7	6,374.117 7	0.1222	0.1169	6,411.995 8
Landscaping	0.7430	0.2857	24.7622	1.3100e-003		0.1379	0.1379		0.1379	0.1379		44.7970	44.7970	0.0428		45.8664
Total	22.4271	5.2788	26.8869	0.0332		0.5415	0.5415		0.5415	0.5415	0.0000	6,418.914 7	6,418.914 7	0.1649	0.1169	6,457.862 2

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

San Dieguito 15, M - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Valley Center 7+, UM - San Diego County, Summer

Valley Center 7+, UM

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	253.00	Dwelling Unit	82.14	455,400.00	724

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Valley Center 7+, UM - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	8/8/2025
tblConstructionPhase	PhaseEndDate	12/31/2017	10/29/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	10/26/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	3/7/2025
tblConstructionPhase	PhaseEndDate	12/31/2017	3/23/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	3/8/2025
tblConstructionPhase	PhaseStartDate	1/1/2018	10/27/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	3/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	10/5/2024
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

Valley Center 7+, UM - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2079	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.851 9	6,520.851 9	1.9532	0.0000	6,569.681 4
2024	1.0497	9.5630	15.1001	0.0245	0.1916	0.4697	0.6613	0.0508	0.4321	0.4830	0.0000	2,375.003 8	2,375.003 8	0.7180	0.0000	2,392.954 1
2025	26.1465	8.6171	15.0212	0.0244	0.2299	0.4197	0.6113	0.0610	0.3861	0.4369	0.0000	2,367.423 1	2,367.423 1	0.7175	0.0000	2,385.359 2
Maximum	26.1465	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.851 9	6,520.851 9	1.9532	0.0000	6,569.681 4

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2079	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.851 9	6,520.851 9	1.9532	0.0000	6,569.681 4
2024	1.0497	9.5630	15.1001	0.0245	0.1916	0.4697	0.6613	0.0508	0.4321	0.4830	0.0000	2,375.003 8	2,375.003 8	0.7180	0.0000	2,392.954 1
2025	26.1465	8.6171	15.0212	0.0244	0.2299	0.4197	0.6113	0.0610	0.3861	0.4369	0.0000	2,367.423 1	2,367.423 1	0.7175	0.0000	2,385.359 2
Maximum	26.1465	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.851 9	6,520.851 9	1.9532	0.0000	6,569.681 4

Valley Center 7+, UM - San Diego County, Summer

[illegible]

Valley Center 7+, UM - San Diego 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	398.3377	7.8012	498.7250	0.8670		67.1280	67.1280		67.1280	67.1280	7,026.2479	2,984.2896	10,010.5375	6.5198	0.5527	10,338.2282
Energy	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
Mobile	2.4864	12.7376	34.0845	0.1712	20.6781	0.0594	20.7375	5.5265	0.0554	5.5819		17,628.7006	17,628.7006	0.7735		17,648.0375
Total	401.1016	22.9104	533.8187	1.0533	20.6781	67.3792	88.0573	5.5265	67.3751	72.9017	7,026.2479	23,640.5419	30,666.7898	7.3513	0.6082	31,031.8087

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	398.3377	7.8012	498.7250	0.8670		67.1280	67.1280		67.1280	67.1280	7,026.2479	2,984.2896	10,010.5375	6.5198	0.5527	10,338.2282
Energy	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
Mobile	2.4864	12.7376	34.0845	0.1712	20.6781	0.0594	20.7375	5.5265	0.0554	5.5819		17,628.7006	17,628.7006	0.7735		17,648.0375
Total	401.1016	22.9104	533.8187	1.0533	20.6781	67.3792	88.0573	5.5265	67.3751	72.9017	7,026.2479	23,640.5419	30,666.7898	7.3513	0.6082	31,031.8087

Valley Center 7+, UM - San Diego 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	Architectural Coating	Architectural Coating	3/8/2025	8/8/2025	5	110	
2	Building Construction	Building Construction	10/27/2018	10/29/2018	5	1550	
3	Grading	Grading	3/24/2018	10/26/2018	5	155	
4	Paving	Paving	10/5/2024	3/7/2025	5	110	
5	Site Preparation	Site Preparation	1/1/2018	3/23/2018	5	60	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 387.5

Acres of Paving: 0

Residential Indoor: 922,185; Residential Outdoor: 307,395; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Valley Center 7+, UM - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	91.00	27.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Valley Center 7+, UM - San Diego County, Summer

3.2 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.9050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	26.0759	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0706	0.0425	0.5319	1.9300e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		192.8135	192.8135	4.4800e-003		192.9256
Total	0.0706	0.0425	0.5319	1.9300e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		192.8135	192.8135	4.4800e-003		192.9256

Valley Center 7+, UM - San Diego County, Summer

3.2 Architectural Coating - 2025**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	25.9050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	26.0759	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0706	0.0425	0.5319	1.9300e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		192.8135	192.8135	4.4800e-003		192.9256
Total	0.0706	0.0425	0.5319	1.9300e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		192.8135	192.8135	4.4800e-003		192.9256

Valley Center 7+, UM - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.1305	3.3865	0.8958	6.9500e-003	0.1653	0.0253	0.1906	0.0476	0.0242	0.0718		743.7181	743.7181	0.0609		745.2396
Worker	0.5359	0.4138	4.5794	0.0126	1.1624	8.0500e-003	1.1704	0.3082	7.4200e-003	0.3157		1,257.726 8	1,257.726 8	0.0419		1,258.773 7
Total	0.6664	3.8004	5.4752	0.0196	1.3277	0.0334	1.3610	0.3558	0.0316	0.3875		2,001.444 9	2,001.444 9	0.1027		2,004.013 3

Valley Center 7+, UM - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1305	3.3865	0.8958	6.9500e-003	0.1653	0.0253	0.1906	0.0476	0.0242	0.0718		743.7181	743.7181	0.0609		745.2396
Worker	0.5359	0.4138	4.5794	0.0126	1.1624	8.0500e-003	1.1704	0.3082	7.4200e-003	0.3157		1,257.726 8	1,257.726 8	0.0419		1,258.773 7
Total	0.6664	3.8004	5.4752	0.0196	1.3277	0.0334	1.3610	0.3558	0.0316	0.3875		2,001.444 9	2,001.444 9	0.1027		2,004.013 3

Valley Center 7+, UM - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536
Total	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536

Valley Center 7+, UM - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536
Total	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536

Valley Center 7+, UM - San Diego County, Summer

3.5 Paving - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0616	0.0384	0.4743	1.6800e-003	0.1916	1.2000e-003	0.1928	0.0508	1.1000e-003	0.0519		167.4566	167.4566	4.0500e-003		167.5578
Total	0.0616	0.0384	0.4743	1.6800e-003	0.1916	1.2000e-003	0.1928	0.0508	1.1000e-003	0.0519		167.4566	167.4566	4.0500e-003		167.5578

Valley Center 7+, UM - San Diego County, Summer

3.5 Paving - 2024**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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0616	0.0384	0.4743	1.6800e-003	0.1916	1.2000e-003	0.1928	0.0508	1.1000e-003	0.0519		167.4566	167.4566	4.0500e-003		167.5578
Total	0.0616	0.0384	0.4743	1.6800e-003	0.1916	1.2000e-003	0.1928	0.0508	1.1000e-003	0.0519		167.4566	167.4566	4.0500e-003		167.5578

Valley Center 7+, UM - San Diego County, Summer

3.5 Paving - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0588	0.0354	0.4433	1.6100e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0800e-003	0.0519		160.6779	160.6779	3.7400e-003		160.7714
Total	0.0588	0.0354	0.4433	1.6100e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0800e-003	0.0519		160.6779	160.6779	3.7400e-003		160.7714

Valley Center 7+, UM - San Diego County, Summer

3.5 Paving - 2025**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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0588	0.0354	0.4433	1.6100e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0800e-003	0.0519		160.6779	160.6779	3.7400e-003		160.7714
Total	0.0588	0.0354	0.4433	1.6100e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0800e-003	0.0519		160.6779	160.6779	3.7400e-003		160.7714

Valley Center 7+, UM - San Diego County, Summer

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882

Valley Center 7+, UM - San Diego County, Summer

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882

4.0 Operational Detail - Mobile

Valley Center 7+, UM - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4864	12.7376	34.0845	0.1712	20.6781	0.0594	20.7375	5.5265	0.0554	5.5819		17,628.7006	17,628.7006	0.7735		17,648.0375
Unmitigated	2.4864	12.7376	34.0845	0.1712	20.6781	0.0594	20.7375	5.5265	0.0554	5.5819		17,628.7006	17,628.7006	0.7735		17,648.0375

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	2,530.00	2,633.73	2289.65	9,290,445	9,290,445
Total	2,530.00	2,633.73	2,289.65	9,290,445	9,290,445

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	16.80	7.10	7.90	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

Valley Center 7+, UM - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
NaturalGas Unmitigated	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429

Valley Center 7+, UM - San Diego County, Summer

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	25734.2	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
Total		0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	25.7342	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
Total		0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429

6.0 Area Detail**6.1 Mitigation Measures Area**

Valley Center 7+, UM - San Diego 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	398.3377	7.8012	498.7250	0.8670		67.1280	67.1280		67.1280	67.1280	7,026.2479	2,984.2896	10,010.5375	6.5198	0.5527	10,338.2282
Unmitigated	398.3377	7.8012	498.7250	0.8670		67.1280	67.1280		67.1280	67.1280	7,026.2479	2,984.2896	10,010.5375	6.5198	0.5527	10,338.2282

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	0.7807					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.7456					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	387.1899	7.5614	477.9439	0.8659		67.0123	67.0123		67.0123	67.0123	7,026.2479	2,946.7059	9,972.9538	6.4841	0.5527	10,299.7502
Landscaping	0.6216	0.2399	20.7811	1.1000e-003		0.1158	0.1158		0.1158	0.1158		37.5837	37.5837	0.0358		38.4781
Total	398.3377	7.8012	498.7250	0.8670		67.1280	67.1280		67.1280	67.1280	7,026.2479	2,984.2896	10,010.5375	6.5198	0.5527	10,338.2282

Valley Center 7+, UM - San Diego 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	0.7807					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.7456					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	387.1899	7.5614	477.9439	0.8659		67.0123	67.0123		67.0123	67.0123	7,026.2479	2,946.7059	9,972.9538	6.4841	0.5527	10,299.7502
Landscaping	0.6216	0.2399	20.7811	1.1000e-003		0.1158	0.1158		0.1158	0.1158		37.5837	37.5837	0.0358		38.4781
Total	398.3377	7.8012	498.7250	0.8670		67.1280	67.1280		67.1280	67.1280	7,026.2479	2,984.2896	10,010.5375	6.5198	0.5527	10,338.2282

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Valley Center 7+, UM - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Valley Center 7+, M - San Diego County, Summer

Valley Center 7+, M
San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	253.00	Dwelling Unit	82.14	455,400.00	724

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

Valley Center 7+, M - San Diego County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	8/8/2025
tblConstructionPhase	PhaseEndDate	12/31/2017	10/29/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	10/26/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	3/7/2025
tblConstructionPhase	PhaseEndDate	12/31/2017	3/23/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	3/8/2025
tblConstructionPhase	PhaseStartDate	1/1/2018	10/27/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	3/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	10/5/2024
tblFireplaces	NumberGas	139.15	253.00
tblFireplaces	NumberNoFireplace	25.30	0.00
tblFireplaces	NumberWood	88.55	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41

Valley Center 7+, M - San Diego County, Summer

tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	12.65	0.00
tblWoodstoves	NumberNoncatalytic	12.65	0.00

2.0 Emissions Summary

Valley Center 7+, M - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2079	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.851 9	6,520.851 9	1.9532	0.0000	6,569.681 4
2024	1.0497	9.5630	15.1001	0.0245	0.1916	0.4697	0.6613	0.0508	0.4321	0.4830	0.0000	2,375.003 8	2,375.003 8	0.7180	0.0000	2,392.954 1
2025	26.1465	8.6171	15.0212	0.0244	0.2299	0.4197	0.6113	0.0610	0.3861	0.4369	0.0000	2,367.423 1	2,367.423 1	0.7175	0.0000	2,385.359 2
Maximum	26.1465	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.851 9	6,520.851 9	1.9532	0.0000	6,569.681 4

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2079	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.851 9	6,520.851 9	1.9532	0.0000	6,569.681 4
2024	1.0497	9.5630	15.1001	0.0245	0.1916	0.4697	0.6613	0.0508	0.4321	0.4830	0.0000	2,375.003 8	2,375.003 8	0.7180	0.0000	2,392.954 1
2025	26.1465	8.6171	15.0212	0.0244	0.2299	0.4197	0.6113	0.0610	0.3861	0.4369	0.0000	2,367.423 1	2,367.423 1	0.7175	0.0000	2,385.359 2
Maximum	26.1465	59.6127	36.0959	0.0648	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,520.851 9	6,520.851 9	1.9532	0.0000	6,569.681 4

Valley Center 7+, M - San Diego County, Summer

[illegible]

Valley Center 7+, M - San Diego 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	11.6389	4.4367	22.5670	0.0279		0.4551	0.4551		0.4551	0.4551	0.0000	5,395.2308	5,395.2308	0.1385	0.0982	5,427.9630
Energy	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
Mobile	2.4864	12.7376	34.0845	0.1712	20.6781	0.0594	20.7375	5.5265	0.0554	5.5819		17,628.7006	17,628.7006	0.7735		17,648.0375
Total	14.4028	19.5458	57.6607	0.2142	20.6781	0.7062	21.3844	5.5265	0.7022	6.2287	0.0000	26,051.4831	26,051.4831	0.9700	0.1537	26,121.5434

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	11.6389	4.4367	22.5670	0.0279		0.4551	0.4551		0.4551	0.4551	0.0000	5,395.2308	5,395.2308	0.1385	0.0982	5,427.9630
Energy	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
Mobile	2.4864	12.7376	34.0845	0.1712	20.6781	0.0594	20.7375	5.5265	0.0554	5.5819		17,628.7006	17,628.7006	0.7735		17,648.0375
Total	14.4028	19.5458	57.6607	0.2142	20.6781	0.7062	21.3844	5.5265	0.7022	6.2287	0.0000	26,051.4831	26,051.4831	0.9700	0.1537	26,121.5434

Valley Center 7+, M - San Diego 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	Architectural Coating	Architectural Coating	3/8/2025	8/8/2025	5	110	
2	Building Construction	Building Construction	10/27/2018	10/29/2018	5	1550	
3	Grading	Grading	3/24/2018	10/26/2018	5	155	
4	Paving	Paving	10/5/2024	3/7/2025	5	110	
5	Site Preparation	Site Preparation	1/1/2018	3/23/2018	5	60	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 387.5

Acres of Paving: 0

Residential Indoor: 922,185; Residential Outdoor: 307,395; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Valley Center 7+, M - San Diego County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	91.00	27.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Valley Center 7+, M - San Diego County, Summer

3.2 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.9050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	26.0759	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0706	0.0425	0.5319	1.9300e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		192.8135	192.8135	4.4800e-003		192.9256
Total	0.0706	0.0425	0.5319	1.9300e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		192.8135	192.8135	4.4800e-003		192.9256

Valley Center 7+, M - San Diego County, Summer

3.2 Architectural Coating - 2025**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	25.9050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	26.0759	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0706	0.0425	0.5319	1.9300e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		192.8135	192.8135	4.4800e-003		192.9256
Total	0.0706	0.0425	0.5319	1.9300e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		192.8135	192.8135	4.4800e-003		192.9256

Valley Center 7+, M - San Diego County, Summer

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.1305	3.3865	0.8958	6.9500e-003	0.1653	0.0253	0.1906	0.0476	0.0242	0.0718		743.7181	743.7181	0.0609		745.2396
Worker	0.5359	0.4138	4.5794	0.0126	1.1624	8.0500e-003	1.1704	0.3082	7.4200e-003	0.3157		1,257.726 8	1,257.726 8	0.0419		1,258.773 7
Total	0.6664	3.8004	5.4752	0.0196	1.3277	0.0334	1.3610	0.3558	0.0316	0.3875		2,001.444 9	2,001.444 9	0.1027		2,004.013 3

Valley Center 7+, M - San Diego County, Summer

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1305	3.3865	0.8958	6.9500e-003	0.1653	0.0253	0.1906	0.0476	0.0242	0.0718		743.7181	743.7181	0.0609		745.2396
Worker	0.5359	0.4138	4.5794	0.0126	1.1624	8.0500e-003	1.1704	0.3082	7.4200e-003	0.3157		1,257.726 8	1,257.726 8	0.0419		1,258.773 7
Total	0.6664	3.8004	5.4752	0.0196	1.3277	0.0334	1.3610	0.3558	0.0316	0.3875		2,001.444 9	2,001.444 9	0.1027		2,004.013 3

Valley Center 7+, M - San Diego County, Summer

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536
Total	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536

Valley Center 7+, M - San Diego County, Summer

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536
Total	0.1178	0.0910	1.0065	2.7800e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		276.4235	276.4235	9.2000e-003		276.6536

Valley Center 7+, M - San Diego County, Summer

3.5 Paving - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0616	0.0384	0.4743	1.6800e-003	0.1916	1.2000e-003	0.1928	0.0508	1.1000e-003	0.0519		167.4566	167.4566	4.0500e-003		167.5578
Total	0.0616	0.0384	0.4743	1.6800e-003	0.1916	1.2000e-003	0.1928	0.0508	1.1000e-003	0.0519		167.4566	167.4566	4.0500e-003		167.5578

Valley Center 7+, M - San Diego County, Summer

3.5 Paving - 2024**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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0616	0.0384	0.4743	1.6800e-003	0.1916	1.2000e-003	0.1928	0.0508	1.1000e-003	0.0519		167.4566	167.4566	4.0500e-003		167.5578
Total	0.0616	0.0384	0.4743	1.6800e-003	0.1916	1.2000e-003	0.1928	0.0508	1.1000e-003	0.0519		167.4566	167.4566	4.0500e-003		167.5578

Valley Center 7+, M - San Diego County, Summer

3.5 Paving - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0588	0.0354	0.4433	1.6100e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0800e-003	0.0519		160.6779	160.6779	3.7400e-003		160.7714
Total	0.0588	0.0354	0.4433	1.6100e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0800e-003	0.0519		160.6779	160.6779	3.7400e-003		160.7714

Valley Center 7+, M - San Diego County, Summer

3.5 Paving - 2025**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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0588	0.0354	0.4433	1.6100e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0800e-003	0.0519		160.6779	160.6779	3.7400e-003		160.7714
Total	0.0588	0.0354	0.4433	1.6100e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0800e-003	0.0519		160.6779	160.6779	3.7400e-003		160.7714

Valley Center 7+, M - San Diego County, Summer

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882

Valley Center 7+, M - San Diego County, Summer

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882
Total	0.1060	0.0819	0.9058	2.5000e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		248.7811	248.7811	8.2800e-003		248.9882

4.0 Operational Detail - Mobile

Valley Center 7+, M - San Diego County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4864	12.7376	34.0845	0.1712	20.6781	0.0594	20.7375	5.5265	0.0554	5.5819		17,628.7006	17,628.7006	0.7735		17,648.0375
Unmitigated	2.4864	12.7376	34.0845	0.1712	20.6781	0.0594	20.7375	5.5265	0.0554	5.5819		17,628.7006	17,628.7006	0.7735		17,648.0375

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	2,530.00	2,633.73	2289.65	9,290,445	9,290,445
Total	2,530.00	2,633.73	2,289.65	9,290,445	9,290,445

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	16.80	7.10	7.90	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

Valley Center 7+, M - San Diego County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
NaturalGas Unmitigated	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429

Valley Center 7+, M - San Diego County, Summer

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	25734.2	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
Total		0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	25.7342	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
Total		0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429

6.0 Area Detail**6.1 Mitigation Measures Area**

Valley Center 7+, M - San Diego 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	11.6389	4.4367	22.5670	0.0279		0.4551	0.4551		0.4551	0.4551	0.0000	5,395.2308	5,395.2308	0.1385	0.0982	5,427.9630
Unmitigated	11.6389	4.4367	22.5670	0.0279		0.4551	0.4551		0.4551	0.4551	0.0000	5,395.2308	5,395.2308	0.1385	0.0982	5,427.9630

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	0.7807					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.7456					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4911	4.1968	1.7859	0.0268		0.3393	0.3393		0.3393	0.3393	0.0000	5,357.6471	5,357.6471	0.1027	0.0982	5,389.4849
Landscaping	0.6216	0.2399	20.7811	1.1000e-003		0.1158	0.1158		0.1158	0.1158		37.5837	37.5837	0.0358		38.4781
Total	11.6389	4.4367	22.5670	0.0279		0.4551	0.4551		0.4551	0.4551	0.0000	5,395.2308	5,395.2308	0.1385	0.0982	5,427.9630

Valley Center 7+, M - San Diego 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	0.7807					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.7456					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4911	4.1968	1.7859	0.0268		0.3393	0.3393		0.3393	0.3393	0.0000	5,357.647 1	5,357.647 1	0.1027	0.0982	5,389.484 9
Landscaping	0.6216	0.2399	20.7811	1.1000e-003		0.1158	0.1158		0.1158	0.1158		37.5837	37.5837	0.0358		38.4781
Total	11.6389	4.4367	22.5670	0.0279		0.4551	0.4551		0.4551	0.4551	0.0000	5,395.230 8	5,395.230 8	0.1385	0.0982	5,427.963 0

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Valley Center 7+, M - San Diego County, Summer

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Valley Center 7+, UM - San Diego County, Winter

Valley Center 7+, UM
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	253.00	Dwelling Unit	82.14	455,400.00	724

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	720.49	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 -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Valley Center 7+, UM - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	8/8/2025
tblConstructionPhase	PhaseEndDate	12/31/2017	10/29/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	10/26/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	3/7/2025
tblConstructionPhase	PhaseEndDate	12/31/2017	3/23/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	3/8/2025
tblConstructionPhase	PhaseStartDate	1/1/2018	10/27/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	3/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	10/5/2024
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41
tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00

2.0 Emissions Summary

Valley Center 7+, UM - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2262	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.828 7	6,503.828 7	1.9527	0.0000	6,552.644 7
2024	1.0603	9.5676	15.0604	0.0244	0.1916	0.4697	0.6613	0.0508	0.4321	0.4830	0.0000	2,364.695 2	2,364.695 2	0.7177	0.0000	2,382.638 7
2025	26.1589	8.6213	14.9837	0.0243	0.2299	0.4197	0.6113	0.0610	0.3861	0.4369	0.0000	2,357.537 5	2,357.537 5	0.7172	0.0000	2,375.467 2
Maximum	26.1589	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.828 7	6,503.828 7	1.9527	0.0000	6,552.644 7

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2262	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.828 7	6,503.828 7	1.9527	0.0000	6,552.644 7
2024	1.0603	9.5676	15.0604	0.0244	0.1916	0.4697	0.6613	0.0508	0.4321	0.4830	0.0000	2,364.695 2	2,364.695 2	0.7177	0.0000	2,382.638 7
2025	26.1589	8.6213	14.9837	0.0243	0.2299	0.4197	0.6113	0.0610	0.3861	0.4369	0.0000	2,357.537 5	2,357.537 5	0.7172	0.0000	2,375.467 2
Maximum	26.1589	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.828 7	6,503.828 7	1.9527	0.0000	6,552.644 7

Valley Center 7+, UM - San Diego County, Winter

[illegible]

Valley Center 7+, UM - San Diego 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	398.3377	7.8012	498.7250	0.8670		67.1280	67.1280		67.1280	67.1280	7,026.2479	2,984.2896	10,010.5375	6.5198	0.5527	10,338.2282
Energy	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
Mobile	2.4358	12.9698	32.8992	0.1630	20.6781	0.0595	20.7376	5.5265	0.0554	5.5820		16,802.0670	16,802.0670	0.7753		16,821.4506
Total	401.0510	23.1426	532.6335	1.0451	20.6781	67.3793	88.0574	5.5265	67.3752	72.9017	7,026.2479	22,813.9084	29,840.1562	7.3532	0.6082	30,205.2217

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	398.3377	7.8012	498.7250	0.8670		67.1280	67.1280		67.1280	67.1280	7,026.2479	2,984.2896	10,010.5375	6.5198	0.5527	10,338.2282
Energy	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
Mobile	2.4358	12.9698	32.8992	0.1630	20.6781	0.0595	20.7376	5.5265	0.0554	5.5820		16,802.0670	16,802.0670	0.7753		16,821.4506
Total	401.0510	23.1426	532.6335	1.0451	20.6781	67.3793	88.0574	5.5265	67.3752	72.9017	7,026.2479	22,813.9084	29,840.1562	7.3532	0.6082	30,205.2217

Valley Center 7+, UM - San Diego 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	Architectural Coating	Architectural Coating	3/8/2025	8/8/2025	5	110	
2	Building Construction	Building Construction	10/27/2018	10/29/2018	5	1550	
3	Grading	Grading	3/24/2018	10/26/2018	5	155	
4	Paving	Paving	10/5/2024	3/7/2025	5	110	
5	Site Preparation	Site Preparation	1/1/2018	3/23/2018	5	60	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 387.5

Acres of Paving: 0

Residential Indoor: 922,185; Residential Outdoor: 307,395; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Valley Center 7+, UM - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	91.00	27.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Valley Center 7+, UM - San Diego County, Winter

3.2 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.9050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	26.0759	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0830	0.0476	0.4869	1.8100e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		180.9508	180.9508	4.1800e-003		181.0553
Total	0.0830	0.0476	0.4869	1.8100e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		180.9508	180.9508	4.1800e-003		181.0553

Valley Center 7+, UM - San Diego County, Winter

3.2 Architectural Coating - 2025**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	25.9050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	26.0759	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0830	0.0476	0.4869	1.8100e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		180.9508	180.9508	4.1800e-003		181.0553
Total	0.0830	0.0476	0.4869	1.8100e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		180.9508	180.9508	4.1800e-003		181.0553

Valley Center 7+, UM - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.1363	3.3866	0.9965	6.7600e-003	0.1653	0.0258	0.1911	0.0476	0.0247	0.0723		723.4899	723.4899	0.0650		725.1142
Worker	0.6191	0.4645	4.2560	0.0119	1.1624	8.0500e-003	1.1704	0.3082	7.4200e-003	0.3157		1,180.271 3	1,180.271 3	0.0394		1,181.257 1
Total	0.7554	3.8511	5.2524	0.0186	1.3277	0.0338	1.3615	0.3558	0.0321	0.3879		1,903.761 2	1,903.761 2	0.1044		1,906.371 3

Valley Center 7+, UM - San Diego County, Winter

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1363	3.3866	0.9965	6.7600e-003	0.1653	0.0258	0.1911	0.0476	0.0247	0.0723		723.4899	723.4899	0.0650		725.1142
Worker	0.6191	0.4645	4.2560	0.0119	1.1624	8.0500e-003	1.1704	0.3082	7.4200e-003	0.3157		1,180.271 3	1,180.271 3	0.0394		1,181.257 1
Total	0.7554	3.8511	5.2524	0.0186	1.3277	0.0338	1.3615	0.3558	0.0321	0.3879		1,903.761 2	1,903.761 2	0.1044		1,906.371 3

Valley Center 7+, UM - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169
Total	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169

Valley Center 7+, UM - San Diego County, Winter

3.4 Grading - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195	0.0000	6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169
Total	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169

Valley Center 7+, UM - San Diego County, Winter

3.5 Paving - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0722	0.0430	0.4346	1.5800e-003	0.1916	1.2000e-003	0.1928	0.0508	1.1000e-003	0.0519		157.1480	157.1480	3.7700e-003		157.2423
Total	0.0722	0.0430	0.4346	1.5800e-003	0.1916	1.2000e-003	0.1928	0.0508	1.1000e-003	0.0519		157.1480	157.1480	3.7700e-003		157.2423

Valley Center 7+, UM - San Diego County, Winter

3.5 Paving - 2024**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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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	0.0722	0.0430	0.4346	1.5800e-003	0.1916	1.2000e-003	0.1928	0.0508	1.1000e-003	0.0519		157.1480	157.1480	3.7700e-003		157.2423
Total	0.0722	0.0430	0.4346	1.5800e-003	0.1916	1.2000e-003	0.1928	0.0508	1.1000e-003	0.0519		157.1480	157.1480	3.7700e-003		157.2423

Valley Center 7+, UM - San Diego County, Winter

3.5 Paving - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0692	0.0397	0.4058	1.5100e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0800e-003	0.0519		150.7923	150.7923	3.4800e-003		150.8794
Total	0.0692	0.0397	0.4058	1.5100e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0800e-003	0.0519		150.7923	150.7923	3.4800e-003		150.8794

Valley Center 7+, UM - San Diego County, Winter

3.5 Paving - 2025**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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0692	0.0397	0.4058	1.5100e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0800e-003	0.0519		150.7923	150.7923	3.4800e-003		150.8794
Total	0.0692	0.0397	0.4058	1.5100e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0800e-003	0.0519		150.7923	150.7923	3.4800e-003		150.8794

Valley Center 7+, UM - San Diego County, Winter

3.6 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553

Valley Center 7+, UM - San Diego County, Winter

3.6 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.623 9	3,831.623 9	1.1928		3,861.444 8

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	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553
Total	0.1225	0.0919	0.8418	2.3400e-003	0.2299	1.5900e-003	0.2315	0.0610	1.4700e-003	0.0624		233.4603	233.4603	7.8000e-003		233.6553

4.0 Operational Detail - Mobile

Valley Center 7+, UM - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4358	12.9698	32.8992	0.1630	20.6781	0.0595	20.7376	5.5265	0.0554	5.5820		16,802.0670	16,802.0670	0.7753		16,821.4506
Unmitigated	2.4358	12.9698	32.8992	0.1630	20.6781	0.0595	20.7376	5.5265	0.0554	5.5820		16,802.0670	16,802.0670	0.7753		16,821.4506

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	2,530.00	2,633.73	2289.65	9,290,445	9,290,445
Total	2,530.00	2,633.73	2,289.65	9,290,445	9,290,445

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	16.80	7.10	7.90	41.60	18.80	39.60	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	0.615011	0.035959	0.175734	0.096057	0.010793	0.005300	0.020678	0.029891	0.002015	0.001593	0.005502	0.000799	0.000668

Valley Center 7+, UM - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
NaturalGas Unmitigated	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429

Valley Center 7+, UM - San Diego County, Winter

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	25734.2	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
Total		0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	25.7342	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
Total		0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429

6.0 Area Detail**6.1 Mitigation Measures Area**

Valley Center 7+, UM - San Diego 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	398.3377	7.8012	498.7250	0.8670		67.1280	67.1280		67.1280	67.1280	7,026.2479	2,984.2896	10,010.5375	6.5198	0.5527	10,338.2282
Unmitigated	398.3377	7.8012	498.7250	0.8670		67.1280	67.1280		67.1280	67.1280	7,026.2479	2,984.2896	10,010.5375	6.5198	0.5527	10,338.2282

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	0.7807					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.7456					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	387.1899	7.5614	477.9439	0.8659		67.0123	67.0123		67.0123	67.0123	7,026.2479	2,946.7059	9,972.9538	6.4841	0.5527	10,299.7502
Landscaping	0.6216	0.2399	20.7811	1.1000e-003		0.1158	0.1158		0.1158	0.1158		37.5837	37.5837	0.0358		38.4781
Total	398.3377	7.8012	498.7250	0.8670		67.1280	67.1280		67.1280	67.1280	7,026.2479	2,984.2896	10,010.5375	6.5198	0.5527	10,338.2282

Valley Center 7+, UM - San Diego 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	0.7807					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.7456					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	387.1899	7.5614	477.9439	0.8659		67.0123	67.0123		67.0123	67.0123	7,026.2479	2,946.7059	9,972.9538	6.4841	0.5527	10,299.7502
Landscaping	0.6216	0.2399	20.7811	1.1000e-003		0.1158	0.1158		0.1158	0.1158		37.5837	37.5837	0.0358		38.4781
Total	398.3377	7.8012	498.7250	0.8670		67.1280	67.1280		67.1280	67.1280	7,026.2479	2,984.2896	10,010.5375	6.5198	0.5527	10,338.2282

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Valley Center 7+, UM - San Diego County, Winter

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Valley Center 7+, M - San Diego County, Winter

Valley Center 7+, M
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	253.00	Dwelling Unit	82.14	455,400.00	724

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	10			Operational Year	2050
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Architectural Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Vehicle Trips - Using SANDAG Weekday rate

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Effective 1/1/2016, SDAPCD Rule 67.0.1 (Architectural Coating)

Woodstoves - Mitigation of 100% NG

Valley Center 7+, M - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstructionPhase	PhaseEndDate	12/31/2017	8/8/2025
tblConstructionPhase	PhaseEndDate	12/31/2017	10/29/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	10/26/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	3/7/2025
tblConstructionPhase	PhaseEndDate	12/31/2017	3/23/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	3/8/2025
tblConstructionPhase	PhaseStartDate	1/1/2018	10/27/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	3/24/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	10/5/2024
tblFireplaces	NumberGas	139.15	253.00
tblFireplaces	NumberNoFireplace	25.30	0.00
tblFireplaces	NumberWood	88.55	0.00
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	9.91	10.41

Valley Center 7+, M - San Diego County, Winter

tblVehicleTrips	SU_TR	8.62	9.05
tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	12.65	0.00
tblWoodstoves	NumberNoncatalytic	12.65	0.00

2.0 Emissions Summary

Valley Center 7+, M - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2262	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.828 7	6,503.828 7	1.9527	0.0000	6,552.644 7
2024	1.0603	9.5676	15.0604	0.0244	0.1916	0.4697	0.6613	0.0508	0.4321	0.4830	0.0000	2,364.695 2	2,364.695 2	0.7177	0.0000	2,382.638 7
2025	26.1589	8.6213	14.9837	0.0243	0.2299	0.4197	0.6113	0.0610	0.3861	0.4369	0.0000	2,357.537 5	2,357.537 5	0.7172	0.0000	2,375.467 2
Maximum	26.1589	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.828 7	6,503.828 7	1.9527	0.0000	6,552.644 7

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	5.2262	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.828 7	6,503.828 7	1.9527	0.0000	6,552.644 7
2024	1.0603	9.5676	15.0604	0.0244	0.1916	0.4697	0.6613	0.0508	0.4321	0.4830	0.0000	2,364.695 2	2,364.695 2	0.7177	0.0000	2,382.638 7
2025	26.1589	8.6213	14.9837	0.0243	0.2299	0.4197	0.6113	0.0610	0.3861	0.4369	0.0000	2,357.537 5	2,357.537 5	0.7172	0.0000	2,375.467 2
Maximum	26.1589	59.6239	36.0248	0.0646	18.2962	2.6355	20.8747	9.9917	2.4247	12.3639	0.0000	6,503.828 7	6,503.828 7	1.9527	0.0000	6,552.644 7

Valley Center 7+, M - San Diego County, Winter

[illegible]

Valley Center 7+, M - San Diego 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	11.6389	4.4367	22.5670	0.0279		0.4551	0.4551		0.4551	0.4551	0.0000	5,395.2308	5,395.2308	0.1385	0.0982	5,427.9630
Energy	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
Mobile	2.4358	12.9698	32.8992	0.1630	20.6781	0.0595	20.7376	5.5265	0.0554	5.5820		16,802.0670	16,802.0670	0.7753		16,821.4506
Total	14.3522	19.7781	56.4754	0.2060	20.6781	0.7063	21.3844	5.5265	0.7022	6.2288	0.0000	25,224.8495	25,224.8495	0.9718	0.1537	25,294.9564

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	11.6389	4.4367	22.5670	0.0279		0.4551	0.4551		0.4551	0.4551	0.0000	5,395.2308	5,395.2308	0.1385	0.0982	5,427.9630
Energy	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3,027.5517	3,027.5517	0.0580	0.0555	3,045.5429
Mobile	2.4358	12.9698	32.8992	0.1630	20.6781	0.0595	20.7376	5.5265	0.0554	5.5820		16,802.0670	16,802.0670	0.7753		16,821.4506
Total	14.3522	19.7781	56.4754	0.2060	20.6781	0.7063	21.3844	5.5265	0.7022	6.2288	0.0000	25,224.8495	25,224.8495	0.9718	0.1537	25,294.9564

Valley Center 7+, M - San Diego 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	Architectural Coating	Architectural Coating	3/8/2025	8/8/2025	5	110	
2	Building Construction	Building Construction	10/27/2018	10/29/2018	5	1550	
3	Grading	Grading	3/24/2018	10/26/2018	5	155	
4	Paving	Paving	10/5/2024	3/7/2025	5	110	
5	Site Preparation	Site Preparation	1/1/2018	3/23/2018	5	60	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 387.5

Acres of Paving: 0

Residential Indoor: 922,185; Residential Outdoor: 307,395; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Valley Center 7+, M - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	91.00	27.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Valley Center 7+, M - San Diego County, Winter

3.2 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.9050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	26.0759	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0830	0.0476	0.4869	1.8100e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		180.9508	180.9508	4.1800e-003		181.0553
Total	0.0830	0.0476	0.4869	1.8100e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		180.9508	180.9508	4.1800e-003		181.0553

Valley Center 7+, M - San Diego County, Winter

3.2 Architectural Coating - 2025**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	25.9050					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	26.0759	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0830	0.0476	0.4869	1.8100e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		180.9508	180.9508	4.1800e-003		181.0553
Total	0.0830	0.0476	0.4869	1.8100e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		180.9508	180.9508	4.1800e-003		181.0553

Valley Center 7+, M - San Diego County, Winter

3.3 Building Construction - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

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	0.1363	3.3866	0.9965	6.7600e-003	0.1653	0.0258	0.1911	0.0476	0.0247	0.0723		723.4899	723.4899	0.0650		725.1142
Worker	0.6191	0.4645	4.2560	0.0119	1.1624	8.0500e-003	1.1704	0.3082	7.4200e-003	0.3157		1,180.271 3	1,180.271 3	0.0394		1,181.257 1
Total	0.7554	3.8511	5.2524	0.0186	1.3277	0.0338	1.3615	0.3558	0.0321	0.3879		1,903.761 2	1,903.761 2	0.1044		1,906.371 3

Valley Center 7+, M - San Diego County, Winter

3.3 Building Construction - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1363	3.3866	0.9965	6.7600e-003	0.1653	0.0258	0.1911	0.0476	0.0247	0.0723		723.4899	723.4899	0.0650		725.1142
Worker	0.6191	0.4645	4.2560	0.0119	1.1624	8.0500e-003	1.1704	0.3082	7.4200e-003	0.3157		1,180.271 3	1,180.271 3	0.0394		1,181.257 1
Total	0.7554	3.8511	5.2524	0.0186	1.3277	0.0338	1.3615	0.3558	0.0321	0.3879		1,903.761 2	1,903.761 2	0.1044		1,906.371 3

Valley Center 7+, M - San Diego County, Winter

3.4 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.428 4	6,244.428 4	1.9440		6,293.027 8
Total	5.0901	59.5218	35.0894	0.0620	8.6733	2.6337	11.3071	3.5965	2.4230	6.0195		6,244.428 4	6,244.428 4	1.9440		6,293.027 8

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	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169
Total	0.1361	0.1021	0.9354	2.6000e-003	0.2555	1.7700e-003	0.2572	0.0678	1.6300e-003	0.0694		259.4003	259.4003	8.6700e-003		259.6169