

Fallbrook 21+, UM - San Diego County, Winter

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.3300e-003		129.8085
<b>Total</b>	<b>0.0680</b>	<b>0.0511</b>	<b>0.4677</b>	<b>1.3000e-003</b>	<b>0.1277</b>	<b>8.8000e-004</b>	<b>0.1286</b>	<b>0.0339</b>	<b>8.2000e-004</b>	<b>0.0347</b>		<b>129.7001</b>	<b>129.7001</b>	<b>4.3300e-003</b>		<b>129.8085</b>

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**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

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

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**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

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

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2,468.413	0.7685		2,487.624
<b>Total</b>	<b>1.8995</b>	<b>23.6201</b>	<b>12.7461</b>	<b>0.0245</b>	<b>1.5908</b>	<b>0.9540</b>	<b>2.5448</b>	<b>0.1718</b>	<b>0.8777</b>	<b>1.0494</b>		<b>2,468.413</b>	<b>2,468.413</b>	<b>0.7685</b>		<b>2,487.624</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0544</b>	<b>0.0408</b>	<b>0.3742</b>	<b>1.0400e-003</b>	<b>0.1022</b>	<b>7.1000e-004</b>	<b>0.1029</b>	<b>0.0271</b>	<b>6.5000e-004</b>	<b>0.0278</b>		<b>103.7601</b>	<b>103.7601</b>	<b>3.4700e-003</b>		<b>103.8468</b>

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**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0544</b>	<b>0.0408</b>	<b>0.3742</b>	<b>1.0400e-003</b>	<b>0.1022</b>	<b>7.1000e-004</b>	<b>0.1029</b>	<b>0.0271</b>	<b>6.5000e-004</b>	<b>0.0278</b>		<b>103.7601</b>	<b>103.7601</b>	<b>3.4700e-003</b>		<b>103.8468</b>

**4.0 Operational Detail - Mobile**

Fallbrook 21+, UM - San Diego County, Winter

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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	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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	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	5.3100e-003	5.3100e-003	83.7663	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	5.3100e-003	5.3100e-003	83.7663	83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640

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**5.2 Energy by Land Use - NaturalGas**

Unmitigated

Land Use	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
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	5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640
<b>Total</b>		<b>7.6800e-003</b>	<b>0.0656</b>	<b>0.0279</b>	<b>4.2000e-004</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>		<b>83.7663</b>	<b>83.7663</b>	<b>1.6100e-003</b>	<b>1.5400e-003</b>	<b>84.2640</b>

Mitigated

Land Use	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
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	5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640
<b>Total</b>		<b>7.6800e-003</b>	<b>0.0656</b>	<b>0.0279</b>	<b>4.2000e-004</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>		<b>83.7663</b>	<b>83.7663</b>	<b>1.6100e-003</b>	<b>1.5400e-003</b>	<b>84.2640</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



Fallbrook 21+, UM - San Diego County, Winter

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	11.0212	0.2158	13.7987	0.0240	1.8573	1.8573	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	1.8573	1.8573	194.4021	82.5693	276.9714	0.1804	0.0153	286.0379

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0216				0.0000	0.0000	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			0.0000			0.0000
Hearth	10.7128	0.2092	13.2237	0.0240	1.8541	1.8541	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	3.2000e-003	3.2000e-003	1.0399	1.0399	1.0399	9.9000e-004		1.0646
<b>Total</b>	<b>11.0212</b>	<b>0.2159</b>	<b>13.7987</b>	<b>0.0240</b>	<b>1.8573</b>	<b>1.8573</b>	<b>1.8573</b>	<b>1.8573</b>	<b>1.8573</b>	<b>1.8573</b>	<b>194.4021</b>	<b>82.5693</b>	<b>276.9714</b>	<b>0.1804</b>	<b>0.0153</b>	<b>286.0379</b>

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**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0216				0.0000	0.0000	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			0.0000			0.0000
Hearth	10.7128	0.2092	13.2237	0.0240	1.8541	1.8541	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	3.2000e-003	3.2000e-003	1.0399	1.0399	1.0399	9.9000e-004		1.0646
<b>Total</b>	<b>11.0212</b>	<b>0.2159</b>	<b>13.7987</b>	<b>0.0240</b>	<b>1.8573</b>	<b>1.8573</b>	<b>1.8573</b>	<b>1.8573</b>	<b>1.8573</b>	<b>1.8573</b>	<b>194.4021</b>	<b>82.5693</b>	<b>276.9714</b>	<b>0.1804</b>	<b>0.0153</b>	<b>286.0379</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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Fallbrook 21+, M - San Diego County, Winter

**Fallbrook 21+, 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	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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tbiWoodstoves	NumberNoncatalytic	0.35	0.00
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## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

Year	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Maximum</b>	<b>8.1896</b>	<b>24.3405</b>	<b>15.8955</b>	<b>0.0257</b>	<b>6.6801</b>	<b>1.2587</b>	<b>7.8493</b>	<b>3.4014</b>	<b>1.2063</b>	<b>4.4770</b>	<b>0.0000</b>	<b>2.572.173 3</b>	<b>2.572.173 3</b>	<b>0.7719</b>	<b>0.0000</b>	<b>2,591.471 2</b>

#### Mitigated Construction

Year	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Maximum</b>	<b>8.1896</b>	<b>24.3405</b>	<b>15.8955</b>	<b>0.0257</b>	<b>6.6801</b>	<b>1.2587</b>	<b>7.8493</b>	<b>3.4014</b>	<b>1.2063</b>	<b>4.4770</b>	<b>0.0000</b>	<b>2.572.173 3</b>	<b>2.572.173 3</b>	<b>0.7719</b>	<b>0.0000</b>	<b>2,591.471 2</b>



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**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.3220	0.1228	0.6244	7.7000e-004	0.0126	0.0126	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	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
<b>Total</b>	<b>0.3971</b>	<b>0.5472</b>	<b>1.5626</b>	<b>5.7000e-003</b>	<b>0.5721</b>	<b>0.0196</b>	<b>0.5917</b>	<b>0.1529</b>	<b>0.0194</b>	<b>0.1723</b>	<b>0.0000</b>	<b>697.9207</b>	<b>697.9207</b>	<b>0.0269</b>	<b>4.2600e-003</b>	<b>699.8605</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.3220	0.1228	0.6244	7.7000e-004	0.0126	0.0126	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	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
<b>Total</b>	<b>0.3971</b>	<b>0.5472</b>	<b>1.5626</b>	<b>5.7000e-003</b>	<b>0.5721</b>	<b>0.0196</b>	<b>0.5917</b>	<b>0.1529</b>	<b>0.0194</b>	<b>0.1723</b>	<b>0.0000</b>	<b>697.9207</b>	<b>697.9207</b>	<b>0.0269</b>	<b>4.2600e-003</b>	<b>699.8605</b>



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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
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**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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

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**3.1 Mitigation Measures Construction**

**3.2 Architectural Coating - 2018**  
Unmitigated Construction On-Site

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

**Unmitigated Construction Off-Site**

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

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**3.2 Architectural Coating - 2018**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	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
<b>Total</b>	<b>8.1828</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.1171</b>

**Mitigated Construction Off-Site**

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

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.9127	20.7077	15.7183	0.0250	1.2575	1.2575	1.2575	1.2051	1.2051	1.2051	2,329.775 <sub>9</sub>	2,329.775 <sub>9</sub>	2,329.775 <sub>9</sub>	0.5019		2,342.323 <sub>2</sub>
<b>Total</b>	<b>2.9127</b>	<b>20.7077</b>	<b>15.7183</b>	<b>0.0250</b>	<b>1.2575</b>	<b>1.2575</b>	<b>1.2575</b>	<b>1.2051</b>	<b>1.2051</b>	<b>1.2051</b>	<b>2,329.775<sub>9</sub></b>	<b>2,329.775<sub>9</sub></b>	<b>2,329.775<sub>9</sub></b>	<b>0.5019</b>		<b>2,342.323<sub>2</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	1.3000e-003		38.9425
<b>Total</b>	<b>0.0255</b>	<b>0.1407</b>	<b>0.1772</b>	<b>6.4000e-004</b>	<b>0.0444</b>	<b>1.2200e-003</b>	<b>0.0457</b>	<b>0.0119</b>	<b>1.1500e-003</b>	<b>0.0131</b>			<b>65.7060</b>	<b>3.7100e-003</b>		<b>65.7986</b>

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.9127	20.7077	15.7183	0.0250	1.2575	1.2575	1.2575	1.2051	1.2051	1.2051	0.0000	2.329.775 <sub>9</sub>	2.329.775 <sub>9</sub>	0.5019		2.342.323 <sub>2</sub>
<b>Total</b>	<b>2.9127</b>	<b>20.7077</b>	<b>15.7183</b>	<b>0.0250</b>	<b>1.2575</b>	<b>1.2575</b>	<b>1.2575</b>	<b>1.2051</b>	<b>1.2051</b>	<b>1.2051</b>	<b>0.0000</b>	<b>2.329.775<sub>9</sub></b>	<b>2.329.775<sub>9</sub></b>	<b>0.5019</b>		<b>2.342.323<sub>2</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0255</b>	<b>0.1407</b>	<b>0.1772</b>	<b>6.4000e-004</b>	<b>0.0444</b>	<b>1.2200e-003</b>	<b>0.0457</b>	<b>0.0119</b>	<b>1.1500e-003</b>	<b>0.0131</b>		<b>65.7060</b>	<b>65.7060</b>	<b>3.7100e-003</b>		<b>65.7986</b>

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**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.1683	1.0748	1.0748	1.0748		2,077.4666	2,077.4666	0.6467		2,093.6352
<b>Total</b>	<b>2.1515</b>	<b>24.2895</b>	<b>10.3804</b>	<b>0.0206</b>	<b>6.5523</b>	<b>1.1683</b>	<b>7.7206</b>	<b>3.3675</b>	<b>1.0748</b>	<b>4.4423</b>		<b>2,077.4666</b>	<b>2,077.4666</b>	<b>0.6467</b>		<b>2,093.6352</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0680</b>	<b>0.0511</b>	<b>0.4677</b>	<b>1.3000e-003</b>	<b>0.1277</b>	<b>8.8000e-004</b>	<b>0.1286</b>	<b>0.0339</b>	<b>8.2000e-004</b>	<b>0.0347</b>		<b>129.7001</b>	<b>129.7001</b>	<b>4.3300e-003</b>		<b>129.8085</b>

Fallbrook 21+, M - San Diego County, Winter

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.3300e-003		129.8085
<b>Total</b>	<b>0.0680</b>	<b>0.0511</b>	<b>0.4677</b>	<b>1.3000e-003</b>	<b>0.1277</b>	<b>8.8000e-004</b>	<b>0.1286</b>	<b>0.0339</b>	<b>8.2000e-004</b>	<b>0.0347</b>		<b>129.7001</b>	<b>129.7001</b>	<b>4.3300e-003</b>		<b>129.8085</b>



Fallbrook 21+, M - San Diego County, Winter

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

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

Fallbrook 21+, M - San Diego County, Winter

**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

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



Fallbrook 21+, M - San Diego County, Winter

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0544</b>	<b>0.0408</b>	<b>0.3742</b>	<b>1.0400e-003</b>	<b>0.1022</b>	<b>7.1000e-004</b>	<b>0.1029</b>	<b>0.0271</b>	<b>6.5000e-004</b>	<b>0.0278</b>		<b>103.7601</b>	<b>103.7601</b>	<b>3.4700e-003</b>		<b>103.8468</b>

**4.0 Operational Detail - Mobile**

Fallbrook 21+, M - San Diego County, Winter

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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

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

Unmitigated

Land Use	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640
<b>Total</b>		<b>7.6800e-003</b>	<b>0.0656</b>	<b>0.0279</b>	<b>4.2000e-004</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>		<b>83.7663</b>	<b>83.7663</b>	<b>1.6100e-003</b>	<b>1.5400e-003</b>	<b>84.2640</b>

Mitigated

Land Use	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	5.3100e-003	5.3100e-003		83.7663	83.7663	1.6100e-003	1.5400e-003	84.2640
<b>Total</b>		<b>7.6800e-003</b>	<b>0.0656</b>	<b>0.0279</b>	<b>4.2000e-004</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>	<b>5.3100e-003</b>		<b>83.7663</b>	<b>83.7663</b>	<b>1.6100e-003</b>	<b>1.5400e-003</b>	<b>84.2640</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Fallbrook 21+, M - San Diego County, Winter

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	0.3220	0.1228	0.6244	7.7000e-004	0.0126	0.0126	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	0.0126	0.0126	0.0000	149.2752	149.2752	3.8300e-003	2.7200e-003	150.1808

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0216				0.0000	0.0000	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			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	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	3.2000e-003	3.2000e-003	1.0399	1.0399	1.0399	9.9000e-004		1.0646
<b>Total</b>	<b>0.3220</b>	<b>0.1228</b>	<b>0.6244</b>	<b>7.7000e-004</b>	<b>0.0126</b>	<b>0.0126</b>	<b>0.0126</b>	<b>0.0126</b>	<b>0.0126</b>	<b>0.0126</b>	<b>0.0000</b>	<b>149.2752</b>	<b>149.2752</b>	<b>3.8300e-003</b>	<b>2.7200e-003</b>	<b>150.1808</b>



Fallbrook 21+, M - San Diego County, Winter

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0216				0.0000	0.0000	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			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	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	3.2000e-003	3.2000e-003	1.0399	1.0399	1.0399	9.9000e-004		1.0646
<b>Total</b>	<b>0.3220</b>	<b>0.1228</b>	<b>0.6244</b>	<b>7.7000e-004</b>	<b>0.0126</b>	<b>0.0126</b>	<b>0.0126</b>	<b>0.0126</b>	<b>0.0126</b>	<b>0.0126</b>	<b>0.0000</b>	<b>149.2752</b>	<b>149.2752</b>	<b>3.8300e-003</b>	<b>2.7200e-003</b>	<b>150.1808</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	40.9359	0.8017	51.2524	0.0891	6.8985	6.8985	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	0.0151	0.0151	238.7772	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	1,811.6451	0.0795		1,813.6323
<b>Total</b>	<b>41.2133</b>	<b>2.2978</b>	<b>54.8347</b>	<b>0.1079</b>	<b>2.1250</b>	<b>6.9198</b>	<b>9.0448</b>	<b>0.5679</b>	<b>6.9193</b>	<b>7.4873</b>	<b>722.0650</b>	<b>2,357.1082</b>	<b>3,079.1732</b>	<b>0.7541</b>	<b>0.0612</b>	<b>3,116.2551</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	40.9359	0.8017	51.2524	0.0891	6.8985	6.8985	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	0.0151	0.0151	238.7772	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	1,811.6451	0.0795		1,813.6323
<b>Total</b>	<b>41.2133</b>	<b>2.2978</b>	<b>54.8347</b>	<b>0.1079</b>	<b>2.1250</b>	<b>6.9198</b>	<b>9.0448</b>	<b>0.5679</b>	<b>6.9193</b>	<b>7.4873</b>	<b>722.0650</b>	<b>2,357.1082</b>	<b>3,079.1732</b>	<b>0.7541</b>	<b>0.0612</b>	<b>3,116.2551</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	14.6420				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>14.9084</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0109</b>	<b>8.1400e-003</b>	<b>0.0910</b>	<b>2.7000e-004</b>	<b>0.0256</b>	<b>1.8000e-004</b>	<b>0.0257</b>	<b>6.7700e-003</b>	<b>1.6000e-004</b>	<b>6.9400e-003</b>		<b>26.8089</b>	<b>26.8089</b>	<b>8.3000e-004</b>		<b>26.8297</b>

Mountain Empire 26, UM - San Diego County, Summer

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	14.6420				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>14.9084</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	26.8089	8.3000e-004		26.8297
<b>Total</b>	<b>0.0109</b>	<b>8.1400e-003</b>	<b>0.0910</b>	<b>2.7000e-004</b>	<b>0.0256</b>	<b>1.8000e-004</b>	<b>0.0257</b>	<b>6.7700e-003</b>	<b>1.6000e-004</b>	<b>6.9400e-003</b>	<b>26.8089</b>	<b>26.8089</b>	<b>26.8089</b>	<b>8.3000e-004</b>		<b>26.8297</b>

Mountain Empire 26, UM - San Diego County, Summer

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	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	0.0784	2.8100e-003	0.0212	5.2900e-003	2.6900e-003	7.9800e-003			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	4.1400e-003		124.4941
<b>Total</b>	<b>0.0675</b>	<b>0.4172</b>	<b>0.5524</b>	<b>2.0200e-003</b>	<b>0.1333</b>	<b>3.6100e-003</b>	<b>0.1369</b>	<b>0.0358</b>	<b>3.4200e-003</b>	<b>0.0392</b>			<b>207.0259</b>	<b>0.0109</b>		<b>207.2985</b>

Mountain Empire 26, UM - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	0.0784	2.8100e-003	0.0212	5.2900e-003	2.6900e-003	7.9800e-003			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	4.1400e-003		124.4941
<b>Total</b>	<b>0.0675</b>	<b>0.4172</b>	<b>0.5524</b>	<b>2.0200e-003</b>	<b>0.1333</b>	<b>3.6100e-003</b>	<b>0.1369</b>	<b>0.0358</b>	<b>3.4200e-003</b>	<b>0.0392</b>			<b>207.0259</b>	<b>0.0109</b>		<b>207.2985</b>

Mountain Empire 26, UM - San Diego County, Summer

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272		2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>		<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Unmitigated Construction Off-Site**

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

Mountain Empire 26, UM - San Diego County, Summer

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272	0.0000	2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>	<b>0.0000</b>	<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Mitigated Construction Off-Site**

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

Mountain Empire 26, UM - San Diego County, Summer

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

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

Mountain Empire 26, UM - San Diego County, Summer

**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

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



Mountain Empire 26, UM - San Diego County, Summer

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0815</b>	<b>0.0610</b>	<b>0.6824</b>	<b>2.0200e-003</b>	<b>0.1916</b>	<b>1.3100e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.2100e-003</b>	<b>0.0520</b>		<b>201.0668</b>	<b>201.0668</b>	<b>6.2500e-003</b>		<b>201.2231</b>

Mountain Empire 26, UM - San Diego County, Summer

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0815</b>	<b>0.0610</b>	<b>0.6824</b>	<b>2.0200e-003</b>	<b>0.1916</b>	<b>1.3100e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.2100e-003</b>	<b>0.0520</b>		<b>201.0668</b>	<b>201.0668</b>	<b>6.2500e-003</b>		<b>201.2231</b>

Mountain Empire 26, UM - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.5769	2.3708	2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1060</b>	<b>0.0819</b>	<b>0.9058</b>	<b>2.5000e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>248.7811</b>	<b>248.7811</b>	<b>8.2800e-003</b>		<b>248.9882</b>

Mountain Empire 26, UM - San Diego County, Summer

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	8.2800e-003		248.9882
<b>Total</b>	<b>0.1060</b>	<b>0.0819</b>	<b>0.9058</b>	<b>2.5000e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>			<b>248.7811</b>	<b>8.2800e-003</b>		<b>248.9882</b>

**4.0 Operational Detail - Mobile**

Mountain Empire 26, UM - San Diego County, Summer

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1,811.645	0.0795		1,813.632
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	1,811.645	0.0795		1,813.632

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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	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**

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

Unmitigated

Land Use	Natural Gas Use kBtu/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>		<b>0.0219</b>	<b>0.1870</b>	<b>0.0796</b>	<b>1.1900e-003</b>		<b>0.0151</b>	<b>0.0151</b>		<b>0.0151</b>	<b>0.0151</b>		<b>238.7772</b>	<b>238.7772</b>	<b>4.5800e-003</b>	<b>4.3800e-003</b>	<b>240.1962</b>

Mitigated

Land Use	Natural Gas Use kBtu/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>		<b>0.0219</b>	<b>0.1870</b>	<b>0.0796</b>	<b>1.1900e-003</b>		<b>0.0151</b>	<b>0.0151</b>		<b>0.0151</b>	<b>0.0151</b>		<b>238.7772</b>	<b>238.7772</b>	<b>4.5800e-003</b>	<b>4.3800e-003</b>	<b>240.1962</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Mountain Empire 26, UM - San Diego County, Summer

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

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0802				0.0000	0.0000	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			0.0000			0.0000
Hearth	39.7903	0.7771	49.1168	0.0890	6.8866	6.8866	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	0.0119	0.0119		3.8624	3.8624	3.6800e-003		3.9543
<b>Total</b>	<b>40.9359</b>	<b>0.8017</b>	<b>51.2524</b>	<b>0.0891</b>	<b>6.8985</b>	<b>6.8985</b>	<b>6.8985</b>	<b>6.8985</b>	<b>6.8985</b>	<b>6.8985</b>	<b>722.0650</b>	<b>306.6859</b>	<b>1,028.7509</b>	<b>0.6700</b>	<b>0.0568</b>	<b>1,062.4266</b>



Mountain Empire 26, UM - San Diego County, Summer

**6.2 Area by SubCategory**

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0802					0.0000	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			0.0000
Hearth	39.7903	0.7771	49.1168	0.0890		6.8866	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	0.0119		3.8624	3.8624	3.6800e-003		3.9543
<b>Total</b>	<b>40.9359</b>	<b>0.8017</b>	<b>51.2524</b>	<b>0.0891</b>		<b>6.8985</b>	<b>6.8985</b>	<b>6.8985</b>	<b>6.8985</b>	<b>6.8985</b>	<b>722.0650</b>	<b>306.6859</b>	<b>1,028.7509</b>	<b>0.6700</b>	<b>0.0568</b>	<b>1,062.4266</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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
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**2.0 Emissions Summary**

**2.1 Overall Construction (Maximum Daily Emission)**

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	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
<b>Maximum</b>	<b>14.9193</b>	<b>48.2806</b>	<b>23.3821</b>	<b>0.0405</b>	<b>18.2962</b>	<b>2.5785</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.3722</b>	<b>12.3639</b>	<b>0.0000</b>	<b>4,080.4050</b>	<b>4,080.4050</b>	<b>1.2011</b>	<b>0.0000</b>	<b>4,110.4330</b>

Mitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	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
<b>Maximum</b>	<b>14.9193</b>	<b>48.2806</b>	<b>23.3821</b>	<b>0.0405</b>	<b>18.2962</b>	<b>2.5785</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.3722</b>	<b>12.3639</b>	<b>0.0000</b>	<b>4,080.4050</b>	<b>4,080.4050</b>	<b>1.2011</b>	<b>0.0000</b>	<b>4,110.4330</b>



Mountain Empire 26, M - San Diego County, Summer

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.1961	0.4559	2.3191	2.8700e-003	0.0468	0.0468	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	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		1,811.645	1,811.645	0.0795		1,813.632
<b>Total</b>	<b>1.4735</b>	<b>1.9520</b>	<b>5.9015</b>	<b>0.0217</b>	<b>2.1250</b>	<b>0.0680</b>	<b>2.1930</b>	<b>0.5679</b>	<b>0.0676</b>	<b>0.6355</b>	<b>0.0000</b>	<b>2,604.872</b>	<b>2,604.872</b>	<b>0.0983</b>	<b>0.0145</b>	<b>2,611.642</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.1961	0.4559	2.3191	2.8700e-003	0.0468	0.0468	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	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		1,811.645	1,811.645	0.0795		1,813.632
<b>Total</b>	<b>1.4735</b>	<b>1.9520</b>	<b>5.9015</b>	<b>0.0217</b>	<b>2.1250</b>	<b>0.0680</b>	<b>2.1930</b>	<b>0.5679</b>	<b>0.0676</b>	<b>0.6355</b>	<b>0.0000</b>	<b>2,604.872</b>	<b>2,604.872</b>	<b>0.0983</b>	<b>0.0145</b>	<b>2,611.642</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	14.6420				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>14.9084</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0109</b>	<b>8.1400e-003</b>	<b>0.0910</b>	<b>2.7000e-004</b>	<b>0.0256</b>	<b>1.8000e-004</b>	<b>0.0257</b>	<b>6.7700e-003</b>	<b>1.6000e-004</b>	<b>6.9400e-003</b>		<b>26.8089</b>	<b>26.8089</b>	<b>8.3000e-004</b>		<b>26.8297</b>

Mountain Empire 26, M - San Diego County, Summer

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	14.6420				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>14.9084</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	26.8089	8.3000e-004		26.8297
<b>Total</b>	<b>0.0109</b>	<b>8.1400e-003</b>	<b>0.0910</b>	<b>2.7000e-004</b>	<b>0.0256</b>	<b>1.8000e-004</b>	<b>0.0257</b>	<b>6.7700e-003</b>	<b>1.6000e-004</b>	<b>6.9400e-003</b>	<b>26.8089</b>	<b>26.8089</b>	<b>26.8089</b>	<b>8.3000e-004</b>		<b>26.8297</b>

Mountain Empire 26, M - San Diego County, Summer

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	0.0784	2.8100e-003	0.0212	5.2900e-003	2.6900e-003	7.9800e-003			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	4.1400e-003		124.4941
<b>Total</b>	<b>0.0675</b>	<b>0.4172</b>	<b>0.5524</b>	<b>2.0200e-003</b>	<b>0.1333</b>	<b>3.6100e-003</b>	<b>0.1369</b>	<b>0.0358</b>	<b>3.4200e-003</b>	<b>0.0392</b>			<b>207.0259</b>	<b>0.0109</b>		<b>207.2985</b>

Mountain Empire 26, M - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2.620.935 <sub>1</sub>	2.620.935 <sub>1</sub>	0.6421		2.636.988 <sub>3</sub>
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2.620.935<sub>1</sub></b>	<b>2.620.935<sub>1</sub></b>	<b>0.6421</b>		<b>2.636.988<sub>3</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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
<b>Total</b>	<b>0.0675</b>	<b>0.4172</b>	<b>0.5524</b>	<b>2.0200e-003</b>	<b>0.1333</b>	<b>3.6100e-003</b>	<b>0.1369</b>	<b>0.0358</b>	<b>3.4200e-003</b>	<b>0.0392</b>		<b>207.0259</b>	<b>207.0259</b>	<b>0.0109</b>		<b>207.2985</b>

Mountain Empire 26, M - San Diego County, Summer

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272		2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>		<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Unmitigated Construction Off-Site**

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

Mountain Empire 26, M - San Diego County, Summer

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272	0.0000	2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>	<b>0.0000</b>	<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Mitigated Construction Off-Site**

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

Mountain Empire 26, M - San Diego County, Summer

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

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



Mountain Empire 26, M - San Diego County, Summer

**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

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

Mountain Empire 26, M - San Diego County, Summer

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0815</b>	<b>0.0610</b>	<b>0.6824</b>	<b>2.0200e-003</b>	<b>0.1916</b>	<b>1.3100e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.2100e-003</b>	<b>0.0520</b>		<b>201.0668</b>	<b>201.0668</b>	<b>6.2500e-003</b>		<b>201.2231</b>

Mountain Empire 26, M - San Diego County, Summer

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6.2500e-003		201.2231
<b>Total</b>	<b>0.0815</b>	<b>0.0610</b>	<b>0.6824</b>	<b>2.0200e-003</b>	<b>0.1916</b>	<b>1.3100e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.2100e-003</b>	<b>0.0520</b>			<b>201.0668</b>	<b>6.2500e-003</b>		<b>201.2231</b>

Mountain Empire 26, M - San Diego County, Summer

**3.6 Site Preparation - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.5769	2.3708	2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1060</b>	<b>0.0819</b>	<b>0.9058</b>	<b>2.5000e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>248.7811</b>	<b>248.7811</b>	<b>8.2800e-003</b>		<b>248.9882</b>

Mountain Empire 26, M - San Diego County, Summer

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	8.2800e-003		248.9882
<b>Total</b>	<b>0.1060</b>	<b>0.0819</b>	<b>0.9058</b>	<b>2.5000e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>			<b>248.7811</b>	<b>8.2800e-003</b>		<b>248.9882</b>

**4.0 Operational Detail - Mobile**

Mountain Empire 26, M - San Diego County, Summer

**4.1 Mitigation Measures Mobile**

Category	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1,811.645	0.0795		1,813.632
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	1,811.645	0.0795		1,813.632

**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**

Category	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0219	0.1870	0.0796	1.1900e-003	0.0151	0.0151	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	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 - Natural Gas**

Unmitigated

Land Use	Natural Gas Use kBtu/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																	
Single Family Housing	2029.61	0.0219	0.1870	0.0796	1.1900e-003	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151		238.7772	238.7772	4.5800e-003	4.3800e-003	240.1962
<b>Total</b>		<b>0.0219</b>	<b>0.1870</b>	<b>0.0796</b>	<b>1.1900e-003</b>	<b>0.0151</b>	<b>0.0151</b>	<b>0.0151</b>	<b>0.0151</b>	<b>0.0151</b>	<b>0.0151</b>		<b>238.7772</b>	<b>238.7772</b>	<b>4.5800e-003</b>	<b>4.3800e-003</b>	<b>240.1962</b>

Mitigated

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

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



Mountain Empire 26, M - San Diego County, Summer

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	1.1961	0.4559	2.3191	2.8700e-003	0.0468	0.0468	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	0.0468	0.0468	0.0000	554.4506	554.4506	0.0142	0.0101	557.8144

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0802				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.0505	0.4313	0.1835	2.7500e-003	0.0349	0.0349	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	0.0119	0.0119		3.8624	3.8624	3.6800e-003		3.9543
<b>Total</b>	<b>1.1961</b>	<b>0.4559</b>	<b>2.3191</b>	<b>2.8600e-003</b>	<b>0.0468</b>	<b>0.0468</b>	<b>0.0468</b>	<b>0.0468</b>	<b>0.0468</b>	<b>0.0468</b>	<b>0.0000</b>	<b>554.4506</b>	<b>554.4506</b>	<b>0.0142</b>	<b>0.0101</b>	<b>557.8144</b>

Mountain Empire 26, M - San Diego County, Summer

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0802					0.0000	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			0.0000
Hearth	0.0505	0.4313	0.1835	2.7500e-003		0.0349	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	0.0119		3.8624	3.8624	3.6800e-003		3.9543
<b>Total</b>	<b>1.1961</b>	<b>0.4559</b>	<b>2.3191</b>	<b>2.8600e-003</b>		<b>0.0468</b>	<b>0.0468</b>	<b>0.0468</b>	<b>0.0468</b>	<b>0.0468</b>	<b>0.0000</b>	<b>554.4506</b>	<b>554.4506</b>	<b>0.0142</b>	<b>0.0101</b>	<b>557.8144</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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/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, Winter

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

2.0 Emissions Summary



Mountain Empire 26, UM - San Diego County, Winter

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	40.9359	0.8017	51.2524	0.0891	6.8985	6.8985	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	0.0151	0.0151	238.7772	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	1,726.6946	0.0797		1,728.6866
<b>Total</b>	<b>41.2081</b>	<b>2.3216</b>	<b>54.7129</b>	<b>0.1070</b>	<b>2.1250</b>	<b>6.9198</b>	<b>9.0448</b>	<b>0.5679</b>	<b>6.9194</b>	<b>7.4873</b>	<b>722.0650</b>	<b>2,272.1577</b>	<b>2,994.2227</b>	<b>0.7543</b>	<b>0.0612</b>	<b>3,031.3094</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	40.9359	0.8017	51.2524	0.0891	6.8985	6.8985	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	0.0151	0.0151	238.7772	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	1,726.6946	0.0797		1,728.6866
<b>Total</b>	<b>41.2081</b>	<b>2.3216</b>	<b>54.7129</b>	<b>0.1070</b>	<b>2.1250</b>	<b>6.9198</b>	<b>9.0448</b>	<b>0.5679</b>	<b>6.9194</b>	<b>7.4873</b>	<b>722.0650</b>	<b>2,272.1577</b>	<b>2,994.2227</b>	<b>0.7543</b>	<b>0.0612</b>	<b>3,031.3094</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	14.6420				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>14.9084</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0126</b>	<b>9.1300e-003</b>	<b>0.0842</b>	<b>2.5000e-004</b>	<b>0.0256</b>	<b>1.8000e-004</b>	<b>0.0257</b>	<b>6.7700e-003</b>	<b>1.6000e-004</b>	<b>6.9400e-003</b>		<b>25.1566</b>	<b>25.1566</b>	<b>7.8000e-004</b>		<b>25.1761</b>

Mountain Empire 26, UM - San Diego County, Winter

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	14.6420				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>14.9084</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	25.1566	7.8000e-004		25.1761
<b>Total</b>	<b>0.0126</b>	<b>9.1300e-003</b>	<b>0.0842</b>	<b>2.5000e-004</b>	<b>0.0256</b>	<b>1.8000e-004</b>	<b>0.0257</b>	<b>6.7700e-003</b>	<b>1.6000e-004</b>	<b>6.9400e-003</b>	<b>25.1566</b>	<b>25.1566</b>	<b>25.1566</b>	<b>7.8000e-004</b>		<b>25.1761</b>

Mountain Empire 26, UM - San Diego County, Winter

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	2,620.9351	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	0.0784	2.8600e-003	0.0212	5.2900e-003	2.7400e-003	8.0300e-003	80.3878	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	116.7301	3.9000e-003		116.8276
<b>Total</b>	<b>0.0764</b>	<b>0.4222</b>	<b>0.5316</b>	<b>1.9200e-003</b>	<b>0.1333</b>	<b>3.6600e-003</b>	<b>0.1370</b>	<b>0.0358</b>	<b>3.4700e-003</b>	<b>0.0393</b>	<b>197.1179</b>	<b>197.1179</b>	<b>197.1179</b>	<b>0.0111</b>		<b>197.3959</b>

Mountain Empire 26, UM - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	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	0.0784	2.8600e-003	0.0212	5.2900e-003	2.7400e-003	8.0300e-003			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	3.9000e-003		116.8276
<b>Total</b>	<b>0.0764</b>	<b>0.4222</b>	<b>0.5316</b>	<b>1.9200e-003</b>	<b>0.1333</b>	<b>3.6600e-003</b>	<b>0.1370</b>	<b>0.0358</b>	<b>3.4700e-003</b>	<b>0.0393</b>			<b>197.1179</b>	<b>0.0111</b>		<b>197.3959</b>

Mountain Empire 26, UM - San Diego County, Winter

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272		2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>		<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Unmitigated Construction Off-Site**

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

Mountain Empire 26, UM - San Diego County, Winter

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272	0.0000	2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>	<b>0.0000</b>	<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Mitigated Construction Off-Site**

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

Mountain Empire 26, UM - San Diego County, Winter

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

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



Mountain Empire 26, UM - San Diego County, Winter

**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6,5000e-003		194.7127
<b>Total</b>	<b>0.1020</b>	<b>0.0766</b>	<b>0.7015</b>	<b>1,9500e-003</b>	<b>0.1916</b>	<b>1,3300e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1,2200e-003</b>	<b>0.0520</b>		<b>194.5502</b>	<b>194.5502</b>	<b>6,5000e-003</b>		<b>194.7127</b>

Mountain Empire 26, UM - San Diego County, Winter

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0944</b>	<b>0.0685</b>	<b>0.6316</b>	<b>1.8900e-003</b>	<b>0.1916</b>	<b>1.3100e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.2100e-003</b>	<b>0.0520</b>		<b>188.6741</b>	<b>188.6741</b>	<b>5.8700e-003</b>		<b>188.8210</b>

Mountain Empire 26, UM - San Diego County, Winter

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0944</b>	<b>0.0685</b>	<b>0.6316</b>	<b>1.8900e-003</b>	<b>0.1916</b>	<b>1.3100e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.2100e-003</b>	<b>0.0520</b>		<b>188.6741</b>	<b>188.6741</b>	<b>5.8700e-003</b>		<b>188.8210</b>

Mountain Empire 26, UM - San Diego County, Winter

**3.6 Site Preparation - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.5769	2.3708	2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1225</b>	<b>0.0919</b>	<b>0.8418</b>	<b>2.3400e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>233.4603</b>	<b>233.4603</b>	<b>7.8000e-003</b>		<b>233.6553</b>

Mountain Empire 26, UM - San Diego County, Winter

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	7.8000e-003		233.6553
<b>Total</b>	<b>0.1225</b>	<b>0.0919</b>	<b>0.8418</b>	<b>2.3400e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>233.4603</b>	<b>233.4603</b>	<b>7.8000e-003</b>		<b>233.6553</b>

**4.0 Operational Detail - Mobile**

Mountain Empire 26, UM - San Diego County, Winter

**4.1 Mitigation Measures Mobile**

Category	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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-O or C-NW	H-S or C-C	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, Winter

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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

Mountain Empire 26, UM - San Diego County, Winter

**5.2 Energy by Land Use - NaturalGas**

Unmitigated

Land Use	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
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
<b>Total</b>		<b>0.0219</b>	<b>0.1870</b>	<b>0.0796</b>	<b>1.1900e-003</b>		<b>0.0151</b>	<b>0.0151</b>		<b>0.0151</b>	<b>0.0151</b>		<b>238.7772</b>	<b>238.7772</b>	<b>4.5800e-003</b>	<b>4.3800e-003</b>	<b>240.1962</b>

Mitigated

Land Use	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
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
<b>Total</b>		<b>0.0219</b>	<b>0.1870</b>	<b>0.0796</b>	<b>1.1900e-003</b>		<b>0.0151</b>	<b>0.0151</b>		<b>0.0151</b>	<b>0.0151</b>		<b>238.7772</b>	<b>238.7772</b>	<b>4.5800e-003</b>	<b>4.3800e-003</b>	<b>240.1962</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



Mountain Empire 26, UM - San Diego County, Winter

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

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0802				0.0000	0.0000	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			0.0000			0.0000
Hearth	39.7903	0.7771	49.1168	0.0890	6.8866	6.8866	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	0.0119	0.0119		3.8624	3.8624	3.6800e-003		3.9543
<b>Total</b>	<b>40.9359</b>	<b>0.8017</b>	<b>51.2524</b>	<b>0.0891</b>	<b>6.8985</b>	<b>6.8985</b>	<b>6.8985</b>	<b>6.8985</b>	<b>6.8985</b>	<b>6.8985</b>	<b>722.0650</b>	<b>306.6859</b>	<b>1,028.7509</b>	<b>0.6700</b>	<b>0.0568</b>	<b>1,062.4266</b>

Mountain Empire 26, UM - San Diego County, Winter

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0802					0.0000	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			0.0000
Hearth	39.7903	0.7771	49.1168	0.0890		6.8866	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	0.0119		3.8624	3.8624	3.6800e-003		3.9543
<b>Total</b>	<b>40.9359</b>	<b>0.8017</b>	<b>51.2524</b>	<b>0.0891</b>		<b>6.8985</b>	<b>6.8985</b>	<b>6.8985</b>	<b>6.8985</b>	<b>6.8985</b>	<b>722.0650</b>	<b>306.6859</b>	<b>1,028.7509</b>	<b>0.6700</b>	<b>0.0568</b>	<b>1,062.4266</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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/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	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

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tblWoodstoves	NumberNoncatalytic	1.30	0.00
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**2.0 Emissions Summary**

**2.1 Overall Construction (Maximum Daily Emission)**

Unmitigated Construction

Year	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Maximum</b>	<b>14.9210</b>	<b>48.2906</b>	<b>23.3181</b>	<b>0.0404</b>	<b>18.2962</b>	<b>2.5785</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.3722</b>	<b>12.3639</b>	<b>0.0000</b>	<b>4,065.0841</b>	<b>4,065.0841</b>	<b>1.2006</b>	<b>0.0000</b>	<b>4,095.1000</b>

Mitigated Construction

Year	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Maximum</b>	<b>14.9210</b>	<b>48.2906</b>	<b>23.3181</b>	<b>0.0404</b>	<b>18.2962</b>	<b>2.5785</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.3722</b>	<b>12.3639</b>	<b>0.0000</b>	<b>4,065.0841</b>	<b>4,065.0841</b>	<b>1.2006</b>	<b>0.0000</b>	<b>4,095.1000</b>



Mountain Empire 26, M - San Diego County, Winter

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.1961	0.4559	2.3191	2.8700e-003	0.0468	0.0468	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	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
<b>Total</b>	<b>1.4683</b>	<b>1.9759</b>	<b>5.7797</b>	<b>0.0208</b>	<b>2.1250</b>	<b>0.0680</b>	<b>2.1930</b>	<b>0.5679</b>	<b>0.0676</b>	<b>0.6355</b>	<b>0.0000</b>	<b>2,519.9225</b>	<b>2,519.9225</b>	<b>0.0985</b>	<b>0.0145</b>	<b>2,526.6971</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.1961	0.4559	2.3191	2.8700e-003	0.0468	0.0468	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	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
<b>Total</b>	<b>1.4683</b>	<b>1.9759</b>	<b>5.7797</b>	<b>0.0208</b>	<b>2.1250</b>	<b>0.0680</b>	<b>2.1930</b>	<b>0.5679</b>	<b>0.0676</b>	<b>0.6355</b>	<b>0.0000</b>	<b>2,519.9225</b>	<b>2,519.9225</b>	<b>0.0985</b>	<b>0.0145</b>	<b>2,526.6971</b>



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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	14.6420				0.0000	0.0000	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	0.1288	0.1288	281.4481	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>14.9084</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>281.4481</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	25.1566	7.8000e-004		25.1761
<b>Total</b>	<b>0.0126</b>	<b>9.1300e-003</b>	<b>0.0842</b>	<b>2.5000e-004</b>	<b>0.0256</b>	<b>1.8000e-004</b>	<b>0.0257</b>	<b>6.7700e-003</b>	<b>1.6000e-004</b>	<b>6.9400e-003</b>	<b>25.1566</b>	<b>25.1566</b>	<b>25.1566</b>	<b>7.8000e-004</b>		<b>25.1761</b>

Mountain Empire 26, M - San Diego County, Winter

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	14.6420				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>14.9084</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0126</b>	<b>9.1300e-003</b>	<b>0.0842</b>	<b>2.5000e-004</b>	<b>0.0256</b>	<b>1.8000e-004</b>	<b>0.0257</b>	<b>6.7700e-003</b>	<b>1.6000e-004</b>	<b>6.9400e-003</b>		<b>25.1566</b>	<b>25.1566</b>	<b>7.8000e-004</b>		<b>25.1761</b>

Mountain Empire 26, M - San Diego County, Winter

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	2.620.9351	2.620.9351	2.620.9351	0.6421		2.636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>2.620.9351</b>	<b>2.620.9351</b>	<b>2.620.9351</b>	<b>0.6421</b>		<b>2.636.9883</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	116.7301	3.9000e-003		116.8276
<b>Total</b>	<b>0.0764</b>	<b>0.4222</b>	<b>0.5316</b>	<b>1.9200e-003</b>	<b>0.1333</b>	<b>3.6600e-003</b>	<b>0.1370</b>	<b>0.0358</b>	<b>3.4700e-003</b>	<b>0.0393</b>	<b>197.1179</b>	<b>197.1179</b>	<b>197.1179</b>	<b>0.0111</b>		<b>197.3959</b>

Mountain Empire 26, M - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	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	0.0784	2.8600e-003	0.0212	5.2900e-003	2.7400e-003	8.0300e-003			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	3.9000e-003		116.8276
<b>Total</b>	<b>0.0764</b>	<b>0.4222</b>	<b>0.5316</b>	<b>1.9200e-003</b>	<b>0.1333</b>	<b>3.6600e-003</b>	<b>0.1370</b>	<b>0.0358</b>	<b>3.4700e-003</b>	<b>0.0393</b>			<b>197.1179</b>	<b>0.0111</b>		<b>197.3959</b>

Mountain Empire 26, M - San Diego County, Winter

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272		2.988.0216	2.988.0216	0.9302		3.011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>		<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Unmitigated Construction Off-Site**

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

Mountain Empire 26, M - San Diego County, Winter

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272	0.0000	2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>	<b>0.0000</b>	<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Mitigated Construction Off-Site**

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



Mountain Empire 26, M - San Diego County, Winter

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

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

Mountain Empire 26, M - San Diego County, Winter

**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

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

Mountain Empire 26, M - San Diego County, Winter

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0944</b>	<b>0.0685</b>	<b>0.6316</b>	<b>1.8900e-003</b>	<b>0.1916</b>	<b>1.3100e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.2100e-003</b>	<b>0.0520</b>		<b>188.6741</b>	<b>188.6741</b>	<b>5.8700e-003</b>		<b>188.8210</b>

Mountain Empire 26, M - San Diego County, Winter

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0944</b>	<b>0.0685</b>	<b>0.6316</b>	<b>1.8900e-003</b>	<b>0.1916</b>	<b>1.3100e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.2100e-003</b>	<b>0.0520</b>		<b>188.6741</b>	<b>188.6741</b>	<b>5.8700e-003</b>		<b>188.8210</b>

Mountain Empire 26, M - San Diego County, Winter

**3.6 Site Preparation - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.5769	2.3708	2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1225</b>	<b>0.0919</b>	<b>0.8418</b>	<b>2.3400e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>233.4603</b>	<b>233.4603</b>	<b>7.8000e-003</b>		<b>233.6553</b>

Mountain Empire 26, M - San Diego County, Winter

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	7.8000e-003		233.6553
<b>Total</b>	<b>0.1225</b>	<b>0.0919</b>	<b>0.8418</b>	<b>2.3400e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>			<b>233.4603</b>	<b>7.8000e-003</b>		<b>233.6553</b>

**4.0 Operational Detail - Mobile**

Mountain Empire 26, M - San Diego County, Winter

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0219	0.1870	0.0796	1.1900e-003	0.0151	0.0151	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	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 - Natural Gas**

Unmitigated

Land Use	Natural Gas Use kBtu/yr	lb/day										lb/day						
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Single Family Housing	2029.61	0.0219	0.1870	0.0796	1.1900e-003		0.0151	0.0151		0.0151			0.0151		238.7772	4.5800e-003	4.3800e-003	240.1962
<b>Total</b>		<b>0.0219</b>	<b>0.1870</b>	<b>0.0796</b>	<b>1.1900e-003</b>		<b>0.0151</b>	<b>0.0151</b>		<b>0.0151</b>			<b>0.0151</b>		<b>238.7772</b>	<b>4.5800e-003</b>	<b>4.3800e-003</b>	<b>240.1962</b>

Mitigated

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

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Mountain Empire 26, M - San Diego County, Winter

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	1.1961	0.4559	2.3191	2.8700e-003	0.0468	0.0468	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	0.0468	0.0468	0.0000	554.4506	554.4506	0.0142	0.0101	557.8144

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0802				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.0505	0.4313	0.1835	2.7500e-003	0.0349	0.0349	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	0.0119	0.0119		3.8624	3.8624	3.6800e-003		3.9543
<b>Total</b>	<b>1.1961</b>	<b>0.4559</b>	<b>2.3191</b>	<b>2.8600e-003</b>	<b>0.0468</b>	<b>0.0468</b>	<b>0.0468</b>	<b>0.0468</b>	<b>0.0468</b>	<b>0.0468</b>	<b>0.0000</b>	<b>554.4506</b>	<b>554.4506</b>	<b>0.0142</b>	<b>0.0101</b>	<b>557.8144</b>

Mountain Empire 26, M - San Diego County, Winter

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0802					0.0000	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			0.0000
Hearth	0.0505	0.4313	0.1835	2.7500e-003		0.0349	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	0.0119		3.8624	3.8624	3.6800e-003		3.9543
<b>Total</b>	<b>1.1961</b>	<b>0.4559</b>	<b>2.3191</b>	<b>2.8600e-003</b>		<b>0.0468</b>	<b>0.0468</b>	<b>0.0468</b>	<b>0.0468</b>	<b>0.0468</b>	<b>0.0000</b>	<b>554.4506</b>	<b>554.4506</b>	<b>0.0142</b>	<b>0.0101</b>	<b>557.8144</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**



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/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 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

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	45.6593	0.8942	57.1661	0.0994	7.6945	7.6945	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	0.0169	0.0169	266.3284	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	2,020.6811	0.0887		2,022.8976
<b>Total</b>	<b>45.9687</b>	<b>2.5629</b>	<b>61.1618</b>	<b>0.1203</b>	<b>2.3702</b>	<b>7.7182</b>	<b>10.0884</b>	<b>0.6335</b>	<b>7.7177</b>	<b>8.3512</b>	<b>805.3802</b>	<b>2,629.0823</b>	<b>3,434.4624</b>	<b>0.8411</b>	<b>0.0682</b>	<b>3,475.8230</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	45.6593	0.8942	57.1661	0.0994	7.6945	7.6945	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	0.0169	0.0169	266.3284	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	2,020.6811	0.0887		2,022.8976
<b>Total</b>	<b>45.9687</b>	<b>2.5629</b>	<b>61.1618</b>	<b>0.1203</b>	<b>2.3702</b>	<b>7.7182</b>	<b>10.0884</b>	<b>0.6335</b>	<b>7.7177</b>	<b>8.3512</b>	<b>805.3802</b>	<b>2,629.0823</b>	<b>3,434.4624</b>	<b>0.8411</b>	<b>0.0682</b>	<b>3,475.8230</b>



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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	16.3314				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>16.5979</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0109</b>	<b>8.1400e-003</b>	<b>0.0910</b>	<b>2.7000e-004</b>	<b>0.0256</b>	<b>1.8000e-004</b>	<b>0.0257</b>	<b>6.7700e-003</b>	<b>1.6000e-004</b>	<b>6.9400e-003</b>		<b>26.8089</b>	<b>26.8089</b>	<b>8.3000e-004</b>		<b>26.8297</b>

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

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	16.3314				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>16.5979</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	26.8089	8.3000e-004		26.8297
<b>Total</b>	<b>0.0109</b>	<b>8.1400e-003</b>	<b>0.0910</b>	<b>2.7000e-004</b>	<b>0.0256</b>	<b>1.8000e-004</b>	<b>0.0257</b>	<b>6.7700e-003</b>	<b>1.6000e-004</b>	<b>6.9400e-003</b>	<b>26.8089</b>	<b>26.8089</b>	<b>26.8089</b>	<b>8.3000e-004</b>		<b>26.8297</b>

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

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	2,620.9351	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	0.0784	2.8100e-003	0.0212	5.2900e-003	2.6900e-003	7.9800e-003	82.6353	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	138.2117	4.6000e-003		138.3268
<b>Total</b>	<b>0.0734</b>	<b>0.4218</b>	<b>0.6028</b>	<b>2.1600e-003</b>	<b>0.1461</b>	<b>3.6900e-003</b>	<b>0.1498</b>	<b>0.0392</b>	<b>3.5100e-003</b>	<b>0.0427</b>	<b>220.8471</b>	<b>220.8471</b>	<b>220.8471</b>	<b>0.0114</b>		<b>221.1312</b>

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

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	0.0784	2.8100e-003	0.0212	5.2900e-003	2.6900e-003	7.9800e-003			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	4.6000e-003		138.3268
<b>Total</b>	<b>0.0734</b>	<b>0.4218</b>	<b>0.6028</b>	<b>2.1600e-003</b>	<b>0.1461</b>	<b>3.6900e-003</b>	<b>0.1498</b>	<b>0.0392</b>	<b>3.5100e-003</b>	<b>0.0427</b>			<b>220.8471</b>	<b>0.0114</b>		<b>221.1312</b>

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

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272		2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>		<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Unmitigated Construction Off-Site**

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

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

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272	0.0000	2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>	<b>0.0000</b>	<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Mitigated Construction Off-Site**

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



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

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

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

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

**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

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

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

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0815</b>	<b>0.0610</b>	<b>0.6824</b>	<b>2.0200e-003</b>	<b>0.1916</b>	<b>1.3100e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.2100e-003</b>	<b>0.0520</b>		<b>201.0668</b>	<b>201.0668</b>	<b>6.2500e-003</b>		<b>201.2231</b>

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

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6.2500e-003		201.2231
<b>Total</b>	<b>0.0815</b>	<b>0.0610</b>	<b>0.6824</b>	<b>2.0200e-003</b>	<b>0.1916</b>	<b>1.3100e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.2100e-003</b>	<b>0.0520</b>			<b>201.0668</b>	<b>6.2500e-003</b>		<b>201.2231</b>

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

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.5769	2.3708	2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	8.2800e-003		248.9882
<b>Total</b>	<b>0.1060</b>	<b>0.0819</b>	<b>0.9058</b>	<b>2.5000e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>248.7811</b>	<b>248.7811</b>	<b>8.2800e-003</b>		<b>248.9882</b>

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

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	8.2800e-003		248.9882
<b>Total</b>	<b>0.1060</b>	<b>0.0819</b>	<b>0.9058</b>	<b>2.5000e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>248.7811</b>	<b>248.7811</b>	<b>8.2800e-003</b>		<b>248.9882</b>

**4.0 Operational Detail - Mobile**

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

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2,020.681	0.0887		2,022.897
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	2,020.681	0.0887		2,022.897

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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	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**

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

Land Use	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
lb/day																	
Single Family Housing	2263.79	0.0244	0.2086	0.0888	1.3300e-003	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
<b>Total</b>		<b>0.0244</b>	<b>0.2086</b>	<b>0.0888</b>	<b>1.3300e-003</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>		<b>266.3284</b>	<b>266.3284</b>	<b>5.1000e-003</b>	<b>4.8800e-003</b>	<b>267.9111</b>

Mitigated

Land Use	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
lb/day																	
Single Family Housing	2.26379	0.0244	0.2086	0.0888	1.3300e-003	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
<b>Total</b>		<b>0.0244</b>	<b>0.2086</b>	<b>0.0888</b>	<b>1.3300e-003</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>		<b>266.3284</b>	<b>266.3284</b>	<b>5.1000e-003</b>	<b>4.8800e-003</b>	<b>267.9111</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	45.6593	0.8942	57.1661	0.0994	7.6945	7.6945	7.6945	7.6945	7.6945	7.6945	805.3802	342.0727	1,147,452 <sub>9</sub>	0.7473	0.0634	1,185,014 <sub>3</sub>
Unmitigated	45.6593	0.8942	57.1661	0.0994	7.6945	7.6945	7.6945	7.6945	7.6945	7.6945	805.3802	342.0727	1,147,452 <sub>9</sub>	0.7473	0.0634	1,185,014 <sub>3</sub>

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0895				0.0000	0.0000	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			0.0000			0.0000
Hearth	44.3815	0.8667	54.7841	0.0993	7.6813	7.6813	7.6813	7.6813	7.6813	7.6813	805.3802	337.7647	1,143,144 <sub>9</sub>	0.7432	0.0634	1,180,603 <sub>8</sub>
Landscaping	0.0712	0.0275	2.3820	1.3000e-004	0.0133	0.0133	0.0133	0.0133	0.0133	0.0133	4.3080	4.3080	4.3080	4.1000e-003		4.4105
<b>Total</b>	<b>45.6593</b>	<b>0.8942</b>	<b>57.1661</b>	<b>0.0994</b>	<b>7.6945</b>	<b>7.6945</b>	<b>7.6945</b>	<b>7.6945</b>	<b>7.6945</b>	<b>7.6945</b>	<b>805.3802</b>	<b>342.0727</b>	<b>1,147,452<sub>9</sub></b>	<b>0.7473</b>	<b>0.0634</b>	<b>1,185,014<sub>3</sub></b>

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

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0895					0.0000	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			0.0000
Hearth	44.3815	0.8667	54.7841	0.0993	7.6813	7.6813	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	0.0133	0.0133	4.3080	4.3080	4.3080	4.1000e-003		4.4105
<b>Total</b>	<b>45.6593</b>	<b>0.8942</b>	<b>57.1661</b>	<b>0.0994</b>	<b>7.6945</b>	<b>7.6945</b>	<b>7.6945</b>	<b>7.6945</b>	<b>7.6945</b>	<b>7.6945</b>	<b>805.3802</b>	<b>342.0727</b>	<b>1,147.4529</b>	<b>0.7473</b>	<b>0.0634</b>	<b>1,185.0143</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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
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**2.0 Emissions Summary**

**2.1 Overall Construction (Maximum Daily Emission)**

Unmitigated Construction

Year	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Maximum</b>	<b>16.6087</b>	<b>48.2806</b>	<b>23.3821</b>	<b>0.0405</b>	<b>18.2962</b>	<b>2.5785</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.3722</b>	<b>12.3639</b>	<b>0.0000</b>	<b>4,080.4050</b>	<b>4,080.4050</b>	<b>1.2011</b>	<b>0.0000</b>	<b>4,110.4330</b>

Mitigated Construction

Year	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Maximum</b>	<b>16.6087</b>	<b>48.2806</b>	<b>23.3821</b>	<b>0.0405</b>	<b>18.2962</b>	<b>2.5785</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.3722</b>	<b>12.3639</b>	<b>0.0000</b>	<b>4,080.4050</b>	<b>4,080.4050</b>	<b>1.2011</b>	<b>0.0000</b>	<b>4,110.4330</b>





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

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.3341	0.5086	2.5867	3.2000e-003	0.0522	0.0522	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	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	2,020.681	0.0887		2,022.897
<b>Total</b>	<b>1.6435</b>	<b>2.1772</b>	<b>6.5824</b>	<b>0.0242</b>	<b>2.3702</b>	<b>0.0758</b>	<b>2.4461</b>	<b>0.6335</b>	<b>0.0754</b>	<b>0.7089</b>	<b>0.0000</b>	<b>2,905.435</b>	<b>2,905.435</b>	<b>0.1096</b>	<b>0.0161</b>	<b>2,912.986</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.3341	0.5086	2.5867	3.2000e-003	0.0522	0.0522	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	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	2,020.681	0.0887		2,022.897
<b>Total</b>	<b>1.6435</b>	<b>2.1772</b>	<b>6.5824</b>	<b>0.0242</b>	<b>2.3702</b>	<b>0.0758</b>	<b>2.4461</b>	<b>0.6335</b>	<b>0.0754</b>	<b>0.7089</b>	<b>0.0000</b>	<b>2,905.435</b>	<b>2,905.435</b>	<b>0.1096</b>	<b>0.0161</b>	<b>2,912.986</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	16.3314				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>16.5979</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0109</b>	<b>8.1400e-003</b>	<b>0.0910</b>	<b>2.7000e-004</b>	<b>0.0256</b>	<b>1.8000e-004</b>	<b>0.0257</b>	<b>6.7700e-003</b>	<b>1.6000e-004</b>	<b>6.9400e-003</b>		<b>26.8089</b>	<b>26.8089</b>	<b>8.3000e-004</b>		<b>26.8297</b>

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

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	16.3314				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>16.5979</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	26.8089	8.3000e-004		26.8297
<b>Total</b>	<b>0.0109</b>	<b>8.1400e-003</b>	<b>0.0910</b>	<b>2.7000e-004</b>	<b>0.0256</b>	<b>1.8000e-004</b>	<b>0.0257</b>	<b>6.7700e-003</b>	<b>1.6000e-004</b>	<b>6.9400e-003</b>	<b>26.8089</b>	<b>26.8089</b>	<b>26.8089</b>	<b>8.3000e-004</b>		<b>26.8297</b>

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

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	2,620.9351	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	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	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	4.6000e-003		138.3268
<b>Total</b>	<b>0.0734</b>	<b>0.4218</b>	<b>0.6028</b>	<b>2.1600e-003</b>	<b>0.1461</b>	<b>3.6900e-003</b>	<b>0.1498</b>	<b>0.0392</b>	<b>3.5100e-003</b>	<b>0.0427</b>			<b>220.8471</b>	<b>0.0114</b>		<b>221.1312</b>

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

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	4.6000e-003		138.3268
<b>Total</b>	<b>0.0734</b>	<b>0.4218</b>	<b>0.6028</b>	<b>2.1600e-003</b>	<b>0.1461</b>	<b>3.6900e-003</b>	<b>0.1498</b>	<b>0.0392</b>	<b>3.5100e-003</b>	<b>0.0427</b>			<b>220.8471</b>	<b>0.0114</b>		<b>221.1312</b>

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

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272		2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>		<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Unmitigated Construction Off-Site**

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



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

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272	0.0000	2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>	<b>0.0000</b>	<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Mitigated Construction Off-Site**

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

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

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

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

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

**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

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

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

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0815</b>	<b>0.0610</b>	<b>0.6824</b>	<b>2.0200e-003</b>	<b>0.1916</b>	<b>1.3100e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.2100e-003</b>	<b>0.0520</b>		<b>201.0668</b>	<b>201.0668</b>	<b>6.2500e-003</b>		<b>201.2231</b>

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

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0815</b>	<b>0.0610</b>	<b>0.6824</b>	<b>2.0200e-003</b>	<b>0.1916</b>	<b>1.3100e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.2100e-003</b>	<b>0.0520</b>		<b>201.0668</b>	<b>201.0668</b>	<b>6.2500e-003</b>		<b>201.2231</b>

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

**3.6 Site Preparation - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.5769	2.3708	2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1060</b>	<b>0.0819</b>	<b>0.9058</b>	<b>2.5000e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>248.7811</b>	<b>248.7811</b>	<b>8.2800e-003</b>		<b>248.9882</b>

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

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	8.2800e-003		248.9882
<b>Total</b>	<b>0.1060</b>	<b>0.0819</b>	<b>0.9058</b>	<b>2.5000e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>			<b>248.7811</b>	<b>8.2800e-003</b>		<b>248.9882</b>

**4.0 Operational Detail - Mobile**

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

**4.1 Mitigation Measures Mobile**

Category	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2,020.681	0.0887		2,022.897
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	2,020.681	0.0887		2,022.897

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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	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**

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

Land Use	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
lb/day																	
Single Family Housing	2263.79	0.0244	0.2086	0.0888	1.3300e-003	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
<b>Total</b>		<b>0.0244</b>	<b>0.2086</b>	<b>0.0888</b>	<b>1.3300e-003</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>		<b>266.3284</b>	<b>266.3284</b>	<b>5.1000e-003</b>	<b>4.8800e-003</b>	<b>267.9111</b>

Mitigated

Land Use	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
lb/day																	
Single Family Housing	2.26379	0.0244	0.2086	0.0888	1.3300e-003	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169		266.3284	266.3284	5.1000e-003	4.8800e-003	267.9111
<b>Total</b>		<b>0.0244</b>	<b>0.2086</b>	<b>0.0888</b>	<b>1.3300e-003</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>		<b>266.3284</b>	<b>266.3284</b>	<b>5.1000e-003</b>	<b>4.8800e-003</b>	<b>267.9111</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	1.3341	0.5086	2.5867	3.2000e-003	0.0522	0.0522	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	0.0522	0.0522	0.0000	618.4257	618.4257	0.0159	0.0113	622.1776

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0895				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.0563	0.4811	0.2047	3.0700e-003	0.0389	0.0389	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	0.0133	0.0133		4.3080	4.3080	4.1000e-003		4.4105
<b>Total</b>	<b>1.3341</b>	<b>0.5086</b>	<b>2.5867</b>	<b>3.2000e-003</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0000</b>	<b>618.4257</b>	<b>618.4257</b>	<b>0.0159</b>	<b>0.0113</b>	<b>622.1776</b>

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

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0895					0.0000	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			0.0000
Hearth	0.0563	0.4811	0.2047	3.0700e-003	0.0389	0.0389	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	0.0133	0.0133		4.3080	4.3080	4.1000e-003		4.4105
<b>Total</b>	<b>1.3341</b>	<b>0.5086</b>	<b>2.5867</b>	<b>3.2000e-003</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0000</b>	<b>618.4257</b>	<b>618.4257</b>	<b>0.0159</b>	<b>0.0113</b>	<b>622.1776</b>

**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
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**Boilers**

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

Equipment Type	Number
----------------	--------

**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/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 30A, UM - San Diego County, Winter

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

2.0 Emissions Summary





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

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	45.6593	0.8942	57.1661	0.0994	7.6945	7.6945	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	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
<b>Total</b>	<b>45.9629</b>	<b>2.5895</b>	<b>61.0260</b>	<b>0.1194</b>	<b>2.3702</b>	<b>7.7182</b>	<b>10.0884</b>	<b>0.6335</b>	<b>7.7177</b>	<b>8.3512</b>	<b>805.3802</b>	<b>2,534.3298</b>	<b>3,339.7100</b>	<b>0.8413</b>	<b>0.0682</b>	<b>3,381.0759</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	45.6593	0.8942	57.1661	0.0994	7.6945	7.6945	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	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
<b>Total</b>	<b>45.9629</b>	<b>2.5895</b>	<b>61.0260</b>	<b>0.1194</b>	<b>2.3702</b>	<b>7.7182</b>	<b>10.0884</b>	<b>0.6335</b>	<b>7.7177</b>	<b>8.3512</b>	<b>805.3802</b>	<b>2,534.3298</b>	<b>3,339.7100</b>	<b>0.8413</b>	<b>0.0682</b>	<b>3,381.0759</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.0238		282.0423
<b>Total</b>	<b>16.5979</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>			<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	7.8000e-004		25.1761
<b>Total</b>	<b>0.0126</b>	<b>9.1300e-003</b>	<b>0.0842</b>	<b>2.5000e-004</b>	<b>0.0256</b>	<b>1.8000e-004</b>	<b>0.0257</b>	<b>6.7700e-003</b>	<b>1.6000e-004</b>	<b>6.9400e-003</b>			<b>25.1566</b>	<b>7.8000e-004</b>		<b>25.1761</b>

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

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	16.3314				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>16.5979</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0126</b>	<b>9.1300e-003</b>	<b>0.0842</b>	<b>2.5000e-004</b>	<b>0.0256</b>	<b>1.8000e-004</b>	<b>0.0257</b>	<b>6.7700e-003</b>	<b>1.6000e-004</b>	<b>6.9400e-003</b>		<b>25.1566</b>	<b>25.1566</b>	<b>7.8000e-004</b>		<b>25.1761</b>

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

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	2,620.9351	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	129.7001	4.3300e-003		129.8085
<b>Total</b>	<b>0.0832</b>	<b>0.4273</b>	<b>0.5784</b>	<b>2.0500e-003</b>	<b>0.1461</b>	<b>3.7400e-003</b>	<b>0.1498</b>	<b>0.0392</b>	<b>3.5600e-003</b>	<b>0.0427</b>	<b>210.0879</b>	<b>210.0879</b>	<b>210.0879</b>	<b>0.0116</b>		<b>210.3767</b>

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

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	4.3300e-003		129.8085
<b>Total</b>	<b>0.0832</b>	<b>0.4273</b>	<b>0.5784</b>	<b>2.0500e-003</b>	<b>0.1461</b>	<b>3.7400e-003</b>	<b>0.1498</b>	<b>0.0392</b>	<b>3.5600e-003</b>	<b>0.0427</b>			<b>210.0879</b>	<b>0.0116</b>		<b>210.3767</b>

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

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272		2.988.0216	2.988.0216	0.9302		3.011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>		<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Unmitigated Construction Off-Site**

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



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

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272	0.0000	2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>	<b>0.0000</b>	<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Mitigated Construction Off-Site**

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

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

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

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

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

**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

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

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

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0944</b>	<b>0.0685</b>	<b>0.6316</b>	<b>1.8900e-003</b>	<b>0.1916</b>	<b>1.3100e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.2100e-003</b>	<b>0.0520</b>		<b>188.6741</b>	<b>188.6741</b>	<b>5.8700e-003</b>		<b>188.8210</b>

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

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0944</b>	<b>0.0685</b>	<b>0.6316</b>	<b>1.8900e-003</b>	<b>0.1916</b>	<b>1.3100e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.2100e-003</b>	<b>0.0520</b>		<b>188.6741</b>	<b>188.6741</b>	<b>5.8700e-003</b>		<b>188.8210</b>

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

**3.6 Site Preparation - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.5769	2.3708	2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1225</b>	<b>0.0919</b>	<b>0.8418</b>	<b>2.3400e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>233.4603</b>	<b>233.4603</b>	<b>7.8000e-003</b>		<b>233.6553</b>

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

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1225</b>	<b>0.0919</b>	<b>0.8418</b>	<b>2.3400e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>233.4603</b>	<b>233.4603</b>	<b>7.8000e-003</b>		<b>233.6553</b>

**4.0 Operational Detail - Mobile**

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

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.2792	1.4867	3.7711	0.0187	2.3702	6.8200e-003	2.3770	0.6335	6.3500e-003	0.6398		1,925,928	1,925,928	0.0869		1,928,150
Unmitigated	0.2792	1.4867	3.7711	0.0187	2.3702	6.8200e-003	2.3770	0.6335	6.3500e-003	0.6398		1,925,928	1,925,928	0.0869		1,928,150

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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, UM - San Diego County, Winter

### 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

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

Land Use	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	
	kBTU/yr																	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	
<b>Total</b>		<b>0.0244</b>	<b>0.2086</b>	<b>0.0888</b>	<b>1.3300e-003</b>		<b>0.0169</b>	<b>0.0169</b>		<b>0.0169</b>	<b>0.0169</b>		<b>266.3284</b>	<b>266.3284</b>	<b>5.1000e-003</b>	<b>4.8800e-003</b>	<b>267.9111</b>	

Mitigated

Land Use	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	
	kBTU/yr																	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	
<b>Total</b>		<b>0.0244</b>	<b>0.2086</b>	<b>0.0888</b>	<b>1.3300e-003</b>		<b>0.0169</b>	<b>0.0169</b>		<b>0.0169</b>	<b>0.0169</b>		<b>266.3284</b>	<b>266.3284</b>	<b>5.1000e-003</b>	<b>4.8800e-003</b>	<b>267.9111</b>	

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	45.6593	0.8942	57.1661	0.0994	7.6945	7.6945	7.6945	7.6945	7.6945	7.6945	805.3802	342.0727	1,147,452 <sub>9</sub>	0.7473	0.0634	1,185,014 <sub>3</sub>
Unmitigated	45.6593	0.8942	57.1661	0.0994	7.6945	7.6945	7.6945	7.6945	7.6945	7.6945	805.3802	342.0727	1,147,452 <sub>9</sub>	0.7473	0.0634	1,185,014 <sub>3</sub>

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0895				0.0000	0.0000	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			0.0000			0.0000
Hearth	44.3815	0.8667	54.7841	0.0993	7.6813	7.6813	7.6813	7.6813	7.6813	7.6813	805.3802	337.7647	1,143,144 <sub>9</sub>	0.7432	0.0634	1,180,603 <sub>8</sub>
Landscaping	0.0712	0.0275	2.3820	1.3000e-004	0.0133	0.0133	0.0133	0.0133	0.0133	0.0133	4.3080	4.3080	4.3080	4.1000e-003		4.4105
<b>Total</b>	<b>45.6593</b>	<b>0.8942</b>	<b>57.1661</b>	<b>0.0994</b>	<b>7.6945</b>	<b>7.6945</b>	<b>7.6945</b>	<b>7.6945</b>	<b>7.6945</b>	<b>7.6945</b>	<b>805.3802</b>	<b>342.0727</b>	<b>1,147,452<sub>9</sub></b>	<b>0.7473</b>	<b>0.0634</b>	<b>1,185,014<sub>3</sub></b>

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

**6.2 Area by SubCategory**

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0895					0.0000	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			0.0000
Hearth	44.3815	0.8667	54.7841	0.0993		7.6813	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	0.0133	4.3080	4.3080	4.3080	4.1000e-003		4.4105
<b>Total</b>	<b>45.6593</b>	<b>0.8942</b>	<b>57.1661</b>	<b>0.0994</b>		<b>7.6945</b>	<b>7.6945</b>	<b>7.6945</b>	<b>7.6945</b>	<b>7.6945</b>	<b>805.3802</b>	<b>342.0727</b>	<b>1,147.4529</b>	<b>0.7473</b>	<b>0.0634</b>	<b>1,185.0143</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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

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

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
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## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

Year	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Maximum</b>	<b>16.6104</b>	<b>48.2906</b>	<b>23.3181</b>	<b>0.0404</b>	<b>18.2962</b>	<b>2.5785</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.3722</b>	<b>12.3639</b>	<b>0.0000</b>	<b>4,065.0841</b>	<b>4,065.0841</b>	<b>1.2006</b>	<b>0.0000</b>	<b>4,095.1000</b>

#### Mitigated Construction

Year	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Maximum</b>	<b>16.6104</b>	<b>48.2906</b>	<b>23.3181</b>	<b>0.0404</b>	<b>18.2962</b>	<b>2.5785</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.3722</b>	<b>12.3639</b>	<b>0.0000</b>	<b>4,065.0841</b>	<b>4,065.0841</b>	<b>1.2006</b>	<b>0.0000</b>	<b>4,095.1000</b>





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

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.3341	0.5086	2.5867	3.2000e-003	0.0522	0.0522	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	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
<b>Total</b>	<b>1.6377</b>	<b>2.2038</b>	<b>6.4466</b>	<b>0.0232</b>	<b>2.3702</b>	<b>0.0759</b>	<b>2.4461</b>	<b>0.6335</b>	<b>0.0754</b>	<b>0.7089</b>	<b>0.0000</b>	<b>2,810.6827</b>	<b>2,810.6827</b>	<b>0.1098</b>	<b>0.0161</b>	<b>2,818.2391</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.3341	0.5086	2.5867	3.2000e-003	0.0522	0.0522	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	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
<b>Total</b>	<b>1.6377</b>	<b>2.2038</b>	<b>6.4466</b>	<b>0.0232</b>	<b>2.3702</b>	<b>0.0759</b>	<b>2.4461</b>	<b>0.6335</b>	<b>0.0754</b>	<b>0.7089</b>	<b>0.0000</b>	<b>2,810.6827</b>	<b>2,810.6827</b>	<b>0.1098</b>	<b>0.0161</b>	<b>2,818.2391</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	16.3314				0.0000	0.0000	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	0.1288	0.1288	281.4481	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>16.5979</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>281.4481</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	25.1566	7.8000e-004		25.1761
<b>Total</b>	<b>0.0126</b>	<b>9.1300e-003</b>	<b>0.0842</b>	<b>2.5000e-004</b>	<b>0.0256</b>	<b>1.8000e-004</b>	<b>0.0257</b>	<b>6.7700e-003</b>	<b>1.6000e-004</b>	<b>6.9400e-003</b>	<b>25.1566</b>	<b>25.1566</b>	<b>25.1566</b>	<b>7.8000e-004</b>		<b>25.1761</b>

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

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	16.3314				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>16.5979</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	25.1566	7.8000e-004		25.1761
<b>Total</b>	<b>0.0126</b>	<b>9.1300e-003</b>	<b>0.0842</b>	<b>2.5000e-004</b>	<b>0.0256</b>	<b>1.8000e-004</b>	<b>0.0257</b>	<b>6.7700e-003</b>	<b>1.6000e-004</b>	<b>6.9400e-003</b>	<b>25.1566</b>	<b>25.1566</b>	<b>25.1566</b>	<b>7.8000e-004</b>		<b>25.1761</b>

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

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	2,620.9351	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	129.7001	4.3300e-003		129.8085
<b>Total</b>	<b>0.0832</b>	<b>0.4273</b>	<b>0.5784</b>	<b>2.0500e-003</b>	<b>0.1461</b>	<b>3.7400e-003</b>	<b>0.1498</b>	<b>0.0392</b>	<b>3.5600e-003</b>	<b>0.0427</b>	<b>210.0879</b>	<b>210.0879</b>	<b>210.0879</b>	<b>0.0116</b>		<b>210.3767</b>

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

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	4.3300e-003		129.8085
<b>Total</b>	<b>0.0832</b>	<b>0.4273</b>	<b>0.5784</b>	<b>2.0500e-003</b>	<b>0.1461</b>	<b>3.7400e-003</b>	<b>0.1498</b>	<b>0.0392</b>	<b>3.5600e-003</b>	<b>0.0427</b>			<b>210.0879</b>	<b>0.0116</b>		<b>210.3767</b>



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

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272		2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>		<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Unmitigated Construction Off-Site**

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

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

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272	0.0000	2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>	<b>0.0000</b>	<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Mitigated Construction Off-Site**

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

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

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.1020</b>	<b>0.0766</b>	<b>0.7015</b>	<b>1,9500e-003</b>	<b>0.1916</b>	<b>1,3300e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1,2200e-003</b>	<b>0.0520</b>		<b>194.5502</b>	<b>194.5502</b>	<b>6.5000e-003</b>		<b>194.7127</b>

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

**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6,5000e-003		194.7127
<b>Total</b>	<b>0.1020</b>	<b>0.0766</b>	<b>0.7015</b>	<b>1,9500e-003</b>	<b>0.1916</b>	<b>1,3300e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1,2200e-003</b>	<b>0.0520</b>		<b>194.5502</b>	<b>194.5502</b>	<b>6,5000e-003</b>		<b>194.7127</b>

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

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0944</b>	<b>0.0685</b>	<b>0.6316</b>	<b>1.8900e-003</b>	<b>0.1916</b>	<b>1.3100e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.2100e-003</b>	<b>0.0520</b>		<b>188.6741</b>	<b>188.6741</b>	<b>5.8700e-003</b>		<b>188.8210</b>

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

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0944</b>	<b>0.0685</b>	<b>0.6316</b>	<b>1.8900e-003</b>	<b>0.1916</b>	<b>1.3100e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.2100e-003</b>	<b>0.0520</b>		<b>188.6741</b>	<b>188.6741</b>	<b>5.8700e-003</b>		<b>188.8210</b>

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

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.5769	2.3708	2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1225</b>	<b>0.0919</b>	<b>0.8418</b>	<b>2.3400e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>233.4603</b>	<b>233.4603</b>	<b>7.8000e-003</b>		<b>233.6553</b>

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

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	7.8000e-003		233.6553
<b>Total</b>	<b>0.1225</b>	<b>0.0919</b>	<b>0.8418</b>	<b>2.3400e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>			<b>233.4603</b>	<b>7.8000e-003</b>		<b>233.6553</b>

**4.0 Operational Detail - Mobile**



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

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.2792	1.4867	3.7711	0.0187	2.3702	6.8200e-003	2.3770	0.6335	6.3500e-003	0.6398		1,925,928	1,925,928	0.0889		1,928,150
Unmitigated	0.2792	1.4867	3.7711	0.0187	2.3702	6.8200e-003	2.3770	0.6335	6.3500e-003	0.6398		1,925,928	1,925,928	0.0889		1,928,150

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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-O or C-NW	H-W or C-W	H-S or C-C	H-O 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**

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

Land Use	NaturalGas Use kBtu/yr	lb/day										CO2e						
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total		Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	
Single Family Housing	2263.79	0.0244	0.2086	0.0888	1.3300e-003	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169	0.0169	266.3284	5.1000e-003	4.8800e-003	267.9111
<b>Total</b>		<b>0.0244</b>	<b>0.2086</b>	<b>0.0888</b>	<b>1.3300e-003</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>0.0169</b>	<b>266.3284</b>	<b>5.1000e-003</b>	<b>4.8800e-003</b>	<b>267.9111</b>

**Mitigated**

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

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	1.3341	0.5086	2.5867	3.2000e-003	0.0522	0.0522	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	0.0522	0.0522	0.0000	618.4257	618.4257	0.0159	0.0113	622.1776

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0895				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.0563	0.4811	0.2047	3.0700e-003	0.0389	0.0389	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	0.0133	0.0133		4.3080	4.3080	4.1000e-003		4.4105
<b>Total</b>	<b>1.3341</b>	<b>0.5086</b>	<b>2.5867</b>	<b>3.2000e-003</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0000</b>	<b>618.4257</b>	<b>618.4257</b>	<b>0.0159</b>	<b>0.0113</b>	<b>622.1776</b>

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

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0895					0.0000	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			0.0000
Hearth	0.0563	0.4811	0.2047	3.0700e-003		0.0389	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	0.0133		4.3080	4.3080	4.1000e-003		4.4105
<b>Total</b>	<b>1.3341</b>	<b>0.5086</b>	<b>2.5867</b>	<b>3.2000e-003</b>		<b>0.0522</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0522</b>	<b>0.0000</b>	<b>618.4257</b>	<b>618.4257</b>	<b>0.0159</b>	<b>0.0113</b>	<b>622.1776</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	17.3190	0.3392	21.6837	0.0377	2.9186	2.9186	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	8.3400e-003	8.3400e-003	131.6327	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	601.5285	0.0269		602.2015
<b>Total</b>	<b>17.4245</b>	<b>0.9404</b>	<b>22.9163</b>	<b>0.0442</b>	<b>0.6937</b>	<b>2.9290</b>	<b>3.6227</b>	<b>0.1854</b>	<b>2.9289</b>	<b>3.1143</b>	<b>305.4890</b>	<b>862.9129</b>	<b>1,168.401<sub>9</sub></b>	<b>0.3129</b>	<b>0.0264</b>	<b>1,184.104<sub>6</sub></b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	17.3190	0.3392	21.6837	0.0377	2.9186	2.9186	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	8.3400e-003	8.3400e-003	131.6327	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	601.5285	0.0269		602.2015
<b>Total</b>	<b>17.4245</b>	<b>0.9404</b>	<b>22.9163</b>	<b>0.0442</b>	<b>0.6937</b>	<b>2.9290</b>	<b>3.6227</b>	<b>0.1854</b>	<b>2.9289</b>	<b>3.1143</b>	<b>305.4890</b>	<b>862.9129</b>	<b>1,168.401<sub>9</sub></b>	<b>0.3129</b>	<b>0.0264</b>	<b>1,184.104<sub>6</sub></b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>7.1494</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

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

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

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	6.8830				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>7.1494</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

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

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

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2.620.935 <sub>1</sub>	2.620.935 <sub>1</sub>	0.6421		2.636.988 <sub>3</sub>
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>		<b>1.4999</b>	<b>1.4999</b>		<b>1.4099</b>	<b>1.4099</b>		<b>2.620.935<sub>1</sub></b>	<b>2.620.935<sub>1</sub></b>	<b>0.6421</b>		<b>2.636.988<sub>3</sub></b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0222</b>	<b>0.1440</b>	<b>0.1718</b>	<b>6.4000e-004</b>	<b>0.0396</b>	<b>1.2700e-003</b>	<b>0.0409</b>	<b>0.0107</b>	<b>1.2100e-003</b>	<b>0.0119</b>		<b>65.7080</b>	<b>65.7080</b>	<b>3.5900e-003</b>		<b>65.7978</b>

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

**3.3 Building Construction - 2018**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2.620.935 <sub>1</sub>	2.620.935 <sub>1</sub>	0.6421		2.636.988 <sub>3</sub>
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2.620.935<sub>1</sub></b>	<b>2.620.935<sub>1</sub></b>	<b>0.6421</b>		<b>2.636.988<sub>3</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	1.2300e-003		35.9197
<b>Total</b>	<b>0.0222</b>	<b>0.1440</b>	<b>0.1718</b>	<b>6.4000e-004</b>	<b>0.0396</b>	<b>1.2700e-003</b>	<b>0.0409</b>	<b>0.0107</b>	<b>1.2100e-003</b>	<b>0.0119</b>			<b>65.7080</b>	<b>3.5900e-003</b>		<b>65.7978</b>



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

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272		2.988.0216	2.988.0216	0.9302		3.011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>		<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0639</b>	<b>0.0460</b>	<b>0.5135</b>	<b>1.3500e-003</b>	<b>0.1232</b>	<b>8.9000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.2000e-004</b>	<b>0.0335</b>		<b>134.5837</b>	<b>134.5837</b>	<b>4.6100e-003</b>		<b>134.6988</b>

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

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0639</b>	<b>0.0460</b>	<b>0.5135</b>	<b>1.3500e-003</b>	<b>0.1232</b>	<b>8.9000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.2000e-004</b>	<b>0.0335</b>		<b>134.5837</b>	<b>134.5837</b>	<b>4.6100e-003</b>		<b>134.6988</b>

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

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

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

**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6.1400e-003		179.5984
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

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

**3.6 Site Preparation - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

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

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

**4.0 Operational Detail - Mobile**

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

**4.1 Mitigation Measures Mobile**

Category	lb/day											CO2e				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2		NBio- CO2	Total CO2	CH4	N2O
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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**

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

Land Use	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
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	8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
<b>Total</b>		<b>0.0121</b>	<b>0.1031</b>	<b>0.0439</b>	<b>6.6000e-004</b>		<b>8.3400e-003</b>	<b>8.3400e-003</b>		<b>8.3400e-003</b>	<b>8.3400e-003</b>		<b>131.6327</b>	<b>131.6327</b>	<b>2.5200e-003</b>	<b>2.4100e-003</b>	<b>132.4149</b>

Mitigated

Land Use	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
lb/day																	
Single Family Housing	1.1888	0.0121	0.1031	0.0439	6.6000e-004	8.3400e-003	8.3400e-003	8.3400e-003	8.3400e-003	8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
<b>Total</b>		<b>0.0121</b>	<b>0.1031</b>	<b>0.0439</b>	<b>6.6000e-004</b>		<b>8.3400e-003</b>	<b>8.3400e-003</b>		<b>8.3400e-003</b>	<b>8.3400e-003</b>		<b>131.6327</b>	<b>131.6327</b>	<b>2.5200e-003</b>	<b>2.4100e-003</b>	<b>132.4149</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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

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

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>17.3190</b>	<b>0.3392</b>	<b>21.6837</b>	<b>0.0377</b>		<b>2.9186</b>	<b>2.9186</b>		<b>2.9186</b>	<b>2.9186</b>	<b>305.4890</b>	<b>129.7517</b>	<b>435.2408</b>	<b>0.2835</b>	<b>0.0240</b>	<b>449.4882</b>

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

**6.2 Area by SubCategory**

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0339					0.0000	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			0.0000
Hearth	16.8343	0.3288	20.7802	0.0377		2.9136	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	5.0300e-003		1.6341	1.6341	1.5600e-003		1.6730
<b>Total</b>	<b>17.3190</b>	<b>0.3392</b>	<b>21.6837</b>	<b>0.0377</b>		<b>2.9186</b>	<b>2.9186</b>	<b>2.9186</b>	<b>2.9186</b>	<b>2.9186</b>	<b>305.4890</b>	<b>129.7517</b>	<b>435.2408</b>	<b>0.2835</b>	<b>0.0240</b>	<b>449.4882</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

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

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.5060	0.1929	0.9812	1.2100e-003	0.0198	0.0198	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	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
<b>Total</b>	<b>0.6115</b>	<b>0.7941</b>	<b>2.2137</b>	<b>7.7100e-003</b>	<b>0.6937</b>	<b>0.0302</b>	<b>0.7239</b>	<b>0.1854</b>	<b>0.0300</b>	<b>0.2154</b>	<b>0.0000</b>	<b>967.7364</b>	<b>967.7364</b>	<b>0.0355</b>	<b>6.6800e-003</b>	<b>970.6148</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.5060	0.1929	0.9812	1.2100e-003	0.0198	0.0198	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	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
<b>Total</b>	<b>0.6115</b>	<b>0.7941</b>	<b>2.2137</b>	<b>7.7100e-003</b>	<b>0.6937</b>	<b>0.0302</b>	<b>0.7239</b>	<b>0.1854</b>	<b>0.0300</b>	<b>0.2154</b>	<b>0.0000</b>	<b>967.7364</b>	<b>967.7364</b>	<b>0.0355</b>	<b>6.6800e-003</b>	<b>970.6148</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>7.1494</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

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

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

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>7.1494</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

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

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

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	2,620.9351	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	1.2300e-003		35.9197
<b>Total</b>	<b>0.0222</b>	<b>0.1440</b>	<b>0.1718</b>	<b>6.4000e-004</b>	<b>0.0396</b>	<b>1.2700e-003</b>	<b>0.0409</b>	<b>0.0107</b>	<b>1.2100e-003</b>	<b>0.0119</b>			<b>65.7080</b>	<b>3.5900e-003</b>		<b>65.7978</b>

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

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	1.2300e-003		35.9197
<b>Total</b>	<b>0.0222</b>	<b>0.1440</b>	<b>0.1718</b>	<b>6.4000e-004</b>	<b>0.0396</b>	<b>1.2700e-003</b>	<b>0.0409</b>	<b>0.0107</b>	<b>1.2100e-003</b>	<b>0.0119</b>			<b>65.7080</b>	<b>3.5900e-003</b>		<b>65.7978</b>

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

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272		2.988.0216	2.988.0216	0.9302		3.011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>		<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0639</b>	<b>0.0460</b>	<b>0.5135</b>	<b>1.3500e-003</b>	<b>0.1232</b>	<b>8.9000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.2000e-004</b>	<b>0.0335</b>		<b>134.5837</b>	<b>134.5837</b>	<b>4.6100e-003</b>		<b>134.6988</b>



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

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272	0.0000	2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>	<b>0.0000</b>	<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0639</b>	<b>0.0460</b>	<b>0.5135</b>	<b>1.3500e-003</b>	<b>0.1232</b>	<b>8.9000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.2000e-004</b>	<b>0.0335</b>		<b>134.5837</b>	<b>134.5837</b>	<b>4.6100e-003</b>		<b>134.6988</b>

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

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

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

**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6.1400e-003		179.5984
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

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

**3.6 Site Preparation - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

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

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

**4.0 Operational Detail - Mobile**

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

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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	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**

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

Land Use	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
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	8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
<b>Total</b>		<b>0.0121</b>	<b>0.1031</b>	<b>0.0439</b>	<b>6.6000e-004</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>		<b>131.6327</b>	<b>131.6327</b>	<b>2.5200e-003</b>	<b>2.4100e-003</b>	<b>132.4149</b>

Mitigated

Land Use	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
lb/day																	
Single Family Housing	1.1888	0.0121	0.1031	0.0439	6.6000e-004	8.3400e-003	8.3400e-003	8.3400e-003	8.3400e-003	8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
<b>Total</b>		<b>0.0121</b>	<b>0.1031</b>	<b>0.0439</b>	<b>6.6000e-004</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>		<b>131.6327</b>	<b>131.6327</b>	<b>2.5200e-003</b>	<b>2.4100e-003</b>	<b>132.4149</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	0.5060	0.1929	0.9812	1.2100e-003	0.0198	0.0198	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	0.0198	0.0198	0.0000	234.5753	234.5753	6.0200e-003	4.2700e-003	235.9984

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0339				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.0214	0.1825	0.0777	1.1600e-003	0.0148	0.0148	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	5.0300e-003	5.0300e-003	1.6341	1.6341	1.6341	1.5600e-003		1.6730
<b>Total</b>	<b>0.5060</b>	<b>0.1929</b>	<b>0.9812</b>	<b>1.2100e-003</b>	<b>0.0198</b>	<b>0.0198</b>	<b>0.0198</b>	<b>0.0198</b>	<b>0.0198</b>	<b>0.0198</b>	<b>0.0000</b>	<b>234.5753</b>	<b>234.5753</b>	<b>6.0200e-003</b>	<b>4.2700e-003</b>	<b>235.9984</b>

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

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0339					0.0000	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			0.0000
Hearth	0.0214	0.1825	0.0777	1.1600e-003		0.0148	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	5.0300e-003		1.6341	1.6341	1.5600e-003		1.6730
<b>Total</b>	<b>0.5060</b>	<b>0.1929</b>	<b>0.9812</b>	<b>1.2100e-003</b>		<b>0.0198</b>	<b>0.0198</b>		<b>0.0198</b>	<b>0.0198</b>	<b>0.0000</b>	<b>234.5753</b>	<b>234.5753</b>	<b>6.0200e-003</b>	<b>4.2700e-003</b>	<b>235.9984</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	17.3190	0.3392	21.6837	0.0377	2.9186	2.9186	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	8.3400e-003	8.3400e-003	131.6327	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	572.7577	0.0271		573.4356
<b>Total</b>	<b>17.4224</b>	<b>0.9468</b>	<b>22.8874</b>	<b>0.0439</b>	<b>0.6937</b>	<b>2.9290</b>	<b>3.6227</b>	<b>0.1854</b>	<b>2.9289</b>	<b>3.1143</b>	<b>305.4890</b>	<b>834.1421</b>	<b>1,139.631</b> <sub>1</sub>	<b>0.3131</b>	<b>0.0264</b>	<b>1,155.338</b> <sub>6</sub>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	17.3190	0.3392	21.6837	0.0377	2.9186	2.9186	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	8.3400e-003	8.3400e-003	131.6327	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	572.7577	0.0271		573.4356
<b>Total</b>	<b>17.4224</b>	<b>0.9468</b>	<b>22.8874</b>	<b>0.0439</b>	<b>0.6937</b>	<b>2.9290</b>	<b>3.6227</b>	<b>0.1854</b>	<b>2.9289</b>	<b>3.1143</b>	<b>305.4890</b>	<b>834.1421</b>	<b>1,139.631</b> <sub>1</sub>	<b>0.3131</b>	<b>0.0264</b>	<b>1,155.338</b> <sub>6</sub>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>7.1494</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

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

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

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	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
<b>Total</b>	<b>7.1494</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

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

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

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999	1.4099	1.4099	1.4099		2.620.9351	2.620.9351	0.6421		2.636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>		<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>		<b>2.620.9351</b>	<b>2.620.9351</b>	<b>0.6421</b>		<b>2.636.9883</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0246</b>	<b>0.1458</b>	<b>0.1685</b>	<b>6.1000e-004</b>	<b>0.0396</b>	<b>1.2900e-003</b>	<b>0.0409</b>	<b>0.0107</b>	<b>1.2200e-003</b>	<b>0.0119</b>		<b>62.7629</b>	<b>62.7629</b>	<b>3.6900e-003</b>		<b>62.8550</b>

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

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	1.1700e-003		33.7223
<b>Total</b>	<b>0.0246</b>	<b>0.1458</b>	<b>0.1685</b>	<b>6.1000e-004</b>	<b>0.0396</b>	<b>1.2900e-003</b>	<b>0.0409</b>	<b>0.0107</b>	<b>1.2200e-003</b>	<b>0.0119</b>			<b>62.7629</b>	<b>3.6900e-003</b>		<b>62.8550</b>

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

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272		2.988.0216	2.988.0216	0.9302		3.011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>		<b>2.988.0216</b>	<b>2.988.0216</b>	<b>0.9302</b>		<b>3.011.2769</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0721</b>	<b>0.0516</b>	<b>0.4871</b>	<b>1.2700e-003</b>	<b>0.1232</b>	<b>8.9000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.2000e-004</b>	<b>0.0335</b>		<b>126.3491</b>	<b>126.3491</b>	<b>4.3800e-003</b>		<b>126.4586</b>

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

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.3800e-003		126.4586
<b>Total</b>	<b>0.0721</b>	<b>0.0516</b>	<b>0.4871</b>	<b>1.2700e-003</b>	<b>0.1232</b>	<b>8.9000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.2000e-004</b>	<b>0.0335</b>		<b>126.3491</b>	<b>126.3491</b>	<b>4.3800e-003</b>		<b>126.4586</b>

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

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>168.4655</b>	<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>



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

**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.8400e-003		168.6114
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>			<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

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

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

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

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

**4.0 Operational Detail - Mobile**

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

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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	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

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

Land Use	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
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	8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
<b>Total</b>		<b>0.0121</b>	<b>0.1031</b>	<b>0.0439</b>	<b>6.6000e-004</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>		<b>131.6327</b>	<b>131.6327</b>	<b>2.5200e-003</b>	<b>2.4100e-003</b>	<b>132.4149</b>

**Mitigated**

Land Use	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
lb/day																	
Single Family Housing	1.1888	0.0121	0.1031	0.0439	6.6000e-004	8.3400e-003	8.3400e-003	8.3400e-003	8.3400e-003	8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
<b>Total</b>		<b>0.0121</b>	<b>0.1031</b>	<b>0.0439</b>	<b>6.6000e-004</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>		<b>131.6327</b>	<b>131.6327</b>	<b>2.5200e-003</b>	<b>2.4100e-003</b>	<b>132.4149</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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

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

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>17.3190</b>	<b>0.3392</b>	<b>21.6837</b>	<b>0.0377</b>		<b>2.9186</b>	<b>2.9186</b>		<b>2.9186</b>	<b>2.9186</b>	<b>305.4890</b>	<b>129.7517</b>	<b>435.2408</b>	<b>0.2835</b>	<b>0.0240</b>	<b>449.4882</b>

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

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0339					0.0000	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			0.0000
Hearth	16.8343	0.3288	20.7802	0.0377		2.9136	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	5.0300e-003		1.6341	1.6341	1.5600e-003		1.6730
<b>Total</b>	<b>17.3190</b>	<b>0.3392</b>	<b>21.6837</b>	<b>0.0377</b>		<b>2.9186</b>	<b>2.9186</b>	<b>2.9186</b>	<b>2.9186</b>	<b>2.9186</b>	<b>305.4890</b>	<b>129.7517</b>	<b>435.2408</b>	<b>0.2835</b>	<b>0.0240</b>	<b>449.4882</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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, 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	6.05	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**

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

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.5060	0.1929	0.9812	1.2100e-003	0.0198	0.0198	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	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
<b>Total</b>	<b>0.6094</b>	<b>0.8006</b>	<b>2.1849</b>	<b>7.4200e-003</b>	<b>0.6937</b>	<b>0.0302</b>	<b>0.7239</b>	<b>0.1854</b>	<b>0.0300</b>	<b>0.2154</b>	<b>0.0000</b>	<b>938.9656</b>	<b>938.9656</b>	<b>0.0357</b>	<b>6.6800e-003</b>	<b>941.8489</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.5060	0.1929	0.9812	1.2100e-003	0.0198	0.0198	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	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
<b>Total</b>	<b>0.6094</b>	<b>0.8006</b>	<b>2.1849</b>	<b>7.4200e-003</b>	<b>0.6937</b>	<b>0.0302</b>	<b>0.7239</b>	<b>0.1854</b>	<b>0.0300</b>	<b>0.2154</b>	<b>0.0000</b>	<b>938.9656</b>	<b>938.9656</b>	<b>0.0357</b>	<b>6.6800e-003</b>	<b>941.8489</b>

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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
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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.0238		282.0423
<b>Total</b>	<b>7.1494</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>			<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

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

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

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	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
<b>Total</b>	<b>7.1494</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

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

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

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	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	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	1.1700e-003		33.7223
<b>Total</b>	<b>0.0246</b>	<b>0.1458</b>	<b>0.1685</b>	<b>6.1000e-004</b>	<b>0.0396</b>	<b>1.2900e-003</b>	<b>0.0409</b>	<b>0.0107</b>	<b>1.2200e-003</b>	<b>0.0119</b>			<b>62.7629</b>	<b>3.6900e-003</b>		<b>62.8550</b>

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

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	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	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	1.1700e-003		33.7223
<b>Total</b>	<b>0.0246</b>	<b>0.1458</b>	<b>0.1685</b>	<b>6.1000e-004</b>	<b>0.0396</b>	<b>1.2900e-003</b>	<b>0.0409</b>	<b>0.0107</b>	<b>1.2200e-003</b>	<b>0.0119</b>			<b>62.7629</b>	<b>3.6900e-003</b>		<b>62.8550</b>

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

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272		2.988.0216	2.988.0216	0.9302		3.011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>		<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0721</b>	<b>0.0516</b>	<b>0.4871</b>	<b>1.2700e-003</b>	<b>0.1232</b>	<b>8.9000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.2000e-004</b>	<b>0.0335</b>		<b>126.3491</b>	<b>126.3491</b>	<b>4.3800e-003</b>		<b>126.4586</b>

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

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.3800e-003		126.4586
<b>Total</b>	<b>0.0721</b>	<b>0.0516</b>	<b>0.4871</b>	<b>1.2700e-003</b>	<b>0.1232</b>	<b>8.9000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.2000e-004</b>	<b>0.0335</b>		<b>126.3491</b>	<b>126.3491</b>	<b>4.3800e-003</b>		<b>126.4586</b>

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

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>168.4655</b>	<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

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

**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.8400e-003		168.6114
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>			<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>



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

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

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

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

**4.0 Operational Detail - Mobile**

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

**4.1 Mitigation Measures Mobile**

Category	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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	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

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

**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

Land Use	Natural Gas Use kBtu/yr	CO	NOx	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Single Family Housing	1118.88	0.0439	0.1031	6.6000e-004	8.3400e-003	8.3400e-003	8.3400e-003	8.3400e-003	8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
<b>Total</b>		<b>0.0439</b>	<b>0.1031</b>	<b>6.6000e-004</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>		<b>131.6327</b>	<b>131.6327</b>	<b>2.5200e-003</b>	<b>2.4100e-003</b>	<b>132.4149</b>

**Mitigated**

Land Use	Natural Gas Use kBtu/yr	CO	NOx	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Single Family Housing	1.1888	0.0439	0.1031	6.6000e-004	8.3400e-003	8.3400e-003	8.3400e-003	8.3400e-003	8.3400e-003	8.3400e-003		131.6327	131.6327	2.5200e-003	2.4100e-003	132.4149
<b>Total</b>		<b>0.0439</b>	<b>0.1031</b>	<b>6.6000e-004</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>	<b>8.3400e-003</b>		<b>131.6327</b>	<b>131.6327</b>	<b>2.5200e-003</b>	<b>2.4100e-003</b>	<b>132.4149</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	0.5060	0.1929	0.9812	1.2100e-003	0.0198	0.0198	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	0.0198	0.0198	0.0000	234.5753	234.5753	6.0200e-003	4.2700e-003	235.9984

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0339				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.0214	0.1825	0.0777	1.1600e-003	0.0148	0.0148	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	5.0300e-003	5.0300e-003	1.6341	1.6341	1.6341	1.5600e-003		1.6730
<b>Total</b>	<b>0.5060</b>	<b>0.1929</b>	<b>0.9812</b>	<b>1.2100e-003</b>	<b>0.0198</b>	<b>0.0198</b>	<b>0.0198</b>	<b>0.0198</b>	<b>0.0198</b>	<b>0.0198</b>	<b>0.0000</b>	<b>234.5753</b>	<b>234.5753</b>	<b>6.0200e-003</b>	<b>4.2700e-003</b>	<b>235.9984</b>

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

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0339					0.0000	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			0.0000
Hearth	0.0214	0.1825	0.0777	1.1600e-003		0.0148	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	5.0300e-003		1.6341	1.6341	1.5600e-003		1.6730
<b>Total</b>	<b>0.5060</b>	<b>0.1929</b>	<b>0.9812</b>	<b>1.2100e-003</b>		<b>0.0198</b>	<b>0.0198</b>		<b>0.0198</b>	<b>0.0198</b>	<b>0.0000</b>	<b>234.5753</b>	<b>234.5753</b>	<b>6.0200e-003</b>	<b>4.2700e-003</b>	<b>235.9984</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	53.5316	1.0484	67.0223	0.1165	9.0212	9.0212	9.0212	9.0212	9.0212	9.0212	944.2388	401.0508	1,345,289.6	0.8762	0.0743	1,389,327.1
Energy	0.0373	0.3187	0.1356	2.0300e-003	0.0258	0.0258	0.0258	0.0258	0.0258	0.0258	406.8647	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	1,859,269.9	1,859,269.9	1,859,269.9	0.0832		1,861,350.0
<b>Total</b>	<b>53.8574</b>	<b>2.9066</b>	<b>70.8320</b>	<b>0.1366</b>	<b>2.1441</b>	<b>9.0532</b>	<b>11.1973</b>	<b>0.5730</b>	<b>9.0528</b>	<b>9.6259</b>	<b>944.2388</b>	<b>2,667,185.4</b>	<b>3,611,424.2</b>	<b>0.9672</b>	<b>0.0817</b>	<b>3,659,959.6</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	53.5316	1.0484	67.0223	0.1165	9.0212	9.0212	9.0212	9.0212	9.0212	9.0212	944.2388	401.0508	1,345,289.6	0.8762	0.0743	1,389,327.1
Energy	0.0373	0.3187	0.1356	2.0300e-003	0.0258	0.0258	0.0258	0.0258	0.0258	0.0258	406.8647	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	1,859,269.9	1,859,269.9	1,859,269.9	0.0832		1,861,350.0
<b>Total</b>	<b>53.8574</b>	<b>2.9066</b>	<b>70.8320</b>	<b>0.1366</b>	<b>2.1441</b>	<b>9.0532</b>	<b>11.1973</b>	<b>0.5730</b>	<b>9.0528</b>	<b>9.6259</b>	<b>944.2388</b>	<b>2,667,185.4</b>	<b>3,611,424.2</b>	<b>0.9672</b>	<b>0.0817</b>	<b>3,659,959.6</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	19.1472				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>19.4136</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>7.8500e-003</b>	<b>5.4800e-003</b>	<b>0.0619</b>	<b>1.7000e-004</b>	<b>0.0164</b>	<b>1.2000e-004</b>	<b>0.0166</b>	<b>4.3600e-003</b>	<b>1.1000e-004</b>	<b>4.4700e-003</b>		<b>17.4040</b>	<b>17.4040</b>	<b>5.6000e-004</b>		<b>17.4179</b>

North County 18A, UM - San Diego County, Summer

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	19.1472				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>19.4136</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0764	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003	17.4040	17.4040	17.4040	5.6000e-004		17.4179
<b>Total</b>	<b>7.8500e-003</b>	<b>5.4800e-003</b>	<b>0.0619</b>	<b>1.7000e-004</b>	<b>0.0764</b>	<b>1.2000e-004</b>	<b>0.0166</b>	<b>4.3600e-003</b>	<b>1.1000e-004</b>	<b>4.4700e-003</b>	<b>17.4040</b>	<b>17.4040</b>	<b>17.4040</b>	<b>5.6000e-004</b>		<b>17.4179</b>



North County 18A, UM - San Diego County, Summer

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099		2.620.9351	2.620.9351	0.6421		2.636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>		<b>2.620.9351</b>	<b>2.620.9351</b>	<b>0.6421</b>		<b>2.636.9883</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0717</b>	<b>0.5638</b>	<b>0.5504</b>	<b>2.1900e-003</b>	<b>0.1257</b>	<b>4.8300e-003</b>	<b>0.1305</b>	<b>0.0340</b>	<b>4.5900e-003</b>	<b>0.0385</b>		<b>226.9429</b>	<b>226.9429</b>	<b>0.0131</b>		<b>227.2713</b>

North County 18A, UM - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	3.6800e-003		107.7591
<b>Total</b>	<b>0.0717</b>	<b>0.5638</b>	<b>0.5504</b>	<b>2.1900e-003</b>	<b>0.1257</b>	<b>4.8300e-003</b>	<b>0.1305</b>	<b>0.0340</b>	<b>4.5900e-003</b>	<b>0.0385</b>			<b>226.9429</b>	<b>0.0131</b>		<b>227.2713</b>

North County 18A, UM - San Diego County, Summer

**3.3 Building Construction - 2019**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	2,591.580 <sub>2</sub>	2,591.580 <sub>2</sub>	2,591.580 <sub>2</sub>	0.6313		2,607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>2,591.580<sub>2</sub></b>	<b>2,591.580<sub>2</sub></b>	<b>2,591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2,607.363<sub>5</sub></b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	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	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	3.3300e-003		104.5073
<b>Total</b>	<b>0.0655</b>	<b>0.5288</b>	<b>0.4993</b>	<b>2.1500e-003</b>	<b>0.1257</b>	<b>4.1500e-003</b>	<b>0.1298</b>	<b>0.0340</b>	<b>3.9500e-003</b>	<b>0.0379</b>			<b>222.8306</b>	<b>0.0125</b>		<b>223.1425</b>

North County 18A, UM - San Diego County, Summer

**3.3 Building Construction - 2019**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	3.3300e-003		104.5073
<b>Total</b>	<b>0.0655</b>	<b>0.5288</b>	<b>0.4993</b>	<b>2,1500e-003</b>	<b>0.1257</b>	<b>4.1500e-003</b>	<b>0.1298</b>	<b>0.0340</b>	<b>3.9500e-003</b>	<b>0.0379</b>			<b>222.8306</b>	<b>0.0125</b>		<b>223.1425</b>

North County 18A, UM - San Diego County, Summer

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

North County 18A, UM - San Diego County, Summer

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6.1400e-003		179.5984
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>			<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

North County 18A, UM - San Diego County, Summer

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0589</b>	<b>0.0411</b>	<b>0.4641</b>	<b>1.3100e-003</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>		<b>130.5300</b>	<b>130.5300</b>	<b>4.1700e-003</b>		<b>130.6342</b>

North County 18A, UM - San Diego County, Summer

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.1700e-003		130.6342
<b>Total</b>	<b>0.0589</b>	<b>0.0411</b>	<b>0.4641</b>	<b>1.3100e-003</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>		<b>130.5300</b>	<b>130.5300</b>	<b>4.1700e-003</b>		<b>130.6342</b>



North County 18A, UM - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

North County 18A, UM - San Diego County, Summer

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

**4.0 Operational Detail - Mobile**

North County 18A, UM - San Diego County, Summer

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.2886	1.5395	3.6741	0.0180	2.1441	6.3100e-003	2.1504	0.5730	5.8800e-003	0.5789		1,859,269	1,859,269	0.0832		1,861,350
Unmitigated	0.2886	1.5395	3.6741	0.0180	2.1441	6.3100e-003	2.1504	0.5730	5.8800e-003	0.5789		1,859,269	1,859,269	0.0832		1,861,350

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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	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

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0373	0.3187	0.1356	2.0300e-003	0.0258	0.0258	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	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 - Natural Gas**

**Unmitigated**

Land Use	Natural Gas Use kBtu/yr	CO	NOx	SO2	PM10 Fugitive	Exhaust PM10	PM10 Total	PM2.5 Fugitive	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Single Family Housing	3458.35	0.1356	0.3187	2.0300e-003	0.0258	0.0258	0.0258	0.0258	0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
<b>Total</b>		<b>0.1356</b>	<b>0.3187</b>	<b>2.0300e-003</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>		<b>406.8647</b>	<b>406.8647</b>	<b>7.8000e-003</b>	<b>7.4600e-003</b>	<b>409.2825</b>

**Mitigated**

Land Use	Natural Gas Use kBtu/yr	CO	NOx	SO2	PM10 Fugitive	Exhaust PM10	PM10 Total	PM2.5 Fugitive	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Single Family Housing	3458.35	0.1356	0.3187	2.0300e-003	0.0258	0.0258	0.0258	0.0258	0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
<b>Total</b>		<b>0.1356</b>	<b>0.3187</b>	<b>2.0300e-003</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>		<b>406.8647</b>	<b>406.8647</b>	<b>7.8000e-003</b>	<b>7.4600e-003</b>	<b>409.2825</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

North County 18A, UM - San Diego County, Summer

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	53.5316	1.0484	67.0223	0.1165	9.0212	9.0212	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	9.0212	9.0212	944.2388	401.0508	1,345.2896	0.8762	0.0743	1,389.3271

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.1049				0.0000	0.0000	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			0.0000			0.0000
Hearth	52.0334	1.0162	64.2296	0.1164	9.0056	9.0056	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	0.0156	0.0156	5.0508	5.0508	5.0508	4.8100e-003		5.1710
<b>Total</b>	<b>53.5316</b>	<b>1.0484</b>	<b>67.0223</b>	<b>0.1165</b>	<b>9.0212</b>	<b>9.0212</b>	<b>9.0212</b>	<b>9.0212</b>	<b>9.0212</b>	<b>9.0212</b>	<b>944.2388</b>	<b>401.0508</b>	<b>1,345.2896</b>	<b>0.8762</b>	<b>0.0743</b>	<b>1,389.3271</b>

North County 18A, UM - San Diego County, Summer

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.1049				0.0000	0.0000	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			0.0000			0.0000
Hearth	52.0334	1.0162	64.2296	0.1164	9.0056	9.0056	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	0.0156	0.0156	5.0508	5.0508	5.0508	4.8100e-003		5.1710
<b>Total</b>	<b>53.5316</b>	<b>1.0484</b>	<b>67.0223</b>	<b>0.1165</b>	<b>9.0212</b>	<b>9.0212</b>	<b>9.0212</b>	<b>9.0212</b>	<b>9.0212</b>	<b>9.0212</b>	<b>944.2388</b>	<b>401.0508</b>	<b>1,345.2896</b>	<b>0.8762</b>	<b>0.0743</b>	<b>1,389.3271</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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**

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North County 18A, M - San Diego County, Summer

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.5641	0.5962	3.0327	3.7500e-003	0.0612	0.0612	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	0.0258	0.0258	406.8647	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	1,859,269	1,859,269	1,859,269	0.0832		1,861,350
<b>Total</b>	<b>1.8900</b>	<b>2.4544</b>	<b>6.8424</b>	<b>0.0238</b>	<b>2.1441</b>	<b>0.0932</b>	<b>2.2373</b>	<b>0.5730</b>	<b>0.0928</b>	<b>0.6659</b>	<b>0.0000</b>	<b>2,991,185</b>	<b>2,991,185</b>	<b>0.1096</b>	<b>0.0207</b>	<b>3,000,082</b>
lb/day																

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.5641	0.5962	3.0327	3.7500e-003	0.0612	0.0612	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	0.0258	0.0258	406.8647	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	1,859,269	1,859,269	1,859,269	0.0832		1,861,350
<b>Total</b>	<b>1.8900</b>	<b>2.4544</b>	<b>6.8424</b>	<b>0.0238</b>	<b>2.1441</b>	<b>0.0932</b>	<b>2.2373</b>	<b>0.5730</b>	<b>0.0928</b>	<b>0.6659</b>	<b>0.0000</b>	<b>2,991,185</b>	<b>2,991,185</b>	<b>0.1096</b>	<b>0.0207</b>	<b>3,000,082</b>
lb/day																

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	19.1472				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>19.4136</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>7.8500e-003</b>	<b>5.4800e-003</b>	<b>0.0619</b>	<b>1.7000e-004</b>	<b>0.0164</b>	<b>1.2000e-004</b>	<b>0.0166</b>	<b>4.3600e-003</b>	<b>1.1000e-004</b>	<b>4.4700e-003</b>		<b>17.4040</b>	<b>17.4040</b>	<b>5.6000e-004</b>		<b>17.4179</b>



North County 18A, M - San Diego County, Summer

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>19.4136</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0764	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003	17.4040	17.4040	17.4040	5.6000e-004		17.4179
<b>Total</b>	<b>7.8500e-003</b>	<b>5.4800e-003</b>	<b>0.0619</b>	<b>1.7000e-004</b>	<b>0.0764</b>	<b>1.2000e-004</b>	<b>0.0166</b>	<b>4.3600e-003</b>	<b>1.1000e-004</b>	<b>4.4700e-003</b>	<b>17.4040</b>	<b>17.4040</b>	<b>17.4040</b>	<b>5.6000e-004</b>		<b>17.4179</b>

North County 18A, M - San Diego County, Summer

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	2,620.9351	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	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	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	3.6800e-003		107.7591
<b>Total</b>	<b>0.0717</b>	<b>0.5638</b>	<b>0.5504</b>	<b>2.1900e-003</b>	<b>0.1257</b>	<b>4.8300e-003</b>	<b>0.1305</b>	<b>0.0340</b>	<b>4.5900e-003</b>	<b>0.0385</b>			<b>226.9429</b>	<b>0.0131</b>		<b>227.2713</b>

North County 18A, M - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	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	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	3.6800e-003		107.7591
<b>Total</b>	<b>0.0717</b>	<b>0.5638</b>	<b>0.5504</b>	<b>2.1900e-003</b>	<b>0.1257</b>	<b>4.8300e-003</b>	<b>0.1305</b>	<b>0.0340</b>	<b>4.5900e-003</b>	<b>0.0385</b>			<b>226.9429</b>	<b>0.0131</b>		<b>227.2713</b>

North County 18A, M - San Diego County, Summer

**3.3 Building Construction - 2019**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	2,591.580 <sub>2</sub>	2,591.580 <sub>2</sub>	2,591.580 <sub>2</sub>	0.6313		2,607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>2,591.580<sub>2</sub></b>	<b>2,591.580<sub>2</sub></b>	<b>2,591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2,607.363<sub>5</sub></b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	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	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	3.3300e-003		104.5073
<b>Total</b>	<b>0.0655</b>	<b>0.5288</b>	<b>0.4993</b>	<b>2.1500e-003</b>	<b>0.1257</b>	<b>4.1500e-003</b>	<b>0.1298</b>	<b>0.0340</b>	<b>3.9500e-003</b>	<b>0.0379</b>			<b>222.8306</b>	<b>0.0125</b>		<b>223.1425</b>

North County 18A, M - San Diego County, Summer

**3.3 Building Construction - 2019**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	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	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	104.4240	3.3300e-003		104.5073
<b>Total</b>	<b>0.0655</b>	<b>0.5288</b>	<b>0.4993</b>	<b>2,1500e-003</b>	<b>0.1257</b>	<b>4.1500e-003</b>	<b>0.1298</b>	<b>0.0340</b>	<b>3.9500e-003</b>	<b>0.0379</b>	<b>222.8306</b>	<b>222.8306</b>	<b>222.8306</b>	<b>0.0125</b>		<b>223.1425</b>

North County 18A, M - San Diego County, Summer

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

North County 18A, M - San Diego County, Summer

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6.1400e-003		179.5984
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

North County 18A, M - San Diego County, Summer

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0589</b>	<b>0.0411</b>	<b>0.4641</b>	<b>1.3100e-003</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>		<b>130.5300</b>	<b>130.5300</b>	<b>4.1700e-003</b>		<b>130.6342</b>



North County 18A, M - San Diego County, Summer

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.1700e-003		130.6342
<b>Total</b>	<b>0.0589</b>	<b>0.0411</b>	<b>0.4641</b>	<b>1.3100e-003</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>		<b>130.5300</b>	<b>130.5300</b>	<b>4.1700e-003</b>		<b>130.6342</b>

North County 18A, M - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

North County 18A, M - San Diego County, Summer

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

**4.0 Operational Detail - Mobile**

North County 18A, M - San Diego County, Summer

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.2886	1.5395	3.6741	0.0180	2.1441	6.3100e-003	2.1504	0.5730	5.8800e-003	0.5789		1,859,269	1,859,269	0.0832		1,861,350
Unmitigated	0.2886	1.5395	3.6741	0.0180	2.1441	6.3100e-003	2.1504	0.5730	5.8800e-003	0.5789		1,859,269	1,859,269	0.0832		1,861,350

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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	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

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0373	0.3187	0.1356	2.0300e-003	0.0258	0.0258	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	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 - Natural Gas**

Unmitigated

Land Use	Natural Gas Use kBtu/yr	CO <sub>2</sub>	NOx	CO	SO <sub>2</sub>	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
lb/day																		
Single Family Housing	3458.35	0.0373	0.3187	0.1356	2.0300e-003	0.0258	0.0258	0.0258	0.0258	0.0258	0.0258	0.0258	406.8647	406.8647	7.8000e-003	7.4600e-003	7.4600e-003	409.2825
<b>Total</b>		<b>0.0373</b>	<b>0.3187</b>	<b>0.1356</b>	<b>2.0300e-003</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>406.8647</b>	<b>406.8647</b>	<b>7.8000e-003</b>	<b>7.4600e-003</b>	<b>7.4600e-003</b>	<b>409.2825</b>

Mitigated

Land Use	Natural Gas Use kBtu/yr	CO <sub>2</sub>	NOx	CO	SO <sub>2</sub>	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
lb/day																		
Single Family Housing	3458.35	0.0373	0.3187	0.1356	2.0300e-003	0.0258	0.0258	0.0258	0.0258	0.0258	0.0258	0.0258	406.8647	406.8647	7.8000e-003	7.4600e-003	7.4600e-003	409.2825
<b>Total</b>		<b>0.0373</b>	<b>0.3187</b>	<b>0.1356</b>	<b>2.0300e-003</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>406.8647</b>	<b>406.8647</b>	<b>7.8000e-003</b>	<b>7.4600e-003</b>	<b>7.4600e-003</b>	<b>409.2825</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

North County 18A, M - San Diego County, Summer

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Mitigated	1.5641	0.5962	3.0327	3.7500e-003	0.0612	0.0612	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	0.0612	0.0612	0.0000	725.0508	725.0508	0.0186	0.0132	729.4496

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.1049				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.0660	0.5640	0.2400	3.6000e-003	0.0456	0.0456	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	0.0156	0.0156		5.0508	5.0508	4.8100e-003		5.1710
<b>Total</b>	<b>1.5641</b>	<b>0.5962</b>	<b>3.0327</b>	<b>3.7500e-003</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0000</b>	<b>725.0508</b>	<b>725.0508</b>	<b>0.0186</b>	<b>0.0132</b>	<b>729.4496</b>

North County 18A, M - San Diego County, Summer

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.1049					0.0000	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			0.0000
Hearth	0.0660	0.5640	0.2400	3.6000e-003		0.0456	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	0.0156		5.0508	5.0508	4.8100e-003		5.1710
<b>Total</b>	<b>1.5641</b>	<b>0.5962</b>	<b>3.0327</b>	<b>3.7500e-003</b>		<b>0.0612</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0000</b>	<b>725.0508</b>	<b>725.0508</b>	<b>0.0186</b>	<b>0.0132</b>	<b>729.4496</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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/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, 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

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	53.5316	1.0484	67.0223	0.1165	9.0212	9.0212	9.0212	9.0212	9.0212	9.0212	944.2388	401.0508	1,345,289 <sup>6</sup>	0.8762	0.0743	1,389,327 <sup>1</sup>
Energy	0.0373	0.3187	0.1356	2.0300e-003	0.0258	0.0258	0.0258	0.0258	0.0258	0.0258	406.8647	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	1,770.341 <sup>8</sup>	1,770.341 <sup>8</sup>	1,770.341 <sup>8</sup>	0.0838		1,772,437 <sup>2</sup>
<b>Total</b>	<b>53.8511</b>	<b>2.9266</b>	<b>70.7429</b>	<b>0.1357</b>	<b>2.1441</b>	<b>9.0533</b>	<b>11.1973</b>	<b>0.5730</b>	<b>9.0528</b>	<b>9.6259</b>	<b>944.2388</b>	<b>2,578.257<sup>3</sup></b>	<b>3,522.496<sup>1</sup></b>	<b>0.9678</b>	<b>0.0817</b>	<b>3,571,046<sup>7</sup></b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	53.5316	1.0484	67.0223	0.1165	9.0212	9.0212	9.0212	9.0212	9.0212	9.0212	944.2388	401.0508	1,345,289 <sup>6</sup>	0.8762	0.0743	1,389,327 <sup>1</sup>
Energy	0.0373	0.3187	0.1356	2.0300e-003	0.0258	0.0258	0.0258	0.0258	0.0258	0.0258	406.8647	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	1,770.341 <sup>8</sup>	1,770.341 <sup>8</sup>	1,770.341 <sup>8</sup>	0.0838		1,772,437 <sup>2</sup>
<b>Total</b>	<b>53.8511</b>	<b>2.9266</b>	<b>70.7429</b>	<b>0.1357</b>	<b>2.1441</b>	<b>9.0533</b>	<b>11.1973</b>	<b>0.5730</b>	<b>9.0528</b>	<b>9.6259</b>	<b>944.2388</b>	<b>2,578.257<sup>3</sup></b>	<b>3,522.496<sup>1</sup></b>	<b>0.9678</b>	<b>0.0817</b>	<b>3,571,046<sup>7</sup></b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	19.1472				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>19.4136</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>8.8800e-003</b>	<b>6.1500e-003</b>	<b>0.0585</b>	<b>1.6000e-004</b>	<b>0.0164</b>	<b>1.2000e-004</b>	<b>0.0166</b>	<b>4.3600e-003</b>	<b>1.1000e-004</b>	<b>4.4700e-003</b>		<b>16.3383</b>	<b>16.3383</b>	<b>5.3000e-004</b>		<b>16.3515</b>



North County 18A, UM - San Diego County, Winter

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>19.4136</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0764	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		16.3383	16.3383	5.3000e-004		16.3515
<b>Total</b>	<b>8.8800e-003</b>	<b>6.1500e-003</b>	<b>0.0585</b>	<b>1.6000e-004</b>	<b>0.0764</b>	<b>1.2000e-004</b>	<b>0.0166</b>	<b>4.3600e-003</b>	<b>1.1000e-004</b>	<b>4.4700e-003</b>		<b>16.3383</b>	<b>16.3383</b>	<b>5.3000e-004</b>		<b>16.3515</b>

North County 18A, UM - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	2,620.9351	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	3.5000e-003		101.1669
<b>Total</b>	<b>0.0792</b>	<b>0.5692</b>	<b>0.5441</b>	<b>2.1100e-003</b>	<b>0.1257</b>	<b>4.9000e-003</b>	<b>0.1306</b>	<b>0.0340</b>	<b>4.6600e-003</b>	<b>0.0386</b>			<b>217.3585</b>	<b>0.0136</b>		<b>217.6976</b>

North County 18A, UM - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2.620.935 <sub>1</sub>	2.620.935 <sub>1</sub>	0.6421		2.636.988 <sub>3</sub>
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2.620.935<sub>1</sub></b>	<b>2.620.935<sub>1</sub></b>	<b>0.6421</b>		<b>2.636.988<sub>3</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	3.5000e-003		101.1669
<b>Total</b>	<b>0.0792</b>	<b>0.5692</b>	<b>0.5441</b>	<b>2.1100e-003</b>	<b>0.1257</b>	<b>4.9000e-003</b>	<b>0.1306</b>	<b>0.0340</b>	<b>4.6600e-003</b>	<b>0.0386</b>			<b>217.3585</b>	<b>0.0136</b>		<b>217.6976</b>

North County 18A, UM - San Diego County, Winter

**3.3 Building Construction - 2019**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899	1.2127	1.2127	1.2127		2.591.580 <sub>2</sub>	2.591.580 <sub>2</sub>	0.6313		2.607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>		<b>2.591.580<sub>2</sub></b>	<b>2.591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2.607.363<sub>5</sub></b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0725</b>	<b>0.5333</b>	<b>0.4928</b>	<b>2.0600e-003</b>	<b>0.1257</b>	<b>4.2100e-003</b>	<b>0.1299</b>	<b>0.0340</b>	<b>4.0100e-003</b>	<b>0.0379</b>		<b>213.4298</b>	<b>213.4298</b>	<b>0.0129</b>		<b>213.7520</b>

North County 18A, UM - San Diego County, Winter

**3.3 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0725</b>	<b>0.5333</b>	<b>0.4928</b>	<b>2.0600e-003</b>	<b>0.1257</b>	<b>4.2100e-003</b>	<b>0.1299</b>	<b>0.0340</b>	<b>4.0100e-003</b>	<b>0.0379</b>		<b>213.4298</b>	<b>213.4298</b>	<b>0.0129</b>		<b>213.7520</b>

North County 18A, UM - San Diego County, Winter

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>168.4655</b>	<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

North County 18A, UM - San Diego County, Winter

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.8400e-003		168.6114
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>			<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

North County 18A, UM - San Diego County, Winter

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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	1,230.0e-003	0.1232	8,800.0e-004	0.1241	0.0327	8,100.0e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
<b>Total</b>	<b>0.0666</b>	<b>0.0462</b>	<b>0.4386</b>	<b>1,230.0e-003</b>	<b>0.1232</b>	<b>8,800.0e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8,100.0e-004</b>	<b>0.0335</b>		<b>122.5371</b>	<b>122.5371</b>	<b>3.9500e-003</b>		<b>122.6359</b>



North County 18A, UM - San Diego County, Winter

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	1,230.0e-003	0.1232	8,800.0e-004	0.1241	0.0327	8,100.0e-004	0.0335			122.5371	3,950.0e-003		122.6359
<b>Total</b>	<b>0.0666</b>	<b>0.0462</b>	<b>0.4386</b>	<b>1,230.0e-003</b>	<b>0.1232</b>	<b>8,800.0e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8,100.0e-004</b>	<b>0.0335</b>		<b>122.5371</b>	<b>122.5371</b>	<b>3.9500e-003</b>		<b>122.6359</b>

North County 18A, UM - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

North County 18A, UM - San Diego County, Winter

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

**4.0 Operational Detail - Mobile**

North County 18A, UM - San Diego County, Winter

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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, UM - San Diego County, Winter

### 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0373	0.3187	0.1356	2.0300e-003	0.0258	0.0258	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	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 - Natural Gas**

**Unmitigated**

Land Use	Natural Gas Use kBtu/yr	CO	NOx	SO2	PM10 Fugitive	PM10 Exhaust	PM10 Total	PM2.5 Fugitive	PM2.5 Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Single Family Housing	3458.35	0.1356	0.3187	2.0300e-003	0.0258	0.0258	0.0258	0.0258	0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
<b>Total</b>		<b>0.1356</b>	<b>0.3187</b>	<b>2.0300e-003</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>		<b>406.8647</b>	<b>406.8647</b>	<b>7.8000e-003</b>	<b>7.4600e-003</b>	<b>409.2825</b>

**Mitigated**

Land Use	Natural Gas Use kBtu/yr	CO	NOx	SO2	PM10 Fugitive	PM10 Exhaust	PM10 Total	PM2.5 Fugitive	PM2.5 Exhaust	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Single Family Housing	3458.35	0.1356	0.3187	2.0300e-003	0.0258	0.0258	0.0258	0.0258	0.0258	0.0258		406.8647	406.8647	7.8000e-003	7.4600e-003	409.2825
<b>Total</b>		<b>0.1356</b>	<b>0.3187</b>	<b>2.0300e-003</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>	<b>0.0258</b>		<b>406.8647</b>	<b>406.8647</b>	<b>7.8000e-003</b>	<b>7.4600e-003</b>	<b>409.2825</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

North County 18A, UM - San Diego County, Winter

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	53.5316	1.0484	67.0223	0.1165	9.0212	9.0212	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	9.0212	9.0212	944.2388	401.0508	1,345.2896	0.8762	0.0743	1,389.3271

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.1049				0.0000	0.0000	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			0.0000			0.0000
Hearth	52.0334	1.0162	64.2296	0.1164	9.0056	9.0056	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	0.0156	0.0156		5.0508	5.0508	4.8100e-003		5.1710
<b>Total</b>	<b>53.5316</b>	<b>1.0484</b>	<b>67.0223</b>	<b>0.1165</b>	<b>9.0212</b>	<b>9.0212</b>	<b>9.0212</b>	<b>9.0212</b>	<b>9.0212</b>	<b>9.0212</b>	<b>944.2388</b>	<b>401.0508</b>	<b>1,345.2896</b>	<b>0.8762</b>	<b>0.0743</b>	<b>1,389.3271</b>

North County 18A, UM - San Diego County, Winter

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.1049					0.0000	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			0.0000
Hearth	52.0334	1.0162	64.2296	0.1164		9.0056	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	0.0156		5.0508	5.0508	4.8100e-003		5.1710
<b>Total</b>	<b>53.5316</b>	<b>1.0484</b>	<b>67.0223</b>	<b>0.1165</b>		<b>9.0212</b>	<b>9.0212</b>		<b>9.0212</b>	<b>9.0212</b>	<b>944.2388</b>	<b>401.0508</b>	<b>1,345.2896</b>	<b>0.8762</b>	<b>0.0743</b>	<b>1,389.3271</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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

	WD_TR		
tbiVehicleTrips	9.52		10.00
tbiWoodstoves	1.70	NumberCatalytic	0.00
tbiWoodstoves	1.70	NumberNoncatalytic	0.00

**2.0 Emissions Summary**

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North County 18A, M - San Diego County, Winter

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.5641	0.5962	3.0327	3.7500e-003	0.0612	0.0612	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	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
<b>Total</b>	<b>1.8837</b>	<b>2.4744</b>	<b>6.7533</b>	<b>0.0229</b>	<b>2.1441</b>	<b>0.0933</b>	<b>2.2373</b>	<b>0.5730</b>	<b>0.0928</b>	<b>0.6659</b>	<b>0.0000</b>	<b>2,902.2573</b>	<b>2,902.2573</b>	<b>0.1102</b>	<b>0.0207</b>	<b>2,911.1692</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.5641	0.5962	3.0327	3.7500e-003	0.0612	0.0612	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	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
<b>Total</b>	<b>1.8837</b>	<b>2.4744</b>	<b>6.7533</b>	<b>0.0229</b>	<b>2.1441</b>	<b>0.0933</b>	<b>2.2373</b>	<b>0.5730</b>	<b>0.0928</b>	<b>0.6659</b>	<b>0.0000</b>	<b>2,902.2573</b>	<b>2,902.2573</b>	<b>0.1102</b>	<b>0.0207</b>	<b>2,911.1692</b>

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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
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**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	19.1472				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>19.4136</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>8.8800e-003</b>	<b>6.1500e-003</b>	<b>0.0585</b>	<b>1.6000e-004</b>	<b>0.0164</b>	<b>1.2000e-004</b>	<b>0.0166</b>	<b>4.3600e-003</b>	<b>1.1000e-004</b>	<b>4.4700e-003</b>		<b>16.3383</b>	<b>16.3383</b>	<b>5.3000e-004</b>		<b>16.3515</b>

North County 18A, M - San Diego County, Winter

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>19.4136</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0764	1.2000e-004	0.0166	4.3600e-003	1.1000e-004	4.4700e-003		16.3383	16.3383	5.3000e-004		16.3515
<b>Total</b>	<b>8.8800e-003</b>	<b>6.1500e-003</b>	<b>0.0585</b>	<b>1.6000e-004</b>	<b>0.0764</b>	<b>1.2000e-004</b>	<b>0.0166</b>	<b>4.3600e-003</b>	<b>1.1000e-004</b>	<b>4.4700e-003</b>		<b>16.3383</b>	<b>16.3383</b>	<b>5.3000e-004</b>		<b>16.3515</b>

North County 18A, M - San Diego County, Winter

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	2.620.935 <sub>1</sub>	2.620.935 <sub>1</sub>	2.620.935 <sub>1</sub>	0.6421		2.636.988 <sub>3</sub>
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>2.620.935<sub>1</sub></b>	<b>2.620.935<sub>1</sub></b>	<b>2.620.935<sub>1</sub></b>	<b>0.6421</b>		<b>2.636.988<sub>3</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	3.5000e-003		101.1669
<b>Total</b>	<b>0.0792</b>	<b>0.5692</b>	<b>0.5441</b>	<b>2.1100e-003</b>	<b>0.1257</b>	<b>4.9000e-003</b>	<b>0.1306</b>	<b>0.0340</b>	<b>4.6600e-003</b>	<b>0.0386</b>			<b>217.3585</b>	<b>0.0136</b>		<b>217.6976</b>

North County 18A, M - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	3.5000e-003		101.1669
<b>Total</b>	<b>0.0792</b>	<b>0.5692</b>	<b>0.5441</b>	<b>2.1100e-003</b>	<b>0.1257</b>	<b>4.9000e-003</b>	<b>0.1306</b>	<b>0.0340</b>	<b>4.6600e-003</b>	<b>0.0386</b>			<b>217.3585</b>	<b>0.0136</b>		<b>217.6976</b>

North County 18A, M - San Diego County, Winter

**3.3 Building Construction - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899	1.2127	1.2127	1.2127		2.591.580 <sub>2</sub>	2.591.580 <sub>2</sub>	0.6313		2.607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>		<b>2.591.580<sub>2</sub></b>	<b>2.591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2.607.363<sub>5</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0725</b>	<b>0.5333</b>	<b>0.4928</b>	<b>2.0600e-003</b>	<b>0.1257</b>	<b>4.2100e-003</b>	<b>0.1299</b>	<b>0.0340</b>	<b>4.0100e-003</b>	<b>0.0379</b>		<b>213.4298</b>	<b>213.4298</b>	<b>0.0129</b>		<b>213.7520</b>

North County 18A, M - San Diego County, Winter

**3.3 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>		<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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
<b>Total</b>	<b>0.0725</b>	<b>0.5333</b>	<b>0.4928</b>	<b>2.0600e-003</b>	<b>0.1257</b>	<b>4.2100e-003</b>	<b>0.1299</b>	<b>0.0340</b>	<b>4.0100e-003</b>	<b>0.0379</b>		<b>213.4298</b>	<b>213.4298</b>	<b>0.0129</b>		<b>213.7520</b>

North County 18A, M - San Diego County, Winter

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>168.4655</b>	<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

North County 18A, M - San Diego County, Winter

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230	0.0000	6,244.428 <sub>4</sub>	6,244.428 <sub>4</sub>	1.9440		6,293.027 <sub>8</sub>
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>	<b>0.0000</b>	<b>6,244.428<sub>4</sub></b>	<b>6,244.428<sub>4</sub></b>	<b>1.9440</b>		<b>6,293.027<sub>8</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.8400e-003		168.6114
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>			<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>



North County 18A, M - San Diego County, Winter

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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	1,230.0e-003	0.1232	8,800.0e-004	0.1241	0.0327	8,100.0e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
<b>Total</b>	<b>0.0666</b>	<b>0.0462</b>	<b>0.4386</b>	<b>1,230.0e-003</b>	<b>0.1232</b>	<b>8,800.0e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8,100.0e-004</b>	<b>0.0335</b>		<b>122.5371</b>	<b>122.5371</b>	<b>3.9500e-003</b>		<b>122.6359</b>

North County 18A, M - San Diego County, Winter

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	1,230.0e-003	0.1232	8,800.0e-004	0.1241	0.0327	8,100.0e-004	0.0335			122.5371	3.9500e-003		122.6359
<b>Total</b>	<b>0.0666</b>	<b>0.0462</b>	<b>0.4386</b>	<b>1,230.0e-003</b>	<b>0.1232</b>	<b>8,800.0e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8,100.0e-004</b>	<b>0.0335</b>			<b>122.5371</b>	<b>3.9500e-003</b>		<b>122.6359</b>

North County 18A, M - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

North County 18A, M - San Diego County, Winter

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

**4.0 Operational Detail - Mobile**

North County 18A, M - San Diego County, Winter

**4.1 Mitigation Measures Mobile**

Category	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0373	0.3187	0.1356	2.0300e-003	0.0258	0.0258	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	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 - Natural Gas**

Unmitigated

Land Use	Natural Gas Use kBtu/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>		<b>0.0373</b>	<b>0.3187</b>	<b>0.1356</b>	<b>2.0300e-003</b>		<b>0.0258</b>	<b>0.0258</b>		<b>0.0258</b>	<b>0.0258</b>		<b>406.8647</b>	<b>406.8647</b>	<b>7.8000e-003</b>	<b>7.4600e-003</b>	<b>409.2825</b>

Mitigated

Land Use	Natural Gas Use kBtu/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>		<b>0.0373</b>	<b>0.3187</b>	<b>0.1356</b>	<b>2.0300e-003</b>		<b>0.0258</b>	<b>0.0258</b>		<b>0.0258</b>	<b>0.0258</b>		<b>406.8647</b>	<b>406.8647</b>	<b>7.8000e-003</b>	<b>7.4600e-003</b>	<b>409.2825</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

North County 18A, M - San Diego County, Winter

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	1.5641	0.5962	3.0327	3.7500e-003	0.0612	0.0612	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	0.0612	0.0612	0.0000	725.0508	725.0508	0.0186	0.0132	729.4496

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.1049				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.0660	0.5640	0.2400	3.6000e-003	0.0456	0.0456	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	0.0156	0.0156		5.0508	5.0508	4.8100e-003		5.1710
<b>Total</b>	<b>1.5641</b>	<b>0.5962</b>	<b>3.0327</b>	<b>3.7500e-003</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0000</b>	<b>725.0508</b>	<b>725.0508</b>	<b>0.0186</b>	<b>0.0132</b>	<b>729.4496</b>



North County 18A, M - San Diego County, Winter

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.1049					0.0000	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			0.0000
Hearth	0.0660	0.5640	0.2400	3.6000e-003		0.0456	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	0.0156		5.0508	5.0508	4.8100e-003		5.1710
<b>Total</b>	<b>1.5641</b>	<b>0.5962</b>	<b>3.0327</b>	<b>3.7500e-003</b>		<b>0.0612</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0000</b>	<b>725.0508</b>	<b>725.0508</b>	<b>0.0186</b>	<b>0.0132</b>	<b>729.4496</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	81.8718	1.6034	102.5048	0.1782	13.7971	13.7971	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	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
<b>Total</b>	<b>82.3702</b>	<b>4.4454</b>	<b>108.3313</b>	<b>0.2089</b>	<b>3.2792</b>	<b>13.8461</b>	<b>17.1253</b>	<b>0.8764</b>	<b>13.8455</b>	<b>14.7219</b>	<b>1,444.1300</b>	<b>4,079.2247</b>	<b>5,523.3547</b>	<b>1.4792</b>	<b>0.1250</b>	<b>5,597.5852</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	81.8718	1.6034	102.5048	0.1782	13.7971	13.7971	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	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
<b>Total</b>	<b>82.3702</b>	<b>4.4454</b>	<b>108.3313</b>	<b>0.2089</b>	<b>3.2792</b>	<b>13.8461</b>	<b>17.1253</b>	<b>0.8764</b>	<b>13.8455</b>	<b>14.7219</b>	<b>1,444.1300</b>	<b>4,079.2247</b>	<b>5,523.3547</b>	<b>1.4792</b>	<b>0.1250</b>	<b>5,597.5852</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	29.2839				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>29.5504</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0157</b>	<b>0.0110</b>	<b>0.1238</b>	<b>3.5000e-004</b>	<b>0.0329</b>	<b>2.3000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.2000e-004</b>	<b>8.9300e-003</b>		<b>34.8080</b>	<b>34.8080</b>	<b>1.1100e-003</b>		<b>34.8358</b>

North County 22, UM - San Diego County, Summer

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	29.2839				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>29.5504</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	1.1100e-003		34.8358
<b>Total</b>	<b>0.0157</b>	<b>0.0110</b>	<b>0.1238</b>	<b>3.5000e-004</b>	<b>0.0329</b>	<b>2.3000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.2000e-004</b>	<b>8.9300e-003</b>			<b>34.8080</b>	<b>1.1100e-003</b>		<b>34.8358</b>

North County 22, UM - San Diego County, Summer

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

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.1118</b>	<b>0.8488</b>	<b>0.8598</b>	<b>3.3800e-003</b>	<b>0.1967</b>	<b>7.3000e-003</b>	<b>0.2040</b>	<b>0.0531</b>	<b>6.9500e-003</b>	<b>0.0601</b>		<b>349.3866</b>	<b>349.3866</b>	<b>0.0200</b>		<b>349.8869</b>

North County 22, UM - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	5.8300e-003		170.6185
<b>Total</b>	<b>0.1118</b>	<b>0.8488</b>	<b>0.8598</b>	<b>3.3800e-003</b>	<b>0.1967</b>	<b>7.3000e-003</b>	<b>0.2040</b>	<b>0.0531</b>	<b>6.9500e-003</b>	<b>0.0601</b>			<b>349.3866</b>	<b>0.0200</b>		<b>349.8869</b>

North County 22, UM - San Diego County, Summer

**3.3 Building Construction - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	2,591.580 <sub>2</sub>	2,591.580 <sub>2</sub>	2,591.580 <sub>2</sub>	0.6313		2,607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>2,591.580<sub>2</sub></b>	<b>2,591.580<sub>2</sub></b>	<b>2,591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2,607.363<sub>5</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	5.2800e-003		165.4699
<b>Total</b>	<b>0.1022</b>	<b>0.7960</b>	<b>0.7799</b>	<b>3.3200e-003</b>	<b>0.1967</b>	<b>6.2900e-003</b>	<b>0.2030</b>	<b>0.0531</b>	<b>5.9800e-003</b>	<b>0.0591</b>			<b>342.9479</b>	<b>0.0190</b>		<b>343.4227</b>

North County 22, UM - San Diego County, Summer

**3.3 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	5.2800e-003		165.4699
<b>Total</b>	<b>0.1022</b>	<b>0.7960</b>	<b>0.7799</b>	<b>3.3200e-003</b>	<b>0.1967</b>	<b>6.2900e-003</b>	<b>0.2030</b>	<b>0.0531</b>	<b>5.9800e-003</b>	<b>0.0591</b>			<b>342.9479</b>	<b>0.0190</b>		<b>343.4227</b>

North County 22, UM - San Diego County, Summer

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

North County 22, UM - San Diego County, Summer

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6.1400e-003		179.5984
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>			<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>



North County 22, UM - San Diego County, Summer

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0589</b>	<b>0.0411</b>	<b>0.4641</b>	<b>1.3100e-003</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>		<b>130.5300</b>	<b>130.5300</b>	<b>4.1700e-003</b>		<b>130.6342</b>

North County 22, UM - San Diego County, Summer

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.1700e-003		130.6342
<b>Total</b>	<b>0.0589</b>	<b>0.0411</b>	<b>0.4641</b>	<b>1.3100e-003</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>		<b>130.5300</b>	<b>130.5300</b>	<b>4.1700e-003</b>		<b>130.6342</b>

North County 22, UM - San Diego County, Summer

**3.6 Site Preparation - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

North County 22, UM - San Diego County, Summer

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

**4.0 Operational Detail - Mobile**

North County 22, UM - San Diego County, Summer

**4.1 Mitigation Measures Mobile**

Category	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.4413	2.3545	5.6192	0.0276	3.2792	9.6600e-003	3.2889	0.8764	9.0000e-003	0.8854		2,843,589	2,843,589	0.1273		2,846,770
Unmitigated	0.4413	2.3545	5.6192	0.0276	3.2792	9.6600e-003	3.2889	0.8764	9.0000e-003	0.8854		2,843,589	2,843,589	0.1273		2,846,770

**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

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0570	0.4874	0.2074	3.1100e-003	0.0394	0.0394	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	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

Land Use	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
lb/day																	
Single Family Housing	5289.24	0.0570	0.4874	0.2074	3.1100e-003	0.0394	0.0394	0.0394	0.0394	0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
<b>Total</b>		<b>0.0570</b>	<b>0.4874</b>	<b>0.2074</b>	<b>3.1100e-003</b>	<b>0.0394</b>	<b>0.0394</b>	<b>0.0394</b>	<b>0.0394</b>	<b>0.0394</b>	<b>0.0394</b>		<b>622.2636</b>	<b>622.2636</b>	<b>0.0119</b>	<b>0.0114</b>	<b>625.9614</b>

Mitigated

Land Use	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
lb/day																	
Single Family Housing	5289.24	0.0570	0.4874	0.2074	3.1100e-003	0.0394	0.0394	0.0394	0.0394	0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
<b>Total</b>		<b>0.0570</b>	<b>0.4874</b>	<b>0.2074</b>	<b>3.1100e-003</b>	<b>0.0394</b>	<b>0.0394</b>	<b>0.0394</b>	<b>0.0394</b>	<b>0.0394</b>	<b>0.0394</b>		<b>622.2636</b>	<b>622.2636</b>	<b>0.0119</b>	<b>0.0114</b>	<b>625.9614</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

North County 22, UM - San Diego County, Summer

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	81.8718	1.6034	102.5048	0.1782	13.7971	13.7971	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	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**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.1605				0.0000	0.0000	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			0.0000			0.0000
Hearth	79.5805	1.5541	98.2335	0.1780	13.7733	13.7733	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	0.0238	0.0238	7.7247	7.7247	7.7247	7.3500e-003		7.9085
<b>Total</b>	<b>81.8718</b>	<b>1.6034</b>	<b>102.5048</b>	<b>0.1782</b>	<b>13.7971</b>	<b>13.7971</b>	<b>13.7971</b>	<b>13.7971</b>	<b>13.7971</b>	<b>13.7971</b>	<b>1,444.1300</b>	<b>613.3718</b>	<b>2,057.5018</b>	<b>1.3400</b>	<b>0.1136</b>	<b>2,124.8532</b>



North County 22, UM - San Diego County, Summer

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.1605					0.0000	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			0.0000
Hearth	79.5805	1.5541	98.2335	0.1780	13.7733	13.7733	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	0.0238	0.0238	7.7247	7.7247	7.7247	7.3500e-003		7.9085
<b>Total</b>	<b>81.8718</b>	<b>1.6034</b>	<b>102.5048</b>	<b>0.1782</b>	<b>13.7971</b>	<b>13.7971</b>	<b>13.7971</b>	<b>13.7971</b>	<b>13.7971</b>	<b>13.7971</b>	<b>1,444.1300</b>	<b>613.3718</b>	<b>2,057.5018</b>	<b>1.3400</b>	<b>0.1136</b>	<b>2,124.8532</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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/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 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**

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North County 22, M - San Diego County, Summer

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	2.3922	0.9119	4.6383	5.7300e-003	0.0935	0.0935	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	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
<b>Total</b>	<b>2.8906</b>	<b>3.7538</b>	<b>10.4649</b>	<b>0.0364</b>	<b>3.2792</b>	<b>0.1426</b>	<b>3.4218</b>	<b>0.8764</b>	<b>0.1419</b>	<b>1.0184</b>	<b>0.0000</b>	<b>4,574.7541</b>	<b>4,574.7541</b>	<b>0.1676</b>	<b>0.0316</b>	<b>4,588.3608</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	2.3922	0.9119	4.6383	5.7300e-003	0.0935	0.0935	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	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
<b>Total</b>	<b>2.8906</b>	<b>3.7538</b>	<b>10.4649</b>	<b>0.0364</b>	<b>3.2792</b>	<b>0.1426</b>	<b>3.4218</b>	<b>0.8764</b>	<b>0.1419</b>	<b>1.0184</b>	<b>0.0000</b>	<b>4,574.7541</b>	<b>4,574.7541</b>	<b>0.1676</b>	<b>0.0316</b>	<b>4,588.3608</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	29.2839				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>29.5504</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0157</b>	<b>0.0110</b>	<b>0.1238</b>	<b>3.5000e-004</b>	<b>0.0329</b>	<b>2.3000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.2000e-004</b>	<b>8.9300e-003</b>		<b>34.8080</b>	<b>34.8080</b>	<b>1.1100e-003</b>		<b>34.8358</b>

North County 22, M - San Diego County, Summer

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	29.2839				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>29.5504</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0157</b>	<b>0.0110</b>	<b>0.1238</b>	<b>3.5000e-004</b>	<b>0.0329</b>	<b>2.3000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.2000e-004</b>	<b>8.9300e-003</b>		<b>34.8080</b>	<b>34.8080</b>	<b>1.1100e-003</b>		<b>34.8358</b>

North County 22, M - San Diego County, Summer

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

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.1118</b>	<b>0.8488</b>	<b>0.8598</b>	<b>3.3800e-003</b>	<b>0.1967</b>	<b>7.3000e-003</b>	<b>0.2040</b>	<b>0.0531</b>	<b>6.9500e-003</b>	<b>0.0601</b>		<b>349.3866</b>	<b>349.3866</b>	<b>0.0200</b>		<b>349.8869</b>

North County 22, M - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	5.8300e-003		170.6185
<b>Total</b>	<b>0.1118</b>	<b>0.8488</b>	<b>0.8598</b>	<b>3.3800e-003</b>	<b>0.1967</b>	<b>7.3000e-003</b>	<b>0.2040</b>	<b>0.0531</b>	<b>6.9500e-003</b>	<b>0.0601</b>			<b>349.3866</b>	<b>0.0200</b>		<b>349.8869</b>

North County 22, M - San Diego County, Summer

**3.3 Building Construction - 2019**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127		2.591.580 <sub>2</sub>	2.591.580 <sub>2</sub>	0.6313		2.607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>		<b>2.591.580<sub>2</sub></b>	<b>2.591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2.607.363<sub>5</sub></b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.1022</b>	<b>0.7960</b>	<b>0.7799</b>	<b>3.3200e-003</b>	<b>0.1967</b>	<b>6.2900e-003</b>	<b>0.2030</b>	<b>0.0531</b>	<b>5.9800e-003</b>	<b>0.0591</b>		<b>342.9479</b>	<b>342.9479</b>	<b>0.0190</b>		<b>343.4227</b>

North County 22, M - San Diego County, Summer

**3.3 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 <sub>2</sub>	2,591.580 <sub>2</sub>	0.6313		2,607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580<sub>2</sub></b>	<b>2,591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2,607.363<sub>5</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	5.2800e-003		165.4699
<b>Total</b>	<b>0.1022</b>	<b>0.7960</b>	<b>0.7799</b>	<b>3.3200e-003</b>	<b>0.1967</b>	<b>6.2900e-003</b>	<b>0.2030</b>	<b>0.0531</b>	<b>5.9800e-003</b>	<b>0.0591</b>			<b>342.9479</b>	<b>0.0190</b>		<b>343.4227</b>

North County 22, M - San Diego County, Summer

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>



North County 22, M - San Diego County, Summer

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6.1400e-003		179.5984
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>			<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

North County 22, M - San Diego County, Summer

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0589</b>	<b>0.0411</b>	<b>0.4641</b>	<b>1.3100e-003</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>		<b>130.5300</b>	<b>130.5300</b>	<b>4.1700e-003</b>		<b>130.6342</b>

North County 22, M - San Diego County, Summer

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.1700e-003		130.6342
<b>Total</b>	<b>0.0589</b>	<b>0.0411</b>	<b>0.4641</b>	<b>1.3100e-003</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>			<b>130.5300</b>	<b>4.1700e-003</b>		<b>130.6342</b>

North County 22, M - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

North County 22, M - San Diego County, Summer

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

**4.0 Operational Detail - Mobile**

North County 22, M - San Diego County, Summer

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.4413	2.3545	5.6192	0.0276	3.2792	9.6600e-003	3.2889	0.8764	9.0000e-003	0.8854		2,843,589	2,843,589	0.1273		2,846,770
Unmitigated	0.4413	2.3545	5.6192	0.0276	3.2792	9.6600e-003	3.2889	0.8764	9.0000e-003	0.8854		2,843,589	2,843,589	0.1273		2,846,770

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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	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**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0570	0.4874	0.2074	3.1100e-003	0.0394	0.0394	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	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

Land Use	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
lb/day																	
Single Family Housing	5289.24	0.0570	0.4874	0.2074	3.1100e-003	0.0394	0.0394	0.0394	0.0394	0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
<b>Total</b>		<b>0.0570</b>	<b>0.4874</b>	<b>0.2074</b>	<b>3.1100e-003</b>	<b>0.0394</b>	<b>0.0394</b>	<b>0.0394</b>	<b>0.0394</b>	<b>0.0394</b>	<b>0.0394</b>		<b>622.2636</b>	<b>622.2636</b>	<b>0.0119</b>	<b>0.0114</b>	<b>625.9614</b>

Mitigated

Land Use	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
lb/day																	
Single Family Housing	5289.24	0.0570	0.4874	0.2074	3.1100e-003	0.0394	0.0394	0.0394	0.0394	0.0394	0.0394		622.2636	622.2636	0.0119	0.0114	625.9614
<b>Total</b>		<b>0.0570</b>	<b>0.4874</b>	<b>0.2074</b>	<b>3.1100e-003</b>	<b>0.0394</b>	<b>0.0394</b>	<b>0.0394</b>	<b>0.0394</b>	<b>0.0394</b>	<b>0.0394</b>		<b>622.2636</b>	<b>622.2636</b>	<b>0.0119</b>	<b>0.0114</b>	<b>625.9614</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



North County 22, M - San Diego County, Summer

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	2.3922	0.9119	4.6383	5.7300e-003	0.0935	0.0935	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	0.0935	0.0935	0.0000	1,108.9012	1,108.9012	0.0285	0.0202	1,115.6288

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.1605				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.1009	0.8626	0.3671	5.5100e-003	0.0697	0.0697	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	0.0238	0.0238		7.7247	7.7247	7.3500e-003		7.9085
<b>Total</b>	<b>2.3922</b>	<b>0.9119</b>	<b>4.6383</b>	<b>5.7400e-003</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0000</b>	<b>1,108.9012</b>	<b>1,108.9012</b>	<b>0.0285</b>	<b>0.0202</b>	<b>1,115.6288</b>

North County 22, M - San Diego County, Summer

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.1605					0.0000	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			0.0000
Hearth	0.1009	0.8626	0.3671	5.5100e-003	0.0697	0.0697	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	0.0238	0.0238		7.7247	7.7247	7.3500e-003		7.9085
<b>Total</b>	<b>2.3922</b>	<b>0.9119</b>	<b>4.6383</b>	<b>5.7400e-003</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0000</b>	<b>1,108.9012</b>	<b>1,108.9012</b>	<b>0.0285</b>	<b>0.0202</b>	<b>1,115.6288</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	81.8718	1.6034	102.5048	0.1782	13.7971	13.7971	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	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
<b>Total</b>	<b>82.3606</b>	<b>4.4760</b>	<b>108.1950</b>	<b>0.2076</b>	<b>3.2792</b>	<b>13.8462</b>	<b>17.1254</b>	<b>0.8764</b>	<b>13.8455</b>	<b>14.7219</b>	<b>1,444.1300</b>	<b>3,943.2170</b>	<b>5,387.3470</b>	<b>1.4802</b>	<b>0.1250</b>	<b>5,461.6009</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	81.8718	1.6034	102.5048	0.1782	13.7971	13.7971	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	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
<b>Total</b>	<b>82.3606</b>	<b>4.4760</b>	<b>108.1950</b>	<b>0.2076</b>	<b>3.2792</b>	<b>13.8462</b>	<b>17.1254</b>	<b>0.8764</b>	<b>13.8455</b>	<b>14.7219</b>	<b>1,444.1300</b>	<b>3,943.2170</b>	<b>5,387.3470</b>	<b>1.4802</b>	<b>0.1250</b>	<b>5,461.6009</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	29.2839				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>29.5504</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0178</b>	<b>0.0123</b>	<b>0.1170</b>	<b>3.3000e-004</b>	<b>0.0329</b>	<b>2.3000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.2000e-004</b>	<b>8.9300e-003</b>		<b>32.6766</b>	<b>32.6766</b>	<b>1.0500e-003</b>		<b>32.7029</b>

North County 22, UM - San Diego County, Winter

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	29.2839					0.0000	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	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>29.5504</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0178</b>	<b>0.0123</b>	<b>0.1170</b>	<b>3.3000e-004</b>	<b>0.0329</b>	<b>2.3000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.2000e-004</b>	<b>8.9300e-003</b>		<b>32.6766</b>	<b>32.6766</b>	<b>1.0500e-003</b>		<b>32.7029</b>

North County 22, UM - San Diego County, Winter

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	2.620.9351	2.620.9351	2.620.9351	0.6421		2.636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>2.620.9351</b>	<b>2.620.9351</b>	<b>2.620.9351</b>	<b>0.6421</b>		<b>2.636.9883</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	5.5500e-003		160.1808
<b>Total</b>	<b>0.1236</b>	<b>0.8573</b>	<b>0.8486</b>	<b>3.2400e-003</b>	<b>0.1967</b>	<b>7.4100e-003</b>	<b>0.2041</b>	<b>0.0531</b>	<b>7.0500e-003</b>	<b>0.0602</b>			<b>334.4609</b>	<b>0.0206</b>		<b>334.9769</b>

North County 22, UM - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2.620.9351	2.620.9351	0.6421		2.636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	5.5500e-003		160.1808
<b>Total</b>	<b>0.1236</b>	<b>0.8573</b>	<b>0.8486</b>	<b>3.2400e-003</b>	<b>0.1967</b>	<b>7.4100e-003</b>	<b>0.2041</b>	<b>0.0531</b>	<b>7.0500e-003</b>	<b>0.0602</b>			<b>334.4609</b>	<b>0.0206</b>		<b>334.9769</b>

North County 22, UM - San Diego County, Winter

**3.3 Building Construction - 2019**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899	1.2127	1.2127	1.2127		2.591.580 <sub>2</sub>	2.591.580 <sub>2</sub>	0.6313		2.607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>		<b>2.591.580<sub>2</sub></b>	<b>2.591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2.607.363<sub>5</sub></b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.1132</b>	<b>0.8030</b>	<b>0.7685</b>	<b>3.1800e-003</b>	<b>0.1967</b>	<b>6.3800e-003</b>	<b>0.2031</b>	<b>0.0531</b>	<b>6.0700e-003</b>	<b>0.0592</b>		<b>328.3138</b>	<b>328.3138</b>	<b>0.0196</b>		<b>328.8037</b>

North County 22, UM - San Diego County, Winter

**3.3 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>		<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	5.0100e-003		155.3388
<b>Total</b>	<b>0.1132</b>	<b>0.8030</b>	<b>0.7685</b>	<b>3.1800e-003</b>	<b>0.1967</b>	<b>6.3800e-003</b>	<b>0.2031</b>	<b>0.0531</b>	<b>6.0700e-003</b>	<b>0.0592</b>			<b>328.3138</b>	<b>0.0196</b>		<b>328.8037</b>

North County 22, UM - San Diego County, Winter

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>168.4655</b>	<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>



North County 22, UM - San Diego County, Winter

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.8400e-003		168.6114
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>			<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

North County 22, UM - San Diego County, Winter

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0666</b>	<b>0.0462</b>	<b>0.4386</b>	<b>1.2300e-003</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>		<b>122.5371</b>	<b>122.5371</b>	<b>3.9500e-003</b>		<b>122.6359</b>

North County 22, UM - San Diego County, Winter

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	3.9500e-003		122.6359
<b>Total</b>	<b>0.0666</b>	<b>0.0462</b>	<b>0.4386</b>	<b>1.2300e-003</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>			<b>122.5371</b>	<b>3.9500e-003</b>		<b>122.6359</b>

North County 22, UM - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

North County 22, UM - San Diego County, Winter

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

**4.0 Operational Detail - Mobile**

North County 22, UM - San Diego County, Winter

**4.1 Mitigation Measures Mobile**

Category	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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-O or C-NW	H-W or C-W	H-S or C-C	H-O 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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
NaturalGas Mitigated	0.0570	0.4874	0.2074	3.1100e-003	0.0394	0.0394	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	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 - Natural Gas**

**Unmitigated**

Land Use	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU/yr											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
<b>Total</b>		<b>0.0570</b>	<b>0.4874</b>	<b>0.2074</b>	<b>3.1100e-003</b>		<b>0.0394</b>	<b>0.0394</b>		<b>0.0394</b>	<b>0.0394</b>		<b>622.2636</b>	<b>622.2636</b>	<b>0.0119</b>	<b>0.0114</b>	<b>625.9614</b>

**Mitigated**

Land Use	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU/yr											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
<b>Total</b>		<b>0.0570</b>	<b>0.4874</b>	<b>0.2074</b>	<b>3.1100e-003</b>		<b>0.0394</b>	<b>0.0394</b>		<b>0.0394</b>	<b>0.0394</b>		<b>622.2636</b>	<b>622.2636</b>	<b>0.0119</b>	<b>0.0114</b>	<b>625.9614</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



North County 22, UM - San Diego County, Winter

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	81.8718	1.6034	102.5048	0.1782	13.7971	13.7971	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	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**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.1605				0.0000	0.0000	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			0.0000			0.0000
Hearth	79.5805	1.5541	98.2335	0.1780	13.7733	13.7733	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	0.0238	0.0238	7.7247	7.7247	7.7247	7.3500e-003		7.9085
<b>Total</b>	<b>81.8718</b>	<b>1.6034</b>	<b>102.5048</b>	<b>0.1782</b>	<b>13.7971</b>	<b>13.7971</b>	<b>13.7971</b>	<b>13.7971</b>	<b>13.7971</b>	<b>13.7971</b>	<b>1,444.1300</b>	<b>613.3718</b>	<b>2,057.5018</b>	<b>1.3400</b>	<b>0.1136</b>	<b>2,124.8532</b>

North County 22, UM - San Diego County, Winter

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.1605					0.0000	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			0.0000
Hearth	79.5805	1.5541	98.2335	0.1780	13.7733	13.7733	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	0.0238	0.0238	7.7247	7.7247	7.7247	7.3500e-003		7.9085
<b>Total</b>	<b>81.8718</b>	<b>1.6034</b>	<b>102.5048</b>	<b>0.1782</b>	<b>13.7971</b>	<b>13.7971</b>	<b>13.7971</b>	<b>13.7971</b>	<b>13.7971</b>	<b>13.7971</b>	<b>1,444.1300</b>	<b>613.3718</b>	<b>2,057.5018</b>	<b>1.3400</b>	<b>0.1136</b>	<b>2,124.8532</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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/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

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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	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**

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North County 22, M - San Diego County, Winter

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	2.3922	0.9119	4.6383	5.7300e-003	0.0935	0.0935	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	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
<b>Total</b>	<b>2.8810</b>	<b>3.7844</b>	<b>10.3286</b>	<b>0.0351</b>	<b>3.2792</b>	<b>0.1426</b>	<b>3.4218</b>	<b>0.8764</b>	<b>0.1420</b>	<b>1.0184</b>	<b>0.0000</b>	<b>4,438.7464</b>	<b>4,438.7464</b>	<b>0.1686</b>	<b>0.0316</b>	<b>4,452.3764</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	2.3922	0.9119	4.6383	5.7300e-003	0.0935	0.0935	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	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
<b>Total</b>	<b>2.8810</b>	<b>3.7844</b>	<b>10.3286</b>	<b>0.0351</b>	<b>3.2792</b>	<b>0.1426</b>	<b>3.4218</b>	<b>0.8764</b>	<b>0.1420</b>	<b>1.0184</b>	<b>0.0000</b>	<b>4,438.7464</b>	<b>4,438.7464</b>	<b>0.1686</b>	<b>0.0316</b>	<b>4,452.3764</b>



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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	29.2839				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>29.5504</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0178</b>	<b>0.0123</b>	<b>0.1170</b>	<b>3.3000e-004</b>	<b>0.0329</b>	<b>2.3000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.2000e-004</b>	<b>8.9300e-003</b>		<b>32.6766</b>	<b>32.6766</b>	<b>1.0500e-003</b>		<b>32.7029</b>

North County 22, M - San Diego County, Winter

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	29.2839				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>29.5504</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	32.6766	1.0500e-003		32.7029
<b>Total</b>	<b>0.0178</b>	<b>0.0123</b>	<b>0.1170</b>	<b>3.3000e-004</b>	<b>0.0329</b>	<b>2.3000e-004</b>	<b>0.0331</b>	<b>8.7200e-003</b>	<b>2.2000e-004</b>	<b>8.9300e-003</b>	<b>32.6766</b>	<b>32.6766</b>	<b>32.6766</b>	<b>1.0500e-003</b>		<b>32.7029</b>

North County 22, M - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099		2.620.9351	2.620.9351	0.6421		2.636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>		<b>2.620.9351</b>	<b>2.620.9351</b>	<b>0.6421</b>		<b>2.636.9883</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.1236</b>	<b>0.8573</b>	<b>0.8486</b>	<b>3.2400e-003</b>	<b>0.1967</b>	<b>7.4100e-003</b>	<b>0.2041</b>	<b>0.0531</b>	<b>7.0500e-003</b>	<b>0.0602</b>		<b>334.4609</b>	<b>334.4609</b>	<b>0.0206</b>		<b>334.9769</b>

North County 22, M - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	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
<b>Total</b>	<b>0.1236</b>	<b>0.8573</b>	<b>0.8486</b>	<b>3.2400e-003</b>	<b>0.1967</b>	<b>7.4100e-003</b>	<b>0.2041</b>	<b>0.0531</b>	<b>7.0500e-003</b>	<b>0.0602</b>		<b>334.4609</b>	<b>334.4609</b>	<b>0.0206</b>		<b>334.9769</b>

North County 22, M - San Diego County, Winter

**3.3 Building Construction - 2019**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127		2.591.580 <sub>2</sub>	2.591.580 <sub>2</sub>	0.6313		2.607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>		<b>2.591.580<sub>2</sub></b>	<b>2.591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2.607.363<sub>5</sub></b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.1132</b>	<b>0.8030</b>	<b>0.7685</b>	<b>3.1800e-003</b>	<b>0.1967</b>	<b>6.3800e-003</b>	<b>0.2031</b>	<b>0.0531</b>	<b>6.0700e-003</b>	<b>0.0592</b>		<b>328.3138</b>	<b>328.3138</b>	<b>0.0196</b>		<b>328.8037</b>

North County 22, M - San Diego County, Winter

**3.3 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>		<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	5.0100e-003		155.3388
<b>Total</b>	<b>0.1132</b>	<b>0.8030</b>	<b>0.7685</b>	<b>3.1800e-003</b>	<b>0.1967</b>	<b>6.3800e-003</b>	<b>0.2031</b>	<b>0.0531</b>	<b>6.0700e-003</b>	<b>0.0592</b>			<b>328.3138</b>	<b>0.0196</b>		<b>328.8037</b>



North County 22, M - San Diego County, Winter

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>168.4655</b>	<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

North County 22, M - San Diego County, Winter

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.8400e-003		168.6114
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>			<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

North County 22, M - San Diego County, Winter

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0666</b>	<b>0.0462</b>	<b>0.4386</b>	<b>1.2300e-003</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>		<b>122.5371</b>	<b>122.5371</b>	<b>3.9500e-003</b>		<b>122.6359</b>

North County 22, M - San Diego County, Winter

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	1,230.0e-003	0.1232	8,800.0e-004	0.1241	0.0327	8,100.0e-004	0.0335			122.5371	3,950.0e-003		122.6359
<b>Total</b>	<b>0.0666</b>	<b>0.0462</b>	<b>0.4386</b>	<b>1,230.0e-003</b>	<b>0.1232</b>	<b>8,800.0e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8,100.0e-004</b>	<b>0.0335</b>			<b>122.5371</b>	<b>3,950.0e-003</b>		<b>122.6359</b>

North County 22, M - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

North County 22, M - San Diego County, Winter

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

**4.0 Operational Detail - Mobile**

North County 22, M - San Diego County, Winter

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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	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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
NaturalGas Mitigated	0.0570	0.4874	0.2074	3.1100e-003	0.0394	0.0394	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	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**

Land Use	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	
	kBTU/yr																	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	
<b>Total</b>		<b>0.0570</b>	<b>0.4874</b>	<b>0.2074</b>	<b>3.1100e-003</b>		<b>0.0394</b>	<b>0.0394</b>		<b>0.0394</b>	<b>0.0394</b>		<b>622.2636</b>	<b>622.2636</b>	<b>0.0119</b>	<b>0.0114</b>	<b>625.9614</b>	

**Mitigated**

Land Use	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	
	kBTU/yr																	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	
<b>Total</b>		<b>0.0570</b>	<b>0.4874</b>	<b>0.2074</b>	<b>3.1100e-003</b>		<b>0.0394</b>	<b>0.0394</b>		<b>0.0394</b>	<b>0.0394</b>		<b>622.2636</b>	<b>622.2636</b>	<b>0.0119</b>	<b>0.0114</b>	<b>625.9614</b>	

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

North County 22, M - San Diego County, Winter

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	2.3922	0.9119	4.6383	5.7300e-003	0.0935	0.0935	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	0.0935	0.0935	0.0000	1,108.9012	1,108.9012	0.0285	0.0202	1,115.6288

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.1605				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.1009	0.8626	0.3671	5.5100e-003	0.0697	0.0697	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	0.0238	0.0238		7.7247	7.7247	7.3500e-003		7.9085
<b>Total</b>	<b>2.3922</b>	<b>0.9119</b>	<b>4.6383</b>	<b>5.7400e-003</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0000</b>	<b>1,108.9012</b>	<b>1,108.9012</b>	<b>0.0285</b>	<b>0.0202</b>	<b>1,115.6288</b>

North County 22, M - San Diego County, Winter

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.1605					0.0000	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			0.0000
Hearth	0.1009	0.8626	0.3671	5.5100e-003	0.0697	0.0697	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	0.0238	0.0238		7.7247	7.7247	7.3500e-003		7.9085
<b>Total</b>	<b>2.3922</b>	<b>0.9119</b>	<b>4.6383</b>	<b>5.7400e-003</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0935</b>	<b>0.0000</b>	<b>1,108.9012</b>	<b>1,108.9012</b>	<b>0.0285</b>	<b>0.0202</b>	<b>1,115.6288</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**



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**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	18.8935	0.3700	23.6549	0.0411	3.1839	3.1839	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	9.0900e-003	9.0900e-003	143.5993	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	656.2129	0.0294		656.9471
<b>Total</b>	<b>19.0085</b>	<b>1.0259</b>	<b>24.9995</b>	<b>0.0482</b>	<b>0.7567</b>	<b>3.1953</b>	<b>3.9520</b>	<b>0.2023</b>	<b>3.1951</b>	<b>3.3974</b>	<b>333.2608</b>	<b>941.3595</b>	<b>1,274.620<sub>3</sub></b>	<b>0.3414</b>	<b>0.0288</b>	<b>1,291.750<sub>4</sub></b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	18.8935	0.3700	23.6549	0.0411	3.1839	3.1839	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	9.0900e-003	9.0900e-003	143.5993	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	656.2129	0.0294		656.9471
<b>Total</b>	<b>19.0085</b>	<b>1.0259</b>	<b>24.9995</b>	<b>0.0482</b>	<b>0.7567</b>	<b>3.1953</b>	<b>3.9520</b>	<b>0.2023</b>	<b>3.1951</b>	<b>3.3974</b>	<b>333.2608</b>	<b>941.3595</b>	<b>1,274.620<sub>3</sub></b>	<b>0.3414</b>	<b>0.0288</b>	<b>1,291.750<sub>4</sub></b>



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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	7.5087				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>7.7751</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

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

North County 37, UM - San Diego County, Summer

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	7.5087				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>7.7751</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

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

North County 37, UM - San Diego County, Summer

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999	1.4099	1.4099	1.4099		2.620.935 <sub>1</sub>	2.620.935 <sub>1</sub>	0.6421		2.636.988 <sub>3</sub>
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>		<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>		<b>2.620.935<sub>1</sub></b>	<b>2.620.935<sub>1</sub></b>	<b>0.6421</b>		<b>2.636.988<sub>3</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0222</b>	<b>0.1440</b>	<b>0.1718</b>	<b>6.4000e-004</b>	<b>0.0396</b>	<b>1.2700e-003</b>	<b>0.0409</b>	<b>0.0107</b>	<b>1.2100e-003</b>	<b>0.0119</b>		<b>65.7080</b>	<b>65.7080</b>	<b>3.5900e-003</b>		<b>65.7978</b>

North County 37, UM - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	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	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	1.2300e-003		35.9197
<b>Total</b>	<b>0.0222</b>	<b>0.1440</b>	<b>0.1718</b>	<b>6.4000e-004</b>	<b>0.0396</b>	<b>1.2700e-003</b>	<b>0.0409</b>	<b>0.0107</b>	<b>1.2100e-003</b>	<b>0.0119</b>			<b>65.7080</b>	<b>3.5900e-003</b>		<b>65.7978</b>

North County 37, UM - San Diego County, Summer

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272		2.988.0216	2.988.0216	0.9302		3.011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>		<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0639</b>	<b>0.0460</b>	<b>0.5135</b>	<b>1.3500e-003</b>	<b>0.1232</b>	<b>8.9000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.2000e-004</b>	<b>0.0335</b>		<b>134.5837</b>	<b>134.5837</b>	<b>4.6100e-003</b>		<b>134.6988</b>

North County 37, UM - San Diego County, Summer

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272	0.0000	2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>	<b>0.0000</b>	<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0639</b>	<b>0.0460</b>	<b>0.5135</b>	<b>1.3500e-003</b>	<b>0.1232</b>	<b>8.9000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.2000e-004</b>	<b>0.0335</b>		<b>134.5837</b>	<b>134.5837</b>	<b>4.6100e-003</b>		<b>134.6988</b>



North County 37, UM - San Diego County, Summer

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

North County 37, UM - San Diego County, Summer

**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6.1400e-003		179.5984
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

North County 37, UM - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

North County 37, UM - San Diego County, Summer

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

**4.0 Operational Detail - Mobile**

North County 37, UM - San Diego County, Summer

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0132	0.1125	0.0479	7.2000e-004	9.0900e-003	9.0900e-003	9.0900e-003	9.0900e-003	9.0900e-003	9.0900e-003	143.5993	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	9.0900e-003	9.0900e-003	143.5993	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

Land Use	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
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	9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
<b>Total</b>		<b>0.0132</b>	<b>0.1125</b>	<b>0.0479</b>	<b>7.2000e-004</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>		<b>143.5993</b>	<b>143.5993</b>	<b>2.7500e-003</b>	<b>2.6300e-003</b>	<b>144.4526</b>

Mitigated

Land Use	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
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	9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
<b>Total</b>		<b>0.0132</b>	<b>0.1125</b>	<b>0.0479</b>	<b>7.2000e-004</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>		<b>143.5993</b>	<b>143.5993</b>	<b>2.7500e-003</b>	<b>2.6300e-003</b>	<b>144.4526</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

North County 37, UM - San Diego County, Summer

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

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.7826	1.7000e-003		1.8251
<b>Total</b>	<b>18.8935</b>	<b>0.3700</b>	<b>23.6550</b>	<b>0.0411</b>		<b>3.1839</b>	<b>3.1839</b>		<b>3.1839</b>	<b>3.1839</b>	<b>333.2608</b>	<b>141.5473</b>	<b>474.8081</b>	<b>0.3092</b>	<b>0.0262</b>	<b>490.3508</b>



North County 37, UM - San Diego County, Summer

**6.2 Area by SubCategory**

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0370					0.0000	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			0.0000
Hearth	18.3647	0.3586	22.6693	0.0411		3.1785	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	5.4900e-003		1.7826	1.7826	1.7000e-003		1.8251
<b>Total</b>	<b>18.8935</b>	<b>0.3700</b>	<b>23.6550</b>	<b>0.0411</b>		<b>3.1839</b>	<b>3.1839</b>	<b>3.1839</b>	<b>3.1839</b>	<b>3.1839</b>	<b>333.2608</b>	<b>141.5473</b>	<b>474.8081</b>	<b>0.3092</b>	<b>0.0262</b>	<b>490.3508</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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

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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	6.60	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**

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North County 37, M - San Diego County, Summer

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.5520	0.2104	1.0704	1.3200e-003	0.0216	0.0216	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	9.0900e-003	9.0900e-003	143.5993	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	656.2129	0.0294		656.9471
<b>Total</b>	<b>0.6670</b>	<b>0.8663</b>	<b>2.4150</b>	<b>8.4100e-003</b>	<b>0.7567</b>	<b>0.0329</b>	<b>0.7896</b>	<b>0.2023</b>	<b>0.0328</b>	<b>0.2350</b>	<b>0.0000</b>	<b>1,055.7125</b>	<b>1,055.7125</b>	<b>0.0387</b>	<b>7.2900e-003</b>	<b>1,058.8525</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.5520	0.2104	1.0704	1.3200e-003	0.0216	0.0216	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	9.0900e-003	9.0900e-003	143.5993	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	656.2129	0.0294		656.9471
<b>Total</b>	<b>0.6670</b>	<b>0.8663</b>	<b>2.4150</b>	<b>8.4100e-003</b>	<b>0.7567</b>	<b>0.0329</b>	<b>0.7896</b>	<b>0.2023</b>	<b>0.0328</b>	<b>0.2350</b>	<b>0.0000</b>	<b>1,055.7125</b>	<b>1,055.7125</b>	<b>0.0387</b>	<b>7.2900e-003</b>	<b>1,058.8525</b>

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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
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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>7.7751</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

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

North County 37, M - San Diego County, Summer

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	7.5087				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>7.7751</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

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

North County 37, M - San Diego County, Summer

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999	1.4099	1.4099	1.4099		2.620.935 <sub>1</sub>	2.620.935 <sub>1</sub>	0.6421		2.636.988 <sub>3</sub>
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>		<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>		<b>2.620.935<sub>1</sub></b>	<b>2.620.935<sub>1</sub></b>	<b>0.6421</b>		<b>2.636.988<sub>3</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0222</b>	<b>0.1440</b>	<b>0.1718</b>	<b>6.4000e-004</b>	<b>0.0396</b>	<b>1.2700e-003</b>	<b>0.0409</b>	<b>0.0107</b>	<b>1.2100e-003</b>	<b>0.0119</b>		<b>65.7080</b>	<b>65.7080</b>	<b>3.5900e-003</b>		<b>65.7978</b>

North County 37, M - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	1.2300e-003		35.9197
<b>Total</b>	<b>0.0222</b>	<b>0.1440</b>	<b>0.1718</b>	<b>6.4000e-004</b>	<b>0.0396</b>	<b>1.2700e-003</b>	<b>0.0409</b>	<b>0.0107</b>	<b>1.2100e-003</b>	<b>0.0119</b>			<b>65.7080</b>	<b>3.5900e-003</b>		<b>65.7978</b>

North County 37, M - San Diego County, Summer

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0639</b>	<b>0.0460</b>	<b>0.5135</b>	<b>1.3500e-003</b>	<b>0.1232</b>	<b>8.9000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.2000e-004</b>	<b>0.0335</b>		<b>134.5837</b>	<b>134.5837</b>	<b>4.6100e-003</b>		<b>134.6988</b>

North County 37, M - San Diego County, Summer

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272	0.0000	2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>	<b>0.0000</b>	<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0639</b>	<b>0.0460</b>	<b>0.5135</b>	<b>1.3500e-003</b>	<b>0.1232</b>	<b>8.9000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.2000e-004</b>	<b>0.0335</b>		<b>134.5837</b>	<b>134.5837</b>	<b>4.6100e-003</b>		<b>134.6988</b>

North County 37, M - San Diego County, Summer

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>



North County 37, M - San Diego County, Summer

**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6.1400e-003		179.5984
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>			<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

North County 37, M - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.5769	2.3708	2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

North County 37, M - San Diego County, Summer

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

**4.0 Operational Detail - Mobile**

North County 37, M - San Diego County, Summer

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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, M - San Diego County, Summer

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0132	0.1125	0.0479	7.2000e-004	9.0900e-003	9.0900e-003	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	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 - Natural Gas**

**Unmitigated**

Land Use	Natural Gas Use kBtu/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
<b>Total</b>		<b>0.0132</b>	<b>0.1125</b>	<b>0.0479</b>	<b>7.2000e-004</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>		<b>143.5993</b>	<b>143.5993</b>	<b>2.7500e-003</b>	<b>2.6300e-003</b>	<b>144.4526</b>

**Mitigated**

Land Use	Natural Gas Use kBtu/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
<b>Total</b>		<b>0.0132</b>	<b>0.1125</b>	<b>0.0479</b>	<b>7.2000e-004</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>		<b>143.5993</b>	<b>143.5993</b>	<b>2.7500e-003</b>	<b>2.6300e-003</b>	<b>144.4526</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

North County 37, M - San Diego County, Summer

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	0.5520	0.2104	1.0704	1.3200e-003	0.0216	0.0216	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	0.0216	0.0216	0.0000	255.9003	255.9003	6.5700e-003	4.6600e-003	257.4528

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0370				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.0233	0.1991	0.0847	1.2700e-003	0.0161	0.0161	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	5.4900e-003	5.4900e-003	1.7826	1.7826	1.7826	1.7000e-003		1.8251
<b>Total</b>	<b>0.5520</b>	<b>0.2104</b>	<b>1.0704</b>	<b>1.3200e-003</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0000</b>	<b>255.9003</b>	<b>255.9003</b>	<b>6.5700e-003</b>	<b>4.6600e-003</b>	<b>257.4528</b>

North County 37, M - San Diego County, Summer

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0370					0.0000	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			0.0000
Hearth	0.0233	0.1991	0.0847	1.2700e-003	0.0161	0.0161	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	5.4900e-003	5.4900e-003	1.7826	1.7826	1.7826	1.7000e-003		1.8251
<b>Total</b>	<b>0.5520</b>	<b>0.2104</b>	<b>1.0704</b>	<b>1.3200e-003</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0000</b>	<b>255.9003</b>	<b>255.9003</b>	<b>6.5700e-003</b>	<b>4.6600e-003</b>	<b>257.4528</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	18.8935	0.3700	23.6549	0.0411	3.1839	3.1839	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	9.0900e-003	9.0900e-003	143.5993	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	624.8265	0.0296		625.5661
<b>Total</b>	<b>19.0063</b>	<b>1.0329</b>	<b>24.9681</b>	<b>0.0479</b>	<b>0.7567</b>	<b>3.1953</b>	<b>3.9520</b>	<b>0.2023</b>	<b>3.1951</b>	<b>3.3974</b>	<b>333.2608</b>	<b>909.9732</b>	<b>1,243.2339</b>	<b>0.3416</b>	<b>0.0288</b>	<b>1,260.3694</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	18.8935	0.3700	23.6549	0.0411	3.1839	3.1839	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	9.0900e-003	9.0900e-003	143.5993	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	624.8265	0.0296		625.5661
<b>Total</b>	<b>19.0063</b>	<b>1.0329</b>	<b>24.9681</b>	<b>0.0479</b>	<b>0.7567</b>	<b>3.1953</b>	<b>3.9520</b>	<b>0.2023</b>	<b>3.1951</b>	<b>3.3974</b>	<b>333.2608</b>	<b>909.9732</b>	<b>1,243.2339</b>	<b>0.3416</b>	<b>0.0288</b>	<b>1,260.3694</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	7.5087				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>7.7751</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

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



North County 37, UM - San Diego County, Winter

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>7.7751</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

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

North County 37, UM - San Diego County, Winter

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	2.620.935	1	2.620.935	0.6421		2.636.988
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>2.620.935</b>	<b>1</b>	<b>2.620.935</b>	<b>0.6421</b>		<b>2.636.988</b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	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
<b>Total</b>	<b>0.0246</b>	<b>0.1458</b>	<b>0.1685</b>	<b>6.1000e-004</b>	<b>0.0396</b>	<b>1.2900e-003</b>	<b>0.0409</b>	<b>0.0107</b>	<b>1.2200e-003</b>	<b>0.0119</b>	<b>62.7629</b>		<b>62.7629</b>	<b>3.6900e-003</b>		<b>62.8550</b>

North County 37, UM - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	1.1700e-003		33.7223
<b>Total</b>	<b>0.0246</b>	<b>0.1458</b>	<b>0.1685</b>	<b>6.1000e-004</b>	<b>0.0396</b>	<b>1.2900e-003</b>	<b>0.0409</b>	<b>0.0107</b>	<b>1.2200e-003</b>	<b>0.0119</b>			<b>62.7629</b>	<b>3.6900e-003</b>		<b>62.8550</b>

North County 37, UM - San Diego County, Winter

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272		2.988.0216	2.988.0216	0.9302		3.011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>		<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0721</b>	<b>0.0516</b>	<b>0.4871</b>	<b>1.2700e-003</b>	<b>0.1232</b>	<b>8.9000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.2000e-004</b>	<b>0.0335</b>		<b>126.3491</b>	<b>126.3491</b>	<b>4.3800e-003</b>		<b>126.4586</b>

North County 37, UM - San Diego County, Winter

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272	0.0000	2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>	<b>0.0000</b>	<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.3800e-003		126.4586
<b>Total</b>	<b>0.0721</b>	<b>0.0516</b>	<b>0.4871</b>	<b>1.2700e-003</b>	<b>0.1232</b>	<b>8.9000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.2000e-004</b>	<b>0.0335</b>		<b>126.3491</b>	<b>126.3491</b>	<b>4.3800e-003</b>		<b>126.4586</b>

North County 37, UM - San Diego County, Winter

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>168.4655</b>	<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

North County 37, UM - San Diego County, Winter

**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.8400e-003		168.6114
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>168.4655</b>	<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

North County 37, UM - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>



North County 37, UM - San Diego County, Winter

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

**4.0 Operational Detail - Mobile**

North County 37, UM - San Diego County, Winter

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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

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### 5.0 Energy Detail

Historical Energy Use: N

#### 5.1 Mitigation Measures Energy

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0132	0.1125	0.0479	7.2000e-004	9.0900e-003	9.0900e-003	9.0900e-003	9.0900e-003	9.0900e-003	9.0900e-003	143.5993	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	9.0900e-003	9.0900e-003	143.5993	143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

Land Use	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
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	9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
<b>Total</b>		<b>0.0132</b>	<b>0.1125</b>	<b>0.0479</b>	<b>7.2000e-004</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>		<b>143.5993</b>	<b>143.5993</b>	<b>2.7500e-003</b>	<b>2.6300e-003</b>	<b>144.4526</b>

**Mitigated**

Land Use	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
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	9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
<b>Total</b>		<b>0.0132</b>	<b>0.1125</b>	<b>0.0479</b>	<b>7.2000e-004</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>	<b>9.0900e-003</b>		<b>143.5993</b>	<b>143.5993</b>	<b>2.7500e-003</b>	<b>2.6300e-003</b>	<b>144.4526</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

North County 37, UM - San Diego County, Winter

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

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.7826	1.7000e-003		1.8251
<b>Total</b>	<b>18.8935</b>	<b>0.3700</b>	<b>23.6550</b>	<b>0.0411</b>		<b>3.1839</b>	<b>3.1839</b>		<b>3.1839</b>	<b>3.1839</b>	<b>333.2608</b>	<b>141.5473</b>	<b>474.8081</b>	<b>0.3092</b>	<b>0.0262</b>	<b>490.3508</b>

North County 37, UM - San Diego County, Winter

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0370					0.0000	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			0.0000
Hearth	18.3647	0.3586	22.6693	0.0411		3.1785	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	5.4900e-003	1.7826	1.7826	1.7826	1.7000e-003		1.8251
<b>Total</b>	<b>18.8935</b>	<b>0.3700</b>	<b>23.6550</b>	<b>0.0411</b>		<b>3.1839</b>	<b>3.1839</b>	<b>3.1839</b>	<b>3.1839</b>	<b>3.1839</b>	<b>333.2608</b>	<b>141.5473</b>	<b>474.8081</b>	<b>0.3092</b>	<b>0.0262</b>	<b>490.3508</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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

North County 37, M - San Diego County, Winter

tblVehicleTrips	WD_TR	9.52	10.00
tblWoodstoves	NumberCatalytic	0.60	0.00
tblWoodstoves	NumberNoncatalytic	0.60	0.00

**2.0 Emissions Summary**

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North County 37, M - San Diego County, Winter

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.5520	0.2104	1.0704	1.3200e-003	0.0216	0.0216	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	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
<b>Total</b>	<b>0.6648</b>	<b>0.8733</b>	<b>2.3835</b>	<b>8.1000e-003</b>	<b>0.7567</b>	<b>0.0329</b>	<b>0.7896</b>	<b>0.2023</b>	<b>0.0328</b>	<b>0.2350</b>	<b>0.0000</b>	<b>1,024.326</b>	<b>1,024.326</b>	<b>0.0389</b>	<b>7.2900e-003</b>	<b>1,027.471</b>
lb/day																

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.5520	0.2104	1.0704	1.3200e-003	0.0216	0.0216	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	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
<b>Total</b>	<b>0.6648</b>	<b>0.8733</b>	<b>2.3835</b>	<b>8.1000e-003</b>	<b>0.7567</b>	<b>0.0329</b>	<b>0.7896</b>	<b>0.2023</b>	<b>0.0328</b>	<b>0.2350</b>	<b>0.0000</b>	<b>1,024.326</b>	<b>1,024.326</b>	<b>0.0389</b>	<b>7.2900e-003</b>	<b>1,027.471</b>
lb/day																

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	7.5087				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>7.7751</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

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

North County 37, M - San Diego County, Winter

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Archit. Coating	7.5087				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>7.7751</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

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



North County 37, M - San Diego County, Winter

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	33.6931	1.1700e-003		33.7223
<b>Total</b>	<b>0.0246</b>	<b>0.1458</b>	<b>0.1685</b>	<b>6.1000e-004</b>	<b>0.0396</b>	<b>1.2900e-003</b>	<b>0.0409</b>	<b>0.0107</b>	<b>1.2200e-003</b>	<b>0.0119</b>	<b>62.7629</b>	<b>62.7629</b>	<b>62.7629</b>	<b>3.6900e-003</b>		<b>62.8550</b>

North County 37, M - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	1.1700e-003		33.7223
<b>Total</b>	<b>0.0246</b>	<b>0.1458</b>	<b>0.1685</b>	<b>6.1000e-004</b>	<b>0.0396</b>	<b>1.2900e-003</b>	<b>0.0409</b>	<b>0.0107</b>	<b>1.2200e-003</b>	<b>0.0119</b>			<b>62.7629</b>	<b>3.6900e-003</b>		<b>62.8550</b>

North County 37, M - San Diego County, Winter

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272		2.988.0216	2.988.0216	0.9302		3.011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>		<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0721</b>	<b>0.0516</b>	<b>0.4871</b>	<b>1.2700e-003</b>	<b>0.1232</b>	<b>8.9000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.2000e-004</b>	<b>0.0335</b>		<b>126.3491</b>	<b>126.3491</b>	<b>4.3800e-003</b>		<b>126.4586</b>

North County 37, M - San Diego County, Winter

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.5513	1.4272	1.4272	1.4272	0.0000	2.988.0216	2.988.0216	0.9302		3,011.2769
<b>Total</b>	<b>2.7733</b>	<b>30.6725</b>	<b>16.5770</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.5513</b>	<b>8.1037</b>	<b>3.3675</b>	<b>1.4272</b>	<b>4.7947</b>	<b>0.0000</b>	<b>2,988.0216</b>	<b>2,988.0216</b>	<b>0.9302</b>		<b>3,011.2769</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.3800e-003		126.4586
<b>Total</b>	<b>0.0721</b>	<b>0.0516</b>	<b>0.4871</b>	<b>1.2700e-003</b>	<b>0.1232</b>	<b>8.9000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.2000e-004</b>	<b>0.0335</b>		<b>126.3491</b>	<b>126.3491</b>	<b>4.3800e-003</b>		<b>126.4586</b>

North County 37, M - San Diego County, Winter

**3.5 Paving - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.8400e-003		168.6114
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>			<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

North County 37, M - San Diego County, Winter

**3.5 Paving - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	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	5.8400e-003			168.6114
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>			<b>168.4655</b>	<b>5.8400e-003</b>			<b>168.6114</b>

North County 37, M - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

North County 37, M - San Diego County, Winter

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.2500e-003		151.7503
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>			<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

**4.0 Operational Detail - Mobile**



North County 37, M - San Diego County, Winter

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O 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

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0132	0.1125	0.0479	7.2000e-004	9.0900e-003	9.0900e-003	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	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**

Land Use	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
	kBTU/yr																
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	9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
<b>Total</b>		<b>0.0132</b>	<b>0.1125</b>	<b>0.0479</b>	<b>7.2000e-004</b>		<b>9.0900e-003</b>	<b>9.0900e-003</b>		<b>9.0900e-003</b>	<b>9.0900e-003</b>		<b>143.5993</b>	<b>143.5993</b>	<b>2.7500e-003</b>	<b>2.6300e-003</b>	<b>144.4526</b>

**Mitigated**

Land Use	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
	kBTU/yr																
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	9.0900e-003	9.0900e-003		143.5993	143.5993	2.7500e-003	2.6300e-003	144.4526
<b>Total</b>		<b>0.0132</b>	<b>0.1125</b>	<b>0.0479</b>	<b>7.2000e-004</b>		<b>9.0900e-003</b>	<b>9.0900e-003</b>		<b>9.0900e-003</b>	<b>9.0900e-003</b>		<b>143.5993</b>	<b>143.5993</b>	<b>2.7500e-003</b>	<b>2.6300e-003</b>	<b>144.4526</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

North County 37, M - San Diego County, Winter

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	0.5520	0.2104	1.0704	1.3200e-003	0.0216	0.0216	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	0.0216	0.0216	0.0000	255.9003	255.9003	6.5700e-003	4.6600e-003	257.4528

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0370				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.0233	0.1991	0.0847	1.2700e-003	0.0161	0.0161	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	5.4900e-003	5.4900e-003	1.7826	1.7826	1.7826	1.7000e-003		1.8251
<b>Total</b>	<b>0.5520</b>	<b>0.2104</b>	<b>1.0704</b>	<b>1.3200e-003</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0000</b>	<b>255.9003</b>	<b>255.9003</b>	<b>6.5700e-003</b>	<b>4.6600e-003</b>	<b>257.4528</b>

North County 37, M - San Diego County, Winter

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0370					0.0000	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			0.0000
Hearth	0.0233	0.1991	0.0847	1.2700e-003		0.0161	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	5.4900e-003	1.7826	1.7826	1.7826	1.7000e-003		1.8251
<b>Total</b>	<b>0.5520</b>	<b>0.2104</b>	<b>1.0704</b>	<b>1.3200e-003</b>		<b>0.0216</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0216</b>	<b>0.0000</b>	<b>255.9003</b>	<b>255.9003</b>	<b>6.5700e-003</b>	<b>4.6600e-003</b>	<b>257.4528</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**



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**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	59.8294	1.1717	74.9073	0.1302	10.0825	10.0825	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	0.0288	0.0288	454.7311	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	2,078.0076	0.0930		2,080.3324
<b>Total</b>	<b>60.1936</b>	<b>3.2485</b>	<b>79.1652</b>	<b>0.1527</b>	<b>2.3963</b>	<b>10.1183</b>	<b>12.5147</b>	<b>0.6405</b>	<b>10.1178</b>	<b>10.7583</b>	<b>1,055.3258</b>	<b>2,980.9719</b>	<b>4,036.2976</b>	<b>1.0810</b>	<b>0.0914</b>	<b>4,090.5431</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	59.8294	1.1717	74.9073	0.1302	10.0825	10.0825	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	0.0288	0.0288	454.7311	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	2,078.0076	0.0930		2,080.3324
<b>Total</b>	<b>60.1936</b>	<b>3.2485</b>	<b>79.1652</b>	<b>0.1527</b>	<b>2.3963</b>	<b>10.1183</b>	<b>12.5147</b>	<b>0.6405</b>	<b>10.1178</b>	<b>10.7583</b>	<b>1,055.3258</b>	<b>2,980.9719</b>	<b>4,036.2976</b>	<b>1.0810</b>	<b>0.0914</b>	<b>4,090.5431</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	21.3998				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>21.6662</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0118</b>	<b>8.2200e-003</b>	<b>0.0928</b>	<b>2.6000e-004</b>	<b>0.0246</b>	<b>1.8000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.6000e-004</b>	<b>6.7000e-003</b>		<b>26.1060</b>	<b>26.1060</b>	<b>8.3000e-004</b>		<b>26.1268</b>

North County 38+, UM - San Diego County, Summer

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	21.3998				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>21.6662</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	26.1060	8.3000e-004		26.1268
<b>Total</b>	<b>0.0118</b>	<b>8.2200e-003</b>	<b>0.0928</b>	<b>2.6000e-004</b>	<b>0.0246</b>	<b>1.8000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.6000e-004</b>	<b>6.7000e-003</b>	<b>26.1060</b>	<b>26.1060</b>	<b>26.1060</b>	<b>8.3000e-004</b>		<b>26.1268</b>

North County 38+, UM - San Diego County, Summer

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099		2.620.9351	2.620.9351	0.6421		2.636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>		<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>		<b>1.4099</b>		<b>2.620.9351</b>	<b>2.620.9351</b>	<b>0.6421</b>		<b>2.636.9883</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0802</b>	<b>0.5699</b>	<b>0.6188</b>	<b>2.3700e-003</b>	<b>0.1421</b>	<b>4.9500e-003</b>	<b>0.1470</b>	<b>0.0383</b>	<b>4.7000e-003</b>	<b>0.0430</b>		<b>244.8874</b>	<b>244.8874</b>	<b>0.0138</b>		<b>245.2312</b>

North County 38+, UM - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	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	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	4.3000e-003		125.7189
<b>Total</b>	<b>0.0802</b>	<b>0.5699</b>	<b>0.6188</b>	<b>2.3700e-003</b>	<b>0.1421</b>	<b>4.9500e-003</b>	<b>0.1470</b>	<b>0.0383</b>	<b>4.7000e-003</b>	<b>0.0430</b>			<b>244.8874</b>	<b>0.0138</b>		<b>245.2312</b>



North County 38+, UM - San Diego County, Summer

**3.3 Building Construction - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	2,591.580 <sub>2</sub>	2,591.580 <sub>2</sub>	2,591.580 <sub>2</sub>	0.6313		2,607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>2,591.580<sub>2</sub></b>	<b>2,591.580<sub>2</sub></b>	<b>2,591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2,607.363<sub>5</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	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	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	3.8900e-003		121.9252
<b>Total</b>	<b>0.0734</b>	<b>0.5343</b>	<b>0.5612</b>	<b>2.3200e-003</b>	<b>0.1421</b>	<b>4.2700e-003</b>	<b>0.1464</b>	<b>0.0383</b>	<b>4.0600e-003</b>	<b>0.0424</b>			<b>240.2346</b>	<b>0.0130</b>		<b>240.5604</b>

North County 38+, UM - San Diego County, Summer

**3.3 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 <sub>2</sub>	2,591.580 <sub>2</sub>	0.6313		2,607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580<sub>2</sub></b>	<b>2,591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2,607.363<sub>5</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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
<b>Total</b>	<b>0.0734</b>	<b>0.5343</b>	<b>0.5612</b>	<b>2.3200e-003</b>	<b>0.1421</b>	<b>4.2700e-003</b>	<b>0.1464</b>	<b>0.0383</b>	<b>4.0600e-003</b>	<b>0.0424</b>		<b>240.2346</b>	<b>240.2346</b>	<b>0.0130</b>		<b>240.5604</b>

North County 38+, UM - San Diego County, Summer

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

North County 38+, UM - San Diego County, Summer

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6.1400e-003		179.5984
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>			<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

North County 38+, UM - San Diego County, Summer

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0589</b>	<b>0.0411</b>	<b>0.4641</b>	<b>1.3100e-003</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>		<b>130.5300</b>	<b>130.5300</b>	<b>4.1700e-003</b>		<b>130.6342</b>

North County 38+, UM - San Diego County, Summer

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.1700e-003		130.6342
<b>Total</b>	<b>0.0589</b>	<b>0.0411</b>	<b>0.4641</b>	<b>1.3100e-003</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>		<b>130.5300</b>	<b>130.5300</b>	<b>4.1700e-003</b>		<b>130.6342</b>

North County 38+, UM - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

North County 38+, UM - San Diego County, Summer

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

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

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

**4.0 Operational Detail - Mobile**



North County 38+, UM - San Diego County, Summer

**4.1 Mitigation Measures Mobile**

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

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

North County 38+, UM - San Diego County, Summer

### 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0417	0.3562	0.1516	2.2700e-003	0.0288	0.0288	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	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 - Natural Gas**

**Unmitigated**

Land Use	Natural Gas Use kBtu/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>		<b>0.0417</b>	<b>0.3562</b>	<b>0.1516</b>	<b>2.2700e-003</b>		<b>0.0288</b>	<b>0.0288</b>		<b>0.0288</b>	<b>0.0288</b>		<b>454.7311</b>	<b>454.7311</b>	<b>8.7200e-003</b>	<b>8.3400e-003</b>	<b>457.4333</b>

**Mitigated**

Land Use	Natural Gas Use kBtu/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>		<b>0.0417</b>	<b>0.3562</b>	<b>0.1516</b>	<b>2.2700e-003</b>		<b>0.0288</b>	<b>0.0288</b>		<b>0.0288</b>	<b>0.0288</b>		<b>454.7311</b>	<b>454.7311</b>	<b>8.7200e-003</b>	<b>8.3400e-003</b>	<b>457.4333</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

North County 38+, UM - San Diego County, Summer

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	59.8294	1.1717	74.9073	0.1302	10.0825	10.0825	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	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**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.1173				0.0000	0.0000	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			0.0000			0.0000
Hearth	58.1550	1.1357	71.7860	0.1301	10.0651	10.0651	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	0.0174	0.0174		5.6450	5.6450	5.3700e-003		5.7793
<b>Total</b>	<b>59.8294</b>	<b>1.1717</b>	<b>74.9073</b>	<b>0.1302</b>	<b>10.0825</b>	<b>10.0825</b>	<b>10.0825</b>	<b>10.0825</b>	<b>10.0825</b>	<b>10.0825</b>	<b>1,055.3258</b>	<b>448.2332</b>	<b>1,503.5590</b>	<b>0.9793</b>	<b>0.0830</b>	<b>1,552.7774</b>

North County 38+, UM - San Diego County, Summer

**6.2 Area by SubCategory**

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.1173				0.0000	0.0000	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			0.0000			0.0000
Hearth	58.1550	1.1357	71.7860	0.1301	10.0651	10.0651	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	0.0174	0.0174	5.6450	5.6450	5.6450	5.3700e-003		5.7793
<b>Total</b>	<b>59.8294</b>	<b>1.1717</b>	<b>74.9073</b>	<b>0.1302</b>	<b>10.0825</b>	<b>10.0825</b>	<b>10.0825</b>	<b>10.0825</b>	<b>10.0825</b>	<b>10.0825</b>	<b>1,055.3258</b>	<b>448.2332</b>	<b>1,503.5590</b>	<b>0.9793</b>	<b>0.0830</b>	<b>1,552.7774</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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

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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	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



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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

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.7481	0.6664	3.3895	4.1900e-003	0.0684	0.0684	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	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
<b>Total</b>	<b>2.1123</b>	<b>2.7432</b>	<b>7.6474</b>	<b>0.0266</b>	<b>2.3963</b>	<b>0.1042</b>	<b>2.5005</b>	<b>0.6405</b>	<b>0.1037</b>	<b>0.7442</b>	<b>0.0000</b>	<b>3,343.0895</b>	<b>3,343.0895</b>	<b>0.1225</b>	<b>0.0231</b>	<b>3,353.0329</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.7481	0.6664	3.3895	4.1900e-003	0.0684	0.0684	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	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
<b>Total</b>	<b>2.1123</b>	<b>2.7432</b>	<b>7.6474</b>	<b>0.0266</b>	<b>2.3963</b>	<b>0.1042</b>	<b>2.5005</b>	<b>0.6405</b>	<b>0.1037</b>	<b>0.7442</b>	<b>0.0000</b>	<b>3,343.0895</b>	<b>3,343.0895</b>	<b>0.1225</b>	<b>0.0231</b>	<b>3,353.0329</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	21.3998				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>21.6662</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0118</b>	<b>8.2200e-003</b>	<b>0.0928</b>	<b>2.6000e-004</b>	<b>0.0246</b>	<b>1.8000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.6000e-004</b>	<b>6.7000e-003</b>		<b>26.1060</b>	<b>26.1060</b>	<b>8.3000e-004</b>		<b>26.1268</b>

North County 38+, M - San Diego County, Summer

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>21.6662</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	26.1060	8.3000e-004		26.1268
<b>Total</b>	<b>0.0118</b>	<b>8.2200e-003</b>	<b>0.0928</b>	<b>2.6000e-004</b>	<b>0.0246</b>	<b>1.8000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.6000e-004</b>	<b>6.7000e-003</b>	<b>26.1060</b>	<b>26.1060</b>	<b>26.1060</b>	<b>8.3000e-004</b>		<b>26.1268</b>

North County 38+, M - San Diego County, Summer

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

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0802</b>	<b>0.5699</b>	<b>0.6188</b>	<b>2.3700e-003</b>	<b>0.1421</b>	<b>4.9500e-003</b>	<b>0.1470</b>	<b>0.0383</b>	<b>4.7000e-003</b>	<b>0.0430</b>		<b>244.8874</b>	<b>244.8874</b>	<b>0.0138</b>		<b>245.2312</b>



North County 38+, M - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	4.3000e-003		125.7189
<b>Total</b>	<b>0.0802</b>	<b>0.5699</b>	<b>0.6188</b>	<b>2.3700e-003</b>	<b>0.1421</b>	<b>4.9500e-003</b>	<b>0.1470</b>	<b>0.0383</b>	<b>4.7000e-003</b>	<b>0.0430</b>			<b>244.8874</b>	<b>0.0138</b>		<b>245.2312</b>

North County 38+, M - San Diego County, Summer

**3.3 Building Construction - 2019**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	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	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	3.8900e-003		121.9252
<b>Total</b>	<b>0.0734</b>	<b>0.5343</b>	<b>0.5612</b>	<b>2.3200e-003</b>	<b>0.1421</b>	<b>4.2700e-003</b>	<b>0.1464</b>	<b>0.0383</b>	<b>4.0600e-003</b>	<b>0.0424</b>			<b>240.2346</b>	<b>0.0130</b>		<b>240.5604</b>

North County 38+, M - San Diego County, Summer

**3.3 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	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
<b>Total</b>	<b>0.0734</b>	<b>0.5343</b>	<b>0.5612</b>	<b>2.3200e-003</b>	<b>0.1421</b>	<b>4.2700e-003</b>	<b>0.1464</b>	<b>0.0383</b>	<b>4.0600e-003</b>	<b>0.0424</b>		<b>240.2346</b>	<b>240.2346</b>	<b>0.0130</b>		<b>240.5604</b>

North County 38+, M - San Diego County, Summer

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

North County 38+, M - San Diego County, Summer

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6.1400e-003		179.5984
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

North County 38+, M - San Diego County, Summer

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0589</b>	<b>0.0411</b>	<b>0.4641</b>	<b>1.3100e-003</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>		<b>130.5300</b>	<b>130.5300</b>	<b>4.1700e-003</b>		<b>130.6342</b>

North County 38+, M - San Diego County, Summer

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.1700e-003		130.6342
<b>Total</b>	<b>0.0589</b>	<b>0.0411</b>	<b>0.4641</b>	<b>1.3100e-003</b>	<b>0.1232</b>	<b>8.8000e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8.1000e-004</b>	<b>0.0335</b>			<b>130.5300</b>	<b>4.1700e-003</b>		<b>130.6342</b>

North County 38+, M - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>



North County 38+, M - San Diego County, Summer

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

**4.0 Operational Detail - Mobile**

North County 38+, M - San Diego County, Summer

**4.1 Mitigation Measures Mobile**

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

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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	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

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0417	0.3562	0.1516	2.2700e-003	0.0288	0.0288	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	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 - Natural Gas**

**Unmitigated**

Land Use	Natural Gas Use kBtu/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>		<b>0.0417</b>	<b>0.3562</b>	<b>0.1516</b>	<b>2.2700e-003</b>		<b>0.0288</b>	<b>0.0288</b>		<b>0.0288</b>	<b>0.0288</b>		<b>454.7311</b>	<b>454.7311</b>	<b>8.7200e-003</b>	<b>8.3400e-003</b>	<b>457.4333</b>

**Mitigated**

Land Use	Natural Gas Use kBtu/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>		<b>0.0417</b>	<b>0.3562</b>	<b>0.1516</b>	<b>2.2700e-003</b>		<b>0.0288</b>	<b>0.0288</b>		<b>0.0288</b>	<b>0.0288</b>		<b>454.7311</b>	<b>454.7311</b>	<b>8.7200e-003</b>	<b>8.3400e-003</b>	<b>457.4333</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

North County 38+, M - San Diego County, Summer

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Mitigated	1.7481	0.6664	3.3895	4.1900e-003	0.0684	0.0684	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	0.0684	0.0684	0.0000	810.3509	810.3509	0.0208	0.0148	815.2672

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.1173				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.0738	0.6304	0.2682	4.0200e-003	0.0510	0.0510	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	0.0174	0.0174		5.6450	5.6450	5.3700e-003		5.7793
<b>Total</b>	<b>1.7481</b>	<b>0.6664</b>	<b>3.3895</b>	<b>4.1900e-003</b>	<b>0.0684</b>	<b>0.0684</b>	<b>0.0684</b>	<b>0.0684</b>	<b>0.0684</b>	<b>0.0684</b>	<b>0.0000</b>	<b>810.3509</b>	<b>810.3509</b>	<b>0.0208</b>	<b>0.0148</b>	<b>815.2672</b>

North County 38+, M - San Diego County, Summer

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.1173					0.0000	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			0.0000
Hearth	0.0738	0.6304	0.2682	4.0200e-003		0.0510	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	0.0174		5.6450	5.6450	5.3700e-003		5.7793
<b>Total</b>	<b>1.7481</b>	<b>0.6664</b>	<b>3.3895</b>	<b>4.1900e-003</b>		<b>0.0684</b>	<b>0.0684</b>	<b>0.0684</b>	<b>0.0684</b>	<b>0.0684</b>	<b>0.0000</b>	<b>810.3509</b>	<b>810.3509</b>	<b>0.0208</b>	<b>0.0148</b>	<b>815.2672</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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/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, 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

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	59.8294	1.1717	74.9073	0.1302	10.0825	10.0825	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	0.0288	0.0288	454.7311	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	1,978.6174	0.0937		1,980.9592
<b>Total</b>	<b>60.1866</b>	<b>3.2709</b>	<b>79.0656</b>	<b>0.1517</b>	<b>2.3963</b>	<b>10.1183</b>	<b>12.5147</b>	<b>0.6405</b>	<b>10.1179</b>	<b>10.7583</b>	<b>1,055.3258</b>	<b>2,881.5817</b>	<b>3,936.9074</b>	<b>1.0817</b>	<b>0.0914</b>	<b>3,991.1699</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	59.8294	1.1717	74.9073	0.1302	10.0825	10.0825	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	0.0288	0.0288	454.7311	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	1,978.6174	0.0937		1,980.9592
<b>Total</b>	<b>60.1866</b>	<b>3.2709</b>	<b>79.0656</b>	<b>0.1517</b>	<b>2.3963</b>	<b>10.1183</b>	<b>12.5147</b>	<b>0.6405</b>	<b>10.1179</b>	<b>10.7583</b>	<b>1,055.3258</b>	<b>2,881.5817</b>	<b>3,936.9074</b>	<b>1.0817</b>	<b>0.0914</b>	<b>3,991.1699</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	21.3998				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>21.6662</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0133</b>	<b>9.2300e-003</b>	<b>0.0877</b>	<b>2.5000e-004</b>	<b>0.0246</b>	<b>1.8000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.6000e-004</b>	<b>6.7000e-003</b>		<b>24.5074</b>	<b>24.5074</b>	<b>7.9000e-004</b>		<b>24.5272</b>

North County 38+, UM - San Diego County, Winter

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>21.6662</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	7.9000e-004		24.5272
<b>Total</b>	<b>0.0133</b>	<b>9.2300e-003</b>	<b>0.0877</b>	<b>2.5000e-004</b>	<b>0.0246</b>	<b>1.8000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.6000e-004</b>	<b>6.7000e-003</b>			<b>24.5074</b>	<b>7.9000e-004</b>		<b>24.5272</b>

North County 38+, UM - San Diego County, Winter

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

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	4.0900e-003		118.0280
<b>Total</b>	<b>0.0888</b>	<b>0.5761</b>	<b>0.6090</b>	<b>2.2700e-003</b>	<b>0.1421</b>	<b>5.0200e-003</b>	<b>0.1471</b>	<b>0.0383</b>	<b>4.7700e-003</b>	<b>0.0431</b>			<b>234.2050</b>	<b>0.0142</b>		<b>234.5587</b>



North County 38+, UM - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	4.0900e-003		118.0280
<b>Total</b>	<b>0.0888</b>	<b>0.5761</b>	<b>0.6090</b>	<b>2.2700e-003</b>	<b>0.1421</b>	<b>5.0200e-003</b>	<b>0.1471</b>	<b>0.0383</b>	<b>4.7700e-003</b>	<b>0.0431</b>			<b>234.2050</b>	<b>0.0142</b>		<b>234.5587</b>

North County 38+, UM - San Diego County, Winter

**3.3 Building Construction - 2019**  
**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899	1.2127	1.2127	1.2127		2.591.580 <sub>2</sub>	2.591.580 <sub>2</sub>	0.6313		2.607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>		<b>2.591.580<sub>2</sub></b>	<b>2.591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2.607.363<sub>5</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0814</b>	<b>0.5394</b>	<b>0.5513</b>	<b>2.2300e-003</b>	<b>0.1421</b>	<b>4.3300e-003</b>	<b>0.1464</b>	<b>0.0383</b>	<b>4.1200e-003</b>	<b>0.0424</b>		<b>229.7680</b>	<b>229.7680</b>	<b>0.0134</b>		<b>230.1034</b>

North County 38+, UM - San Diego County, Winter

**3.3 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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
<b>Total</b>	<b>0.0814</b>	<b>0.5394</b>	<b>0.5513</b>	<b>2.2300e-003</b>	<b>0.1421</b>	<b>4.3300e-003</b>	<b>0.1464</b>	<b>0.0383</b>	<b>4.1200e-003</b>	<b>0.0424</b>		<b>229.7680</b>	<b>229.7680</b>	<b>0.0134</b>		<b>230.1034</b>

North County 38+, UM - San Diego County, Winter

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>168.4655</b>	<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

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**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.8400e-003		168.6114
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>			<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

North County 38+, UM - San Diego County, Winter

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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	1,230.0e-003	0.1232	8,800.0e-004	0.1241	0.0327	8,100.0e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
<b>Total</b>	<b>0.0666</b>	<b>0.0462</b>	<b>0.4386</b>	<b>1,230.0e-003</b>	<b>0.1232</b>	<b>8,800.0e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8,100.0e-004</b>	<b>0.0335</b>		<b>122.5371</b>	<b>122.5371</b>	<b>3.9500e-003</b>		<b>122.6359</b>

North County 38+, UM - San Diego County, Winter

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	1,230.0e-003	0.1232	8,800.0e-004	0.1241	0.0327	8,100.0e-004	0.0335			122.5371	3.9500e-003		122.6359
<b>Total</b>	<b>0.0666</b>	<b>0.0462</b>	<b>0.4386</b>	<b>1,230.0e-003</b>	<b>0.1232</b>	<b>8,800.0e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8,100.0e-004</b>	<b>0.0335</b>			<b>122.5371</b>	<b>3.9500e-003</b>		<b>122.6359</b>

North County 38+, UM - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>



North County 38+, UM - San Diego County, Winter

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

**4.0 Operational Detail - Mobile**

North County 38+, UM - San Diego County, Winter

**4.1 Mitigation Measures Mobile**

Category	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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-O or C-NW	H-S or C-C	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, Winter

### 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0417	0.3562	0.1516	2.2700e-003	0.0288	0.0288	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	0.0288	0.0288		454.7311	454.7311	8.7200e-003	8.3400e-003	457.4333

North County 38+, UM - San Diego County, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

Land Use	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	
	kBTU/yr																	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	
<b>Total</b>		<b>0.0417</b>	<b>0.3562</b>	<b>0.1516</b>	<b>2.2700e-003</b>		<b>0.0288</b>	<b>0.0288</b>		<b>0.0288</b>	<b>0.0288</b>		<b>454.7311</b>	<b>454.7311</b>	<b>8.7200e-003</b>	<b>8.3400e-003</b>	<b>457.4333</b>	

**Mitigated**

Land Use	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	
	kBTU/yr																	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	
<b>Total</b>		<b>0.0417</b>	<b>0.3562</b>	<b>0.1516</b>	<b>2.2700e-003</b>		<b>0.0288</b>	<b>0.0288</b>		<b>0.0288</b>	<b>0.0288</b>		<b>454.7311</b>	<b>454.7311</b>	<b>8.7200e-003</b>	<b>8.3400e-003</b>	<b>457.4333</b>	

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

North County 38+, UM - San Diego County, Winter

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	59.8294	1.1717	74.9073	0.1302	10.0825	10.0825	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	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**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.1173				0.0000	0.0000	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			0.0000			0.0000
Hearth	58.1550	1.1357	71.7860	0.1301	10.0651	10.0651	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	0.0174	0.0174		5.6450	5.6450	5.3700e-003		5.7793
<b>Total</b>	<b>59.8294</b>	<b>1.1717</b>	<b>74.9073</b>	<b>0.1302</b>	<b>10.0825</b>	<b>10.0825</b>	<b>10.0825</b>	<b>10.0825</b>	<b>10.0825</b>	<b>10.0825</b>	<b>1,055.3258</b>	<b>448.2332</b>	<b>1,503.5590</b>	<b>0.9793</b>	<b>0.0830</b>	<b>1,552.7774</b>

North County 38+, UM - San Diego County, Winter

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.1173					0.0000	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			0.0000
Hearth	58.1550	1.1357	71.7860	0.1301	10.0651	10.0651	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	0.0174	0.0174	5.6450	5.6450	5.6450	5.3700e-003		5.7793
<b>Total</b>	<b>59.8294</b>	<b>1.1717</b>	<b>74.9073</b>	<b>0.1302</b>	<b>10.0825</b>	<b>10.0825</b>	<b>10.0825</b>	<b>10.0825</b>	<b>10.0825</b>	<b>10.0825</b>	<b>1,055.3258</b>	<b>448.2332</b>	<b>1,503.5590</b>	<b>0.9793</b>	<b>0.0830</b>	<b>1,552.7774</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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**

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North County 38+, M - San Diego County, Winter

**2.2 Overall Operational  
Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.7481	0.6664	3.3895	4.1900e-003	0.0684	0.0684	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	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
<b>Total</b>	<b>2.1053</b>	<b>2.7656</b>	<b>7.5478</b>	<b>0.0256</b>	<b>2.3963</b>	<b>0.1042</b>	<b>2.5006</b>	<b>0.6405</b>	<b>0.1037</b>	<b>0.7442</b>	<b>0.0000</b>	<b>3,243.6993</b>	<b>3,243.6993</b>	<b>0.1232</b>	<b>0.0231</b>	<b>3,253.6597</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.7481	0.6664	3.3895	4.1900e-003	0.0684	0.0684	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	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
<b>Total</b>	<b>2.1053</b>	<b>2.7656</b>	<b>7.5478</b>	<b>0.0256</b>	<b>2.3963</b>	<b>0.1042</b>	<b>2.5006</b>	<b>0.6405</b>	<b>0.1037</b>	<b>0.7442</b>	<b>0.0000</b>	<b>3,243.6993</b>	<b>3,243.6993</b>	<b>0.1232</b>	<b>0.0231</b>	<b>3,253.6597</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	21.3998				0.0000	0.0000	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	0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>21.6662</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0133</b>	<b>9.2300e-003</b>	<b>0.0877</b>	<b>2.5000e-004</b>	<b>0.0246</b>	<b>1.8000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.6000e-004</b>	<b>6.7000e-003</b>		<b>24.5074</b>	<b>24.5074</b>	<b>7.9000e-004</b>		<b>24.5272</b>

North County 38+, M - San Diego County, Winter

**3.2 Architectural Coating - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	21.3998				0.0000	0.0000	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	0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>21.6662</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	24.5074	7.9000e-004		24.5272
<b>Total</b>	<b>0.0133</b>	<b>9.2300e-003</b>	<b>0.0877</b>	<b>2.5000e-004</b>	<b>0.0246</b>	<b>1.8000e-004</b>	<b>0.0248</b>	<b>6.5400e-003</b>	<b>1.6000e-004</b>	<b>6.7000e-003</b>	<b>24.5074</b>	<b>24.5074</b>	<b>24.5074</b>	<b>7.9000e-004</b>		<b>24.5272</b>



North County 38+, M - San Diego County, Winter

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	2.620.935 <sub>1</sub>	2.620.935 <sub>1</sub>	2.620.935 <sub>1</sub>	0.6421		2.636.988 <sub>3</sub>
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>2.620.935<sub>1</sub></b>	<b>2.620.935<sub>1</sub></b>	<b>2.620.935<sub>1</sub></b>	<b>0.6421</b>		<b>2.636.988<sub>3</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	4.0900e-003		118.0280
<b>Total</b>	<b>0.0888</b>	<b>0.5761</b>	<b>0.6090</b>	<b>2.2700e-003</b>	<b>0.1421</b>	<b>5.0200e-003</b>	<b>0.1471</b>	<b>0.0383</b>	<b>4.7700e-003</b>	<b>0.0431</b>			<b>234.2050</b>	<b>0.0142</b>		<b>234.5587</b>

North County 38+, M - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>	<b>0.0000</b>	<b>2,620.9351</b>	<b>2,620.9351</b>	<b>0.6421</b>		<b>2,636.9883</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	4.0900e-003		118.0280
<b>Total</b>	<b>0.0888</b>	<b>0.5761</b>	<b>0.6090</b>	<b>2.2700e-003</b>	<b>0.1421</b>	<b>5.0200e-003</b>	<b>0.1471</b>	<b>0.0383</b>	<b>4.7700e-003</b>	<b>0.0431</b>			<b>234.2050</b>	<b>0.0142</b>		<b>234.5587</b>

North County 38+, M - San Diego County, Winter

**3.3 Building Construction - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899	1.2127	1.2127	1.2127		2.591.580 <sub>2</sub>	2.591.580 <sub>2</sub>	0.6313		2.607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>		<b>2.591.580<sub>2</sub></b>	<b>2.591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2.607.363<sub>5</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0814</b>	<b>0.5394</b>	<b>0.5513</b>	<b>2.2300e-003</b>	<b>0.1421</b>	<b>4.3300e-003</b>	<b>0.1464</b>	<b>0.0383</b>	<b>4.1200e-003</b>	<b>0.0424</b>		<b>229.7680</b>	<b>229.7680</b>	<b>0.0134</b>		<b>230.1034</b>

North County 38+, M - San Diego County, Winter

**3.3 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 <sub>2</sub>	2,591.580 <sub>2</sub>	0.6313		2,607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>		<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580<sub>2</sub></b>	<b>2,591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2,607.363<sub>5</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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
<b>Total</b>	<b>0.0814</b>	<b>0.5394</b>	<b>0.5513</b>	<b>2.2300e-003</b>	<b>0.1421</b>	<b>4.3300e-003</b>	<b>0.1464</b>	<b>0.0383</b>	<b>4.1200e-003</b>	<b>0.0424</b>		<b>229.7680</b>	<b>229.7680</b>	<b>0.0134</b>		<b>230.1034</b>

North County 38+, M - San Diego County, Winter

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>168.4655</b>	<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

North County 38+, M - San Diego County, Winter

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.8400e-003		168.6114
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>			<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

North County 38+, M - San Diego County, Winter

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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	1,230.0e-003	0.1232	8,800.0e-004	0.1241	0.0327	8,100.0e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
<b>Total</b>	<b>0.0666</b>	<b>0.0462</b>	<b>0.4386</b>	<b>1,230.0e-003</b>	<b>0.1232</b>	<b>8,800.0e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8,100.0e-004</b>	<b>0.0335</b>		<b>122.5371</b>	<b>122.5371</b>	<b>3.9500e-003</b>		<b>122.6359</b>

North County 38+, M - San Diego County, Winter

**3.5 Paving - 2019**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.4544	15.2441	14.6648	0.0228	0.8246	0.8246	0.8246	0.7586	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			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.8246</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	1,230.0e-003	0.1232	8,800.0e-004	0.1241	0.0327	8,100.0e-004	0.0335			122.5371	3,950.0e-003		122.6359
<b>Total</b>	<b>0.0666</b>	<b>0.0462</b>	<b>0.4386</b>	<b>1,230.0e-003</b>	<b>0.1232</b>	<b>8,800.0e-004</b>	<b>0.1241</b>	<b>0.0327</b>	<b>8,100.0e-004</b>	<b>0.0335</b>			<b>122.5371</b>	<b>3,950.0e-003</b>		<b>122.6359</b>



North County 38+, M - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

North County 38+, M - San Diego County, Winter

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

**4.0 Operational Detail - Mobile**

North County 38+, M - San Diego County, Winter

**4.1 Mitigation Measures Mobile**

Category	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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-O or C-NW	H-S or C-C	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

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0417	0.3562	0.1516	2.2700e-003	0.0288	0.0288	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	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**

Land Use	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
	kBTU/yr																
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
<b>Total</b>		<b>0.0417</b>	<b>0.3562</b>	<b>0.1516</b>	<b>2.2700e-003</b>		<b>0.0288</b>	<b>0.0288</b>		<b>0.0288</b>	<b>0.0288</b>		<b>454.7311</b>	<b>454.7311</b>	<b>8.7200e-003</b>	<b>8.3400e-003</b>	<b>457.4333</b>

**Mitigated**

Land Use	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
	kBTU/yr																
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
<b>Total</b>		<b>0.0417</b>	<b>0.3562</b>	<b>0.1516</b>	<b>2.2700e-003</b>		<b>0.0288</b>	<b>0.0288</b>		<b>0.0288</b>	<b>0.0288</b>		<b>454.7311</b>	<b>454.7311</b>	<b>8.7200e-003</b>	<b>8.3400e-003</b>	<b>457.4333</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

North County 38+, M - San Diego County, Winter

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Mitigated	1.7481	0.6664	3.3895	4.1900e-003	0.0684	0.0684	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	0.0684	0.0684	0.0000	810.3509	810.3509	0.0208	0.0148	815.2672

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.1173				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.0738	0.6304	0.2682	4.0200e-003	0.0510	0.0510	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	0.0174	0.0174		5.6450	5.6450	5.3700e-003		5.7793
<b>Total</b>	<b>1.7481</b>	<b>0.6664</b>	<b>3.3895</b>	<b>4.1900e-003</b>	<b>0.0684</b>	<b>0.0684</b>	<b>0.0684</b>	<b>0.0684</b>	<b>0.0684</b>	<b>0.0684</b>	<b>0.0000</b>	<b>810.3509</b>	<b>810.3509</b>	<b>0.0208</b>	<b>0.0148</b>	<b>815.2672</b>

North County 38+, M - San Diego County, Winter

**6.2 Area by SubCategory**

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.1173					0.0000	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			0.0000
Hearth	0.0738	0.6304	0.2682	4.0200e-003		0.0510	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	0.0174		5.6450	5.6450	5.3700e-003		5.7793
<b>Total</b>	<b>1.7481</b>	<b>0.6664</b>	<b>3.3895</b>	<b>4.1900e-003</b>		<b>0.0684</b>	<b>0.0684</b>	<b>0.0684</b>	<b>0.0684</b>	<b>0.0684</b>	<b>0.0000</b>	<b>810.3509</b>	<b>810.3509</b>	<b>0.0208</b>	<b>0.0148</b>	<b>815.2672</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**





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**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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**

Year	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Maximum</b>	<b>25.2456</b>	<b>59.6127</b>	<b>36.0959</b>	<b>0.0648</b>	<b>18.2962</b>	<b>2.6355</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.4247</b>	<b>12.3639</b>	<b>0.0000</b>	<b>6,520.8519</b>	<b>6,520.8519</b>	<b>1.9532</b>	<b>0.0000</b>	<b>6,569.6814</b>



Pala Pauma 30, UM - San Diego County, Summer

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	192.0838	3.7619	240.4919	0.4181		32.3700	32.3700	32.3700	32.3700	32.3700	3,388.1512	1,439.0646	4,827.2157	3.1440	0.2665	4,985.2326
Energy	0.1338	1.1436	0.4866	7.3000e-003		0.0925	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
<b>Total</b>	<b>193.4166</b>	<b>11.0477</b>	<b>257.4146</b>	<b>0.5079</b>	<b>9.9713</b>	<b>32.4912</b>	<b>42.4624</b>	<b>2.6650</b>	<b>32.4892</b>	<b>35.1542</b>	<b>3,388.1512</b>	<b>11,399.7870</b>	<b>14,787.9382</b>	<b>3.5449</b>	<b>0.2933</b>	<b>14,963.9552</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	192.0838	3.7619	240.4919	0.4181		32.3700	32.3700		32.3700	32.3700	3,388.1512	1,439.0646	4,827.2157	3.1440	0.2665	4,985.2326
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
<b>Total</b>	<b>193.4166</b>	<b>11.0477</b>	<b>257.4146</b>	<b>0.5079</b>	<b>9.9713</b>	<b>32.4912</b>	<b>42.4624</b>	<b>2.6650</b>	<b>32.4892</b>	<b>35.1542</b>	<b>3,388.1512</b>	<b>11,399.7870</b>	<b>14,787.9382</b>	<b>3.5449</b>	<b>0.2933</b>	<b>14,963.9552</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	24.9835				0.0000	0.0000	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	0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>25.2024</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0432</b>	<b>0.0301</b>	<b>0.3517</b>	<b>1.1300e-003</b>	<b>0.1150</b>	<b>7.6000e-004</b>	<b>0.1157</b>	<b>0.0305</b>	<b>7.0000e-004</b>	<b>0.0312</b>		<b>112.9038</b>	<b>112.9038</b>	<b>3.1400e-003</b>		<b>112.9823</b>



Pala Pauma 30, UM - San Diego County, Summer

**3.2 Architectural Coating - 2021**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	24.9835				0.0000	0.0000	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	0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>25.2024</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	3.1400e-003		112.9823
<b>Total</b>	<b>0.0432</b>	<b>0.0301</b>	<b>0.3517</b>	<b>1.1300e-003</b>	<b>0.1150</b>	<b>7.6000e-004</b>	<b>0.1157</b>	<b>0.0305</b>	<b>7.0000e-004</b>	<b>0.0312</b>			<b>112.9038</b>	<b>3.1400e-003</b>		<b>112.9823</b>

Pala Pauma 30, UM - San Diego County, Summer

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	0.0203		608.6378
<b>Total</b>	<b>0.3219</b>	<b>1.8307</b>	<b>2.6455</b>	<b>9.4600e-003</b>	<b>0.6416</b>	<b>0.0161</b>	<b>0.6577</b>	<b>0.1720</b>	<b>0.0153</b>	<b>0.1872</b>			<b>966.2181</b>	<b>0.0496</b>		<b>967.4569</b>

Pala Pauma 30, UM - San Diego County, Summer

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	0.0203		608.6378
<b>Total</b>	<b>0.3219</b>	<b>1.8307</b>	<b>2.6455</b>	<b>9.4600e-003</b>	<b>0.6416</b>	<b>0.0161</b>	<b>0.6577</b>	<b>0.1720</b>	<b>0.0153</b>	<b>0.1872</b>			<b>966.2181</b>	<b>0.0496</b>		<b>967.4569</b>

Pala Pauma 30, UM - San Diego County, Summer

**3.3 Building Construction - 2019**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899	1.2127	1.2127	1.2127		2.591.580 <sub>2</sub>	2.591.580 <sub>2</sub>	0.6313		2.607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>		<b>2.591.580<sub>2</sub></b>	<b>2.591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2.607.363<sub>5</sub></b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.2953</b>	<b>1.7163</b>	<b>2.3972</b>	<b>9.2400e-003</b>	<b>0.6416</b>	<b>0.0141</b>	<b>0.6557</b>	<b>0.1720</b>	<b>0.0133</b>	<b>0.1853</b>		<b>945.3223</b>	<b>945.3223</b>	<b>0.0467</b>		<b>946.4884</b>

Pala Pauma 30, UM - San Diego County, Summer

**3.3 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.2953</b>	<b>1.7163</b>	<b>2.3972</b>	<b>9.2400e-003</b>	<b>0.6416</b>	<b>0.0141</b>	<b>0.6557</b>	<b>0.1720</b>	<b>0.0133</b>	<b>0.1853</b>		<b>945.3223</b>	<b>945.3223</b>	<b>0.0467</b>		<b>946.4884</b>

Pala Pauma 30, UM - San Diego County, Summer

**3.3 Building Construction - 2020**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.2695</b>	<b>1.5643</b>	<b>2.1902</b>	<b>9.0200e-003</b>	<b>0.6416</b>	<b>0.0103</b>	<b>0.6519</b>	<b>0.1720</b>	<b>9.7300e-003</b>	<b>0.1817</b>		<b>924.4038</b>	<b>924.4038</b>	<b>0.0435</b>		<b>925.4899</b>

Pala Pauma 30, UM - San Diego County, Summer

**3.3 Building Construction - 2020**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171	1.0503	1.0503	1.0503	0.0000	2.553.0631	2.553.0631	0.6229		2.568.6345
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>	<b>1.0503</b>	<b>1.0503</b>	<b>1.0503</b>	<b>0.0000</b>	<b>2.553.0631</b>	<b>2.553.0631</b>	<b>0.6229</b>		<b>2.568.6345</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.2695</b>	<b>1.5643</b>	<b>2.1902</b>	<b>9.0200e-003</b>	<b>0.6416</b>	<b>0.0103</b>	<b>0.6519</b>	<b>0.1720</b>	<b>9.7300e-003</b>	<b>0.1817</b>		<b>924.4038</b>	<b>924.4038</b>	<b>0.0435</b>		<b>925.4899</b>

Pala Pauma 30, UM - San Diego County, Summer

**3.3 Building Construction - 2021**  
Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.2485</b>	<b>1.4185</b>	<b>2.0406</b>	<b>8.7900e-003</b>	<b>0.6416</b>	<b>6.2800e-003</b>	<b>0.6479</b>	<b>0.1720</b>	<b>5.8700e-003</b>	<b>0.1778</b>		<b>901.9747</b>	<b>901.9747</b>	<b>0.0411</b>		<b>903.0017</b>



Pala Pauma 30, UM - San Diego County, Summer

**3.3 Building Construction - 2021**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.2485</b>	<b>1.4185</b>	<b>2.0406</b>	<b>8.7900e-003</b>	<b>0.6416</b>	<b>6.2800e-003</b>	<b>0.6479</b>	<b>0.1720</b>	<b>5.8700e-003</b>	<b>0.1778</b>		<b>901.9747</b>	<b>901.9747</b>	<b>0.0411</b>		<b>903.0017</b>

Pala Pauma 30, UM - San Diego County, Summer

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1178</b>	<b>0.0910</b>	<b>1.0065</b>	<b>2.7800e-003</b>	<b>0.2555</b>	<b>1.7700e-003</b>	<b>0.2572</b>	<b>0.0678</b>	<b>1.6300e-003</b>	<b>0.0694</b>		<b>276.4235</b>	<b>276.4235</b>	<b>9.2000e-003</b>		<b>276.6536</b>

Pala Pauma 30, UM - San Diego County, Summer

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	9.2000e-003		276.6536
<b>Total</b>	<b>0.1178</b>	<b>0.0910</b>	<b>1.0065</b>	<b>2.7800e-003</b>	<b>0.2555</b>	<b>1.7700e-003</b>	<b>0.2572</b>	<b>0.0678</b>	<b>1.6300e-003</b>	<b>0.0694</b>			<b>276.4235</b>	<b>9.2000e-003</b>		<b>276.6536</b>

Pala Pauma 30, UM - San Diego County, Summer

**3.5 Paving - 2021**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.2556	12.9191	14.6532	0.0228	0.6777	0.6777	0.6777	0.6235	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			0.0000			0.0000
<b>Total</b>	<b>1.2556</b>	<b>12.9191</b>	<b>14.6532</b>	<b>0.0228</b>	<b>0.6777</b>	<b>0.6777</b>	<b>0.6777</b>	<b>0.6235</b>	<b>0.6235</b>	<b>0.6235</b>		<b>2,207.2109</b>	<b>2,207.2109</b>	<b>0.7139</b>		<b>2,225.0573</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0720</b>	<b>0.0501</b>	<b>0.5862</b>	<b>1.8900e-003</b>	<b>0.1916</b>	<b>1.2700e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.1700e-003</b>	<b>0.0520</b>		<b>188.1729</b>	<b>188.1729</b>	<b>5.2400e-003</b>		<b>188.3039</b>

Pala Pauma 30, UM - San Diego County, Summer

**3.5 Paving - 2021**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.2556	12.9191	14.6532	0.0228	0.6777	0.6777	0.6777	0.6235	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			0.0000			0.0000
<b>Total</b>	<b>1.2556</b>	<b>12.9191</b>	<b>14.6532</b>	<b>0.0228</b>	<b>0.6777</b>	<b>0.6777</b>	<b>0.6777</b>	<b>0.6235</b>	<b>0.6235</b>	<b>0.6235</b>	<b>0.0000</b>	<b>2,207.2109</b>	<b>2,207.2109</b>	<b>0.7139</b>		<b>2,225.0573</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.2400e-003		188.3039
<b>Total</b>	<b>0.0720</b>	<b>0.0501</b>	<b>0.5862</b>	<b>1.8900e-003</b>	<b>0.1916</b>	<b>1.2700e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.1700e-003</b>	<b>0.0520</b>			<b>188.1729</b>	<b>5.2400e-003</b>		<b>188.3039</b>

Pala Pauma 30, UM - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.5769	2.3708	2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1060</b>	<b>0.0819</b>	<b>0.9058</b>	<b>2.5000e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>248.7811</b>	<b>248.7811</b>	<b>8.2800e-003</b>		<b>248.9882</b>

Pala Pauma 30, UM - San Diego County, Summer

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	8.2800e-003		248.9882
<b>Total</b>	<b>0.1060</b>	<b>0.0819</b>	<b>0.9058</b>	<b>2.5000e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>			<b>248.7811</b>	<b>8.2800e-003</b>		<b>248.9882</b>

**4.0 Operational Detail - Mobile**

Pala Pauma 30, UM - San Diego County, Summer

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	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	0.3730		8,510.120
Unmitigated	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	0.3730		8,510.120

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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-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

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.1338	1.1436	0.4866	7.3000e-003	0.0925	0.0925	0.0925	0.0925	0.0925	0.0925		1,459.926	1,459.926	0.0280	0.0268	1,468.601
NaturalGas Unmitigated	0.1338	1.1436	0.4866	7.3000e-003	0.0925	0.0925	0.0925	0.0925	0.0925	0.0925		1,459.926	1,459.926	0.0280	0.0268	1,468.601

Pala Pauma 30, UM - San Diego County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

Land Use	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	
	kBTU/yr																	lb/day
Single Family Housing	12409.4	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.926	1,459.926	0.0280	0.0268	1,468.601	7
<b>Total</b>		<b>0.1338</b>	<b>1.1436</b>	<b>0.4866</b>	<b>7.3000e-003</b>		<b>0.0925</b>	<b>0.0925</b>		<b>0.0925</b>	<b>0.0925</b>		<b>1,459.926</b>	<b>1,459.926</b>	<b>0.0280</b>	<b>0.0268</b>	<b>1,468.601</b>	<b>7</b>

**Mitigated**

Land Use	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	
	kBTU/yr																	lb/day
Single Family Housing	12,409.4	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.926	1,459.926	0.0280	0.0268	1,468.601	7
<b>Total</b>		<b>0.1338</b>	<b>1.1436</b>	<b>0.4866</b>	<b>7.3000e-003</b>		<b>0.0925</b>	<b>0.0925</b>		<b>0.0925</b>	<b>0.0925</b>		<b>1,459.926</b>	<b>1,459.926</b>	<b>0.0280</b>	<b>0.0268</b>	<b>1,468.601</b>	<b>7</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Pala Pauma 30, UM - San Diego County, Summer

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	192.0838	3.7619	240.4919	0.4181		32.3700	32.3700		32.3700	32.3700	3,388.1512	1,439.0646	4,827.2157	3.1440	0.2665	4,985.2326
Unmitigated	192.0838	3.7619	240.4919	0.4181		32.3700	32.3700		32.3700	32.3700	3,388.1512	1,439.0646	4,827.2157	3.1440	0.2665	4,985.2326

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	3,388.1512	1,420.9412	4,809.0923	3.1267	0.2665	4,966.6780
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
<b>Total</b>	<b>192.0838</b>	<b>3.7619</b>	<b>240.4919</b>	<b>0.4181</b>		<b>32.3701</b>	<b>32.3701</b>		<b>32.3701</b>	<b>32.3701</b>	<b>3,388.1512</b>	<b>1,439.0646</b>	<b>4,827.2157</b>	<b>3.1440</b>	<b>0.2665</b>	<b>4,985.2326</b>

Pala Pauma 30, UM - San Diego County, Summer

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.3765					0.0000	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			0.0000
Hearth	186.7082	3.6462	230.4710	0.4176		32.3142	32.3142	32.3142	32.3142	32.3142	3,388.1512	1,420.9412	4,809.0923	3.1267	0.2665	4,966.6780
Landscaping	0.2997	0.1157	10.0209	5.3000e-004		0.0558	0.0558	0.0558	0.0558	0.0558	18.1234	18.1234	18.1234	0.0173		18.5546
<b>Total</b>	<b>192.0838</b>	<b>3.7619</b>	<b>240.4919</b>	<b>0.4181</b>		<b>32.3701</b>	<b>32.3701</b>	<b>32.3701</b>	<b>32.3701</b>	<b>32.3701</b>	<b>3,388.1512</b>	<b>1,439.0646</b>	<b>4,827.2157</b>	<b>3.1440</b>	<b>0.2665</b>	<b>4,985.2326</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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

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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	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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tbIVehicleTrips	SU_TR	8.62	9.05
tbIVehicleTrips	WD_TR	9.52	10.00
tbIWoodstoves	NumberCatalytic	6.10	0.00
tbIWoodstoves	NumberNoncatalytic	6.10	0.00

**2.0 Emissions Summary**

**2.1 Overall Construction (Maximum Daily Emission)**

Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>9</sub>	6,520.851 <sub>9</sub>	1.9532	0.0000	6,569.681 <sub>4</sub>
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 <sub>4</sub>	3,536.902 <sub>4</sub>	0.6780	0.0000	3,553.851 <sub>9</sub>
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 <sub>9</sub>	3,477.466 <sub>9</sub>	0.6663	0.0000	3,494.124 <sub>4</sub>
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 <sub>6</sub>	3,455.338 <sub>6</sub>	0.7191	0.0000	3,471.766 <sub>0</sub>
<b>Maximum</b>	<b>25.2456</b>	<b>59.6127</b>	<b>36.0959</b>	<b>0.0648</b>	<b>18.2962</b>	<b>2.6355</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.4247</b>	<b>12.3639</b>	<b>0.0000</b>	<b>6,520.851<sub>9</sub></b>	<b>6,520.851<sub>9</sub></b>	<b>1.9532</b>	<b>0.0000</b>	<b>6,569.681<sub>4</sub></b>





Pala Pauma 30, M - San Diego County, Summer

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	5.6125	2.1394	10.8821	0.0135	0.2194	0.2194	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	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
<b>Total</b>	<b>6.9452</b>	<b>9.4253</b>	<b>27.8048</b>	<b>0.1033</b>	<b>9.9713</b>	<b>0.3406</b>	<b>10.3118</b>	<b>2.6650</b>	<b>0.3386</b>	<b>3.0036</b>	<b>0.0000</b>	<b>12,562.3753</b>	<b>12,562.3753</b>	<b>0.4677</b>	<b>0.0741</b>	<b>12,596.1593</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	5.6125	2.1394	10.8821	0.0135	0.2194	0.2194	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	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
<b>Total</b>	<b>6.9452</b>	<b>9.4253</b>	<b>27.8048</b>	<b>0.1033</b>	<b>9.9713</b>	<b>0.3406</b>	<b>10.3118</b>	<b>2.6650</b>	<b>0.3386</b>	<b>3.0036</b>	<b>0.0000</b>	<b>12,562.3753</b>	<b>12,562.3753</b>	<b>0.4677</b>	<b>0.0741</b>	<b>12,596.1593</b>

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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
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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	24.9835				0.0000	0.0000	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	0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>25.2024</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0432</b>	<b>0.0301</b>	<b>0.3517</b>	<b>1.1300e-003</b>	<b>0.1150</b>	<b>7.6000e-004</b>	<b>0.1157</b>	<b>0.0305</b>	<b>7.0000e-004</b>	<b>0.0312</b>		<b>112.9038</b>	<b>112.9038</b>	<b>3.1400e-003</b>		<b>112.9823</b>

Pala Pauma 30, M - San Diego County, Summer

**3.2 Architectural Coating - 2021**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	24.9835				0.0000	0.0000	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	0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>25.2024</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	3.1400e-003		112.9823
<b>Total</b>	<b>0.0432</b>	<b>0.0301</b>	<b>0.3517</b>	<b>1.1300e-003</b>	<b>0.1150</b>	<b>7.6000e-004</b>	<b>0.1157</b>	<b>0.0305</b>	<b>7.0000e-004</b>	<b>0.0312</b>			<b>112.9038</b>	<b>3.1400e-003</b>		<b>112.9823</b>

Pala Pauma 30, M - San Diego County, Summer

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.6795	23.3900	17.5804	0.0269	1.4999	1.4999	1.4999	1.4099	1.4099	1.4099		2.620.935 1	2.620.935 1	0.6421		2.636.988 3
<b>Total</b>	<b>2.6795</b>	<b>23.3900</b>	<b>17.5804</b>	<b>0.0269</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4999</b>	<b>1.4099</b>	<b>1.4099</b>	<b>1.4099</b>		<b>2.620.935</b> <b>1</b>	<b>2.620.935</b> <b>1</b>	<b>0.6421</b>		<b>2.636.988</b> <b>3</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.3219</b>	<b>1.8307</b>	<b>2.6455</b>	<b>9.4600e-003</b>	<b>0.6416</b>	<b>0.0161</b>	<b>0.6577</b>	<b>0.1720</b>	<b>0.0153</b>	<b>0.1872</b>		<b>966.2181</b>	<b>966.2181</b>	<b>0.0496</b>		<b>967.4569</b>

Pala Pauma 30, M - San Diego County, Summer

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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
<b>Total</b>	<b>0.3219</b>	<b>1.8307</b>	<b>2.6455</b>	<b>9.4600e-003</b>	<b>0.6416</b>	<b>0.0161</b>	<b>0.6577</b>	<b>0.1720</b>	<b>0.0153</b>	<b>0.1872</b>		<b>966.2181</b>	<b>966.2181</b>	<b>0.0496</b>		<b>967.4569</b>



Pala Pauma 30, M - San Diego County, Summer

**3.3 Building Construction - 2019**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899	1.2127	1.2127	1.2127		2.591.580 <sub>2</sub>	2.591.580 <sub>2</sub>	0.6313		2.607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>		<b>2.591.580<sub>2</sub></b>	<b>2.591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2.607.363<sub>5</sub></b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.2953</b>	<b>1.7163</b>	<b>2.3972</b>	<b>9.2400e-003</b>	<b>0.6416</b>	<b>0.0141</b>	<b>0.6557</b>	<b>0.1720</b>	<b>0.0133</b>	<b>0.1853</b>		<b>945.3223</b>	<b>945.3223</b>	<b>0.0467</b>		<b>946.4884</b>

Pala Pauma 30, M - San Diego County, Summer

**3.3 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.2953</b>	<b>1.7163</b>	<b>2.3972</b>	<b>9.2400e-003</b>	<b>0.6416</b>	<b>0.0141</b>	<b>0.6557</b>	<b>0.1720</b>	<b>0.0133</b>	<b>0.1853</b>		<b>945.3223</b>	<b>945.3223</b>	<b>0.0467</b>		<b>946.4884</b>

Pala Pauma 30, M - San Diego County, Summer

**3.3 Building Construction - 2020**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.1198	19.1860	16.8485	0.0269	1.1171	1.1171	1.1171	1.0503	1.0503	1.0503		2.553.063 1	2.553.063 1	0.6229		2.568.634 5
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>	<b>1.1171</b>	<b>1.1171</b>	<b>1.1171</b>	<b>1.0503</b>	<b>1.0503</b>	<b>1.0503</b>		<b>2.553.063 1</b>	<b>2.553.063 1</b>	<b>0.6229</b>		<b>2.568.634 5</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.2695</b>	<b>1.5643</b>	<b>2.1902</b>	<b>9.0200e-003</b>	<b>0.6416</b>	<b>0.0103</b>	<b>0.6519</b>	<b>0.1720</b>	<b>9.7300e-003</b>	<b>0.1817</b>		<b>924.4038</b>	<b>924.4038</b>	<b>0.0435</b>		<b>925.4899</b>

Pala Pauma 30, M - San Diego County, Summer

**3.3 Building Construction - 2020**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.2695</b>	<b>1.5643</b>	<b>2.1902</b>	<b>9.0200e-003</b>	<b>0.6416</b>	<b>0.0103</b>	<b>0.6519</b>	<b>0.1720</b>	<b>9.7300e-003</b>	<b>0.1817</b>		<b>924.4038</b>	<b>924.4038</b>	<b>0.0435</b>		<b>925.4899</b>

Pala Pauma 30, M - San Diego County, Summer

**3.3 Building Construction - 2021**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.2485</b>	<b>1.4185</b>	<b>2.0406</b>	<b>8.7900e-003</b>	<b>0.6416</b>	<b>6.2800e-003</b>	<b>0.6479</b>	<b>0.1720</b>	<b>5.8700e-003</b>	<b>0.1778</b>		<b>901.9747</b>	<b>901.9747</b>	<b>0.0411</b>		<b>903.0017</b>

Pala Pauma 30, M - San Diego County, Summer

**3.3 Building Construction - 2021**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.2485</b>	<b>1.4185</b>	<b>2.0406</b>	<b>8.7900e-003</b>	<b>0.6416</b>	<b>6.2800e-003</b>	<b>0.6479</b>	<b>0.1720</b>	<b>5.8700e-003</b>	<b>0.1778</b>		<b>901.9747</b>	<b>901.9747</b>	<b>0.0411</b>		<b>903.0017</b>

Pala Pauma 30, M - San Diego County, Summer

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230	6,244.4284	6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	9.2000e-003		276.6536
<b>Total</b>	<b>0.1178</b>	<b>0.0910</b>	<b>1.0065</b>	<b>2.7800e-003</b>	<b>0.2555</b>	<b>1.7700e-003</b>	<b>0.2572</b>	<b>0.0678</b>	<b>1.6300e-003</b>	<b>0.0694</b>		<b>276.4235</b>	<b>276.4235</b>	<b>9.2000e-003</b>		<b>276.6536</b>

Pala Pauma 30, M - San Diego County, Summer

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	9.2000e-003		276.6536
<b>Total</b>	<b>0.1178</b>	<b>0.0910</b>	<b>1.0065</b>	<b>2.7800e-003</b>	<b>0.2555</b>	<b>1.7700e-003</b>	<b>0.2572</b>	<b>0.0678</b>	<b>1.6300e-003</b>	<b>0.0694</b>		<b>276.4235</b>	<b>276.4235</b>	<b>9.2000e-003</b>		<b>276.6536</b>



Pala Pauma 30, M - San Diego County, Summer

**3.5 Paving - 2021**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	1.2556	12.9191	14.6532	0.0228	0.6777	0.6777	0.6777	0.6235	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			0.0000			0.0000
<b>Total</b>	<b>1.2556</b>	<b>12.9191</b>	<b>14.6532</b>	<b>0.0228</b>	<b>0.6777</b>	<b>0.6777</b>	<b>0.6777</b>	<b>0.6235</b>	<b>0.6235</b>	<b>0.6235</b>		<b>2,207.2109</b>	<b>2,207.2109</b>	<b>0.7139</b>		<b>2,225.0573</b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0720</b>	<b>0.0501</b>	<b>0.5862</b>	<b>1.8900e-003</b>	<b>0.1916</b>	<b>1.2700e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.1700e-003</b>	<b>0.0520</b>		<b>188.1729</b>	<b>188.1729</b>	<b>5.2400e-003</b>		<b>188.3039</b>

Pala Pauma 30, M - San Diego County, Summer

**3.5 Paving - 2021**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.2556	12.9191	14.6532	0.0228	0.6777	0.6777	0.6777	0.6235	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			0.0000			0.0000
<b>Total</b>	<b>1.2556</b>	<b>12.9191</b>	<b>14.6532</b>	<b>0.0228</b>	<b>0.6777</b>	<b>0.6777</b>	<b>0.6777</b>	<b>0.6235</b>	<b>0.6235</b>	<b>0.6235</b>	<b>0.0000</b>	<b>2,207.2109</b>	<b>2,207.2109</b>	<b>0.7139</b>		<b>2,225.0573</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0720</b>	<b>0.0501</b>	<b>0.5862</b>	<b>1.8900e-003</b>	<b>0.1916</b>	<b>1.2700e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.1700e-003</b>	<b>0.0520</b>		<b>188.1729</b>	<b>188.1729</b>	<b>5.2400e-003</b>		<b>188.3039</b>

Pala Pauma 30, M - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.5769	2.3708	2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1060</b>	<b>0.0819</b>	<b>0.9058</b>	<b>2.5000e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>248.7811</b>	<b>248.7811</b>	<b>8.2800e-003</b>		<b>248.9882</b>

Pala Pauma 30, M - San Diego County, Summer

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	8.2800e-003		248.9882
<b>Total</b>	<b>0.1060</b>	<b>0.0819</b>	<b>0.9058</b>	<b>2.5000e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>			<b>248.7811</b>	<b>8.2800e-003</b>		<b>248.9882</b>

**4.0 Operational Detail - Mobile**

Pala Pauma 30, M - San Diego County, Summer

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	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	0.3730		8,510.120
Unmitigated	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	0.3730		8,510.120

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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	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

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.1338	1.1436	0.4866	7.3000e-003	0.0925	0.0925	0.0925	0.0925	0.0925	0.0925		1,459.926	1,459.926	0.0280	0.0268	1,468.601
NaturalGas Unmitigated	0.1338	1.1436	0.4866	7.3000e-003	0.0925	0.0925	0.0925	0.0925	0.0925	0.0925		1,459.926	1,459.926	0.0280	0.0268	1,468.601

Pala Pauma 30, M - San Diego County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

Land Use	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
lb/day																	
Single Family Housing	12409.4	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.926	1,459.926	0.0280	0.0268	1,468.601
<b>Total</b>		<b>0.1338</b>	<b>1.1436</b>	<b>0.4866</b>	<b>7.3000e-003</b>		<b>0.0925</b>	<b>0.0925</b>		<b>0.0925</b>	<b>0.0925</b>		<b>1,459.926</b>	<b>1,459.926</b>	<b>0.0280</b>	<b>0.0268</b>	<b>1,468.601</b>

**Mitigated**

Land Use	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
lb/day																	
Single Family Housing	12.4094	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.926	1,459.926	0.0280	0.0268	1,468.601
<b>Total</b>		<b>0.1338</b>	<b>1.1436</b>	<b>0.4866</b>	<b>7.3000e-003</b>		<b>0.0925</b>	<b>0.0925</b>		<b>0.0925</b>	<b>0.0925</b>		<b>1,459.926</b>	<b>1,459.926</b>	<b>0.0280</b>	<b>0.0268</b>	<b>1,468.601</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Pala Pauma 30, M - San Diego County, Summer

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	5.6125	2.1394	10.8821	0.0135	0.2194	0.2194	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	0.2194	0.2194	0.0000	2,601.6528	2,601.6528	0.0668	0.0474	2,617.4367

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.3765				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.2368	2.0238	0.8612	0.0129	0.1636	0.1636	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	0.0558	0.0558		18.1234	18.1234	0.0173		18.5546
<b>Total</b>	<b>5.6124</b>	<b>2.1394</b>	<b>10.8821</b>	<b>0.0135</b>	<b>0.2194</b>	<b>0.2194</b>	<b>0.2194</b>	<b>0.2194</b>	<b>0.2194</b>	<b>0.2194</b>	<b>0.0000</b>	<b>2,601.6528</b>	<b>2,601.6528</b>	<b>0.0668</b>	<b>0.0474</b>	<b>2,617.4367</b>



Pala Pauma 30, M - San Diego County, Summer

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.3765					0.0000	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			0.0000
Hearth	0.2368	2.0238	0.8612	0.0129		0.1636	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	0.0558		18.1234	18.1234	0.0173		18.5546
<b>Total</b>	<b>5.6124</b>	<b>2.1394</b>	<b>10.8821</b>	<b>0.0135</b>		<b>0.2194</b>	<b>0.2194</b>	<b>0.2194</b>	<b>0.2194</b>	<b>0.2194</b>	<b>0.0000</b>	<b>2.601.6528</b>	<b>2.601.6528</b>	<b>0.0668</b>	<b>0.0474</b>	<b>2.617.4367</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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**

Year	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>7</sub>	6,503.828 <sub>7</sub>	1.9527	0.0000	6,552.644 <sub>7</sub>
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 <sub>4</sub>	3,490.779 <sub>4</sub>	0.6788	0.0000	3,507.748 <sub>7</sub>
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 <sub>7</sub>	3,432.403 <sub>7</sub>	0.6670	0.0000	3,449.079 <sub>6</sub>
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 <sub>8</sub>	3,411.508 <sub>8</sub>	0.7188	0.0000	3,427.953 <sub>9</sub>
<b>Maximum</b>	<b>25.2526</b>	<b>59.6239</b>	<b>36.0248</b>	<b>0.0646</b>	<b>18.2962</b>	<b>2.6355</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.4247</b>	<b>12.3639</b>	<b>0.0000</b>	<b>6,503.828<sub>7</sub></b>	<b>6,503.828<sub>7</sub></b>	<b>1.9527</b>	<b>0.0000</b>	<b>6,552.644<sub>7</sub></b>



Pala Pauma 30, UM - San Diego County, Winter

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	192.0838	3.7619	240.4919	0.4181		32.3700	32.3700	32.3700	32.3700	32.3700	3,388.1512	1,439.0646	4,827.2157	3.1440	0.2665	4,985.2326
Energy	0.1338	1.1436	0.4866	7.3000e-003		0.0925	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
<b>Total</b>	<b>193.3922</b>	<b>11.1597</b>	<b>256.8430</b>	<b>0.5040</b>	<b>9.9713</b>	<b>32.4912</b>	<b>42.4625</b>	<b>2.6650</b>	<b>32.4892</b>	<b>35.1542</b>	<b>3,388.1512</b>	<b>11,001.1732</b>	<b>14,389.3244</b>	<b>3.5458</b>	<b>0.2933</b>	<b>14,565.3639</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	192.0838	3.7619	240.4919	0.4181		32.3700	32.3700	32.3700	32.3700	32.3700	3,388.1512	1,439.0646	4,827.2157	3.1440	0.2665	4,985.2326
Energy	0.1338	1.1436	0.4866	7.3000e-003		0.0925	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
<b>Total</b>	<b>193.3922</b>	<b>11.1597</b>	<b>256.8430</b>	<b>0.5040</b>	<b>9.9713</b>	<b>32.4912</b>	<b>42.4625</b>	<b>2.6650</b>	<b>32.4892</b>	<b>35.1542</b>	<b>3,388.1512</b>	<b>11,001.1732</b>	<b>14,389.3244</b>	<b>3.5458</b>	<b>0.2933</b>	<b>14,565.3639</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	24.9835				0.0000	0.0000	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	0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>25.2024</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0502</b>	<b>0.0338</b>	<b>0.3239</b>	<b>1.0600e-003</b>	<b>0.1150</b>	<b>7.6000e-004</b>	<b>0.1157</b>	<b>0.0305</b>	<b>7.0000e-004</b>	<b>0.0312</b>		<b>105.9416</b>	<b>105.9416</b>	<b>2.9400e-003</b>		<b>106.0151</b>

Pala Pauma 30, UM - San Diego County, Winter

**3.2 Architectural Coating - 2021**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	24.9835				0.0000	0.0000	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	0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>25.2024</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	105.9416	2.9400e-003		106.0151
<b>Total</b>	<b>0.0502</b>	<b>0.0338</b>	<b>0.3239</b>	<b>1.0600e-003</b>	<b>0.1150</b>	<b>7.6000e-004</b>	<b>0.1157</b>	<b>0.0305</b>	<b>7.0000e-004</b>	<b>0.0312</b>	<b>105.9416</b>	<b>105.9416</b>	<b>105.9416</b>	<b>2.9400e-003</b>		<b>106.0151</b>

Pala Pauma 30, UM - San Diego County, Winter

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	0.0191		571.1573
<b>Total</b>	<b>0.3650</b>	<b>1.8552</b>	<b>2.5376</b>	<b>8.9900e-003</b>	<b>0.6416</b>	<b>0.0163</b>	<b>0.6579</b>	<b>0.1720</b>	<b>0.0155</b>	<b>0.1874</b>			<b>919.0276</b>	<b>0.0504</b>		<b>920.2864</b>

Pala Pauma 30, UM - San Diego County, Winter

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.3650</b>	<b>1.8552</b>	<b>2.5376</b>	<b>8.9900e-003</b>	<b>0.6416</b>	<b>0.0163</b>	<b>0.6579</b>	<b>0.1720</b>	<b>0.0155</b>	<b>0.1874</b>		<b>919.0276</b>	<b>919.0276</b>	<b>0.0504</b>		<b>920.2864</b>

Pala Pauma 30, UM - San Diego County, Winter

**3.3 Building Construction - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127		2.591.580 <sub>2</sub>	2.591.580 <sub>2</sub>	0.6313		2.607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>		<b>2.591.580<sub>2</sub></b>	<b>2.591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2.607.363<sub>5</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.3355</b>	<b>1.7369</b>	<b>2.2937</b>	<b>8.7800e-003</b>	<b>0.6416</b>	<b>0.0143</b>	<b>0.6559</b>	<b>0.1720</b>	<b>0.0135</b>	<b>0.1855</b>		<b>899.1992</b>	<b>899.1992</b>	<b>0.0474</b>		<b>900.3852</b>

Pala Pauma 30, UM - San Diego County, Winter

**3.3 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.3355</b>	<b>1.7369</b>	<b>2.2937</b>	<b>8.7800e-003</b>	<b>0.6416</b>	<b>0.0143</b>	<b>0.6559</b>	<b>0.1720</b>	<b>0.0135</b>	<b>0.1855</b>		<b>899.1992</b>	<b>899.1992</b>	<b>0.0474</b>		<b>900.3852</b>

Pala Pauma 30, UM - San Diego County, Winter

**3.3 Building Construction - 2020**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171	1.0503	1.0503	1.0503		2.553.0631	2.553.0631	0.6229		2.568.6345
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>	<b>1.0503</b>	<b>1.0503</b>	<b>1.0503</b>		<b>2.553.0631</b>	<b>2.553.0631</b>	<b>0.6229</b>		<b>2.568.6345</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.3075</b>	<b>1.5806</b>	<b>2.0910</b>	<b>8.5800e-003</b>	<b>0.6416</b>	<b>0.0105</b>	<b>0.6521</b>	<b>0.1720</b>	<b>9.8600e-003</b>	<b>0.1818</b>		<b>879.3407</b>	<b>879.3407</b>	<b>0.0442</b>		<b>880.4451</b>



Pala Pauma 30, UM - San Diego County, Winter

**3.3 Building Construction - 2020**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171	1.0503	1.0503	1.0503	0.0000	2.553.0631	2.553.0631	0.6229		2.568.6345
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>	<b>1.0503</b>	<b>1.0503</b>	<b>1.0503</b>	<b>0.0000</b>	<b>2.553.0631</b>	<b>2.553.0631</b>	<b>0.6229</b>		<b>2.568.6345</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.3075</b>	<b>1.5806</b>	<b>2.0910</b>	<b>8.5800e-003</b>	<b>0.6416</b>	<b>0.0105</b>	<b>0.6521</b>	<b>0.1720</b>	<b>9.8600e-003</b>	<b>0.1818</b>		<b>879.3407</b>	<b>879.3407</b>	<b>0.0442</b>		<b>880.4451</b>

Pala Pauma 30, UM - San Diego County, Winter

**3.3 Building Construction - 2021**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.2847</b>	<b>1.4311</b>	<b>1.9434</b>	<b>8.3600e-003</b>	<b>0.6416</b>	<b>6.3900e-003</b>	<b>0.6480</b>	<b>0.1720</b>	<b>5.9800e-003</b>	<b>0.1779</b>		<b>858.1449</b>	<b>858.1449</b>	<b>0.0418</b>		<b>859.1896</b>

Pala Pauma 30, UM - San Diego County, Winter

**3.3 Building Construction - 2021**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.2847</b>	<b>1.4311</b>	<b>1.9434</b>	<b>8.3600e-003</b>	<b>0.6416</b>	<b>6.3900e-003</b>	<b>0.6480</b>	<b>0.1720</b>	<b>5.9800e-003</b>	<b>0.1779</b>		<b>858.1449</b>	<b>858.1449</b>	<b>0.0418</b>		<b>859.1896</b>

Pala Pauma 30, UM - San Diego County, Winter

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>4</sub>	6,244.428 <sub>4</sub>	1.9440		6,293.027 <sub>8</sub>
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.428<sub>4</sub></b>	<b>6,244.428<sub>4</sub></b>	<b>1.9440</b>		<b>6,293.027<sub>8</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1361</b>	<b>0.1021</b>	<b>0.9354</b>	<b>2.6000e-003</b>	<b>0.2555</b>	<b>1.7700e-003</b>	<b>0.2572</b>	<b>0.0678</b>	<b>1.6300e-003</b>	<b>0.0694</b>		<b>259.4003</b>	<b>259.4003</b>	<b>8.6700e-003</b>		<b>259.6169</b>

Pala Pauma 30, UM - San Diego County, Winter

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	8.6700e-003		259.6169
<b>Total</b>	<b>0.1361</b>	<b>0.1021</b>	<b>0.9354</b>	<b>2.6000e-003</b>	<b>0.2555</b>	<b>1.7700e-003</b>	<b>0.2572</b>	<b>0.0678</b>	<b>1.6300e-003</b>	<b>0.0694</b>		<b>259.4003</b>	<b>259.4003</b>	<b>8.6700e-003</b>		<b>259.6169</b>

Pala Pauma 30, UM - San Diego County, Winter

**3.5 Paving - 2021**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.2556	12.9191	14.6532	0.0228	0.6777	0.6777	0.6777	0.6235	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			0.0000			0.0000
<b>Total</b>	<b>1.2556</b>	<b>12.9191</b>	<b>14.6532</b>	<b>0.0228</b>	<b>0.6777</b>	<b>0.6777</b>	<b>0.6777</b>	<b>0.6235</b>	<b>0.6235</b>	<b>0.6235</b>		<b>2,207.2109</b>	<b>2,207.2109</b>	<b>0.7139</b>		<b>2,225.0573</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0837</b>	<b>0.0563</b>	<b>0.5399</b>	<b>1.7700e-003</b>	<b>0.1916</b>	<b>1.2700e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.1700e-003</b>	<b>0.0520</b>		<b>176.5693</b>	<b>176.5693</b>	<b>4.9000e-003</b>		<b>176.6919</b>

Pala Pauma 30, UM - San Diego County, Winter

**3.5 Paving - 2021**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.2556	12.9191	14.6532	0.0228	0.6777	0.6777	0.6777	0.6235	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			0.0000			0.0000
<b>Total</b>	<b>1.2556</b>	<b>12.9191</b>	<b>14.6532</b>	<b>0.0228</b>	<b>0.6777</b>	<b>0.6777</b>	<b>0.6777</b>	<b>0.6235</b>	<b>0.6235</b>	<b>0.6235</b>	<b>0.0000</b>	<b>2,207.2109</b>	<b>2,207.2109</b>	<b>0.7139</b>		<b>2,225.0573</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0837</b>	<b>0.0563</b>	<b>0.5399</b>	<b>1.7700e-003</b>	<b>0.1916</b>	<b>1.2700e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.1700e-003</b>	<b>0.0520</b>		<b>176.5693</b>	<b>176.5693</b>	<b>4.9000e-003</b>		<b>176.6919</b>

Pala Pauma 30, UM - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.5769	2.3708	2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1225</b>	<b>0.0919</b>	<b>0.8418</b>	<b>2.3400e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>233.4603</b>	<b>233.4603</b>	<b>7.8000e-003</b>		<b>233.6553</b>



Pala Pauma 30, UM - San Diego County, Winter

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	7.8000e-003		233.6553
<b>Total</b>	<b>0.1225</b>	<b>0.0919</b>	<b>0.8418</b>	<b>2.3400e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>			<b>233.4603</b>	<b>7.8000e-003</b>		<b>233.6553</b>

**4.0 Operational Detail - Mobile**

Pala Pauma 30, UM - San Diego County, Winter

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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-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

Category	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.1338	1.1436	0.4866	7.3000e-003	0.0925	0.0925	0.0925	0.0925	0.0925	0.0925	1,459.926	1,459.926	1,459.926	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	0.0925	0.0925	1,459.926	1,459.926	1,459.926	0.0280	0.0268	1,468.6017

Pala Pauma 30, UM - San Diego County, Winter

**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

Land Use	Natural Gas Use kBtu/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
lb/day																	
Single Family Housing	12409.4	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.926	1,459.926	0.0280	0.0268	1,468.601
<b>Total</b>		<b>0.1338</b>	<b>1.1436</b>	<b>0.4866</b>	<b>7.3000e-003</b>		<b>0.0925</b>	<b>0.0925</b>		<b>0.0925</b>	<b>0.0925</b>		<b>1,459.926</b>	<b>1,459.926</b>	<b>0.0280</b>	<b>0.0268</b>	<b>1,468.601</b>

**Mitigated**

Land Use	Natural Gas Use kBtu/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
lb/day																	
Single Family Housing	12,409.4	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.926	1,459.926	0.0280	0.0268	1,468.601
<b>Total</b>		<b>0.1338</b>	<b>1.1436</b>	<b>0.4866</b>	<b>7.3000e-003</b>		<b>0.0925</b>	<b>0.0925</b>		<b>0.0925</b>	<b>0.0925</b>		<b>1,459.926</b>	<b>1,459.926</b>	<b>0.0280</b>	<b>0.0268</b>	<b>1,468.601</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Pala Pauma 30, UM - San Diego County, Winter

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	192.0838	3.7619	240.4919	0.4181	32.3700	32.3700	32.3700	32.3700	32.3700	32.3700	3,388.1512	1,439.0646	4,827.2157	3.1440	0.2665	4,985.2326
Unmitigated	192.0838	3.7619	240.4919	0.4181	32.3700	32.3700	32.3700	32.3700	32.3700	32.3700	3,388.1512	1,439.0646	4,827.2157	3.1440	0.2665	4,985.2326

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.3765				0.0000	0.0000	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			0.0000			0.0000
Hearth	186.7082	3.6462	230.4710	0.4176	32.3142	32.3142	32.3142	32.3142	32.3142	32.3142	3,388.1512	1,420.9412	4,809.0923	3.1267	0.2665	4,966.6780
Landscaping	0.2997	0.1157	10.0209	5.3000e-004	0.0558	0.0558	0.0558	0.0558	0.0558	0.0558		18.1234	18.1234	0.0173		18.5546
<b>Total</b>	<b>192.0838</b>	<b>3.7619</b>	<b>240.4919</b>	<b>0.4181</b>	<b>32.3701</b>	<b>32.3701</b>	<b>32.3701</b>	<b>32.3701</b>	<b>32.3701</b>	<b>32.3701</b>	<b>3,388.1512</b>	<b>1,439.0646</b>	<b>4,827.2157</b>	<b>3.1440</b>	<b>0.2665</b>	<b>4,985.2326</b>

Pala Pauma 30, UM - San Diego County, Winter

**6.2 Area by SubCategory**

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.3765					0.0000	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			0.0000
Hearth	186.7082	3.6462	230.4710	0.4176		32.3142	32.3142	32.3142	32.3142	32.3142	3,388.1512	1,420.9412	4,809.0923	3.1267	0.2665	4,966.6780
Landscaping	0.2997	0.1157	10.0209	5.3000e-004		0.0558	0.0558	0.0558	0.0558	0.0558		18.1234	18.1234	0.0173		18.5546
<b>Total</b>	<b>192.0838</b>	<b>3.7619</b>	<b>240.4919</b>	<b>0.4181</b>		<b>32.3701</b>	<b>32.3701</b>	<b>32.3701</b>	<b>32.3701</b>	<b>32.3701</b>	<b>3,388.1512</b>	<b>1,439.0646</b>	<b>4,827.2157</b>	<b>3.1440</b>	<b>0.2665</b>	<b>4,985.2326</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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

Pala Pauma 30, M - San Diego County, Winter

tbIVehicleTrips	SU_TR	8.62	9.05
tbIVehicleTrips	WD_TR	9.52	10.00
tbIWoodstoves	NumberCatalytic	6.10	0.00
tbIWoodstoves	NumberNoncatalytic	6.10	0.00

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>7</sub>	6,503.828 <sub>7</sub>	1.9527	0.0000	6,552.644 <sub>7</sub>
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 <sub>4</sub>	3,490.779 <sub>4</sub>	0.6788	0.0000	3,507.748 <sub>7</sub>
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 <sub>7</sub>	3,432.403 <sub>7</sub>	0.6670	0.0000	3,449.079 <sub>6</sub>
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 <sub>8</sub>	3,411.508 <sub>8</sub>	0.7188	0.0000	3,427.953 <sub>9</sub>
<b>Maximum</b>	<b>25.2526</b>	<b>59.6239</b>	<b>36.0248</b>	<b>0.0646</b>	<b>18.2962</b>	<b>2.6355</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.4247</b>	<b>12.3639</b>	<b>0.0000</b>	<b>6,503.828<sub>7</sub></b>	<b>6,503.828<sub>7</sub></b>	<b>1.9527</b>	<b>0.0000</b>	<b>6,552.644<sub>7</sub></b>



Pala Pauma 30, M - San Diego County, Winter

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	5.6125	2.1394	10.8821	0.0135	0.2194	0.2194	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	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
<b>Total</b>	<b>6.9208</b>	<b>9.5373</b>	<b>27.2332</b>	<b>0.0994</b>	<b>9.9713</b>	<b>0.3406</b>	<b>10.3119</b>	<b>2.6650</b>	<b>0.3386</b>	<b>3.0036</b>	<b>0.0000</b>	<b>12,163.7614</b>	<b>12,163.7614</b>	<b>0.4686</b>	<b>0.0741</b>	<b>12,197.5679</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	5.6125	2.1394	10.8821	0.0135	0.2194	0.2194	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	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
<b>Total</b>	<b>6.9208</b>	<b>9.5373</b>	<b>27.2332</b>	<b>0.0994</b>	<b>9.9713</b>	<b>0.3406</b>	<b>10.3119</b>	<b>2.6650</b>	<b>0.3386</b>	<b>3.0036</b>	<b>0.0000</b>	<b>12,163.7614</b>	<b>12,163.7614</b>	<b>0.4686</b>	<b>0.0741</b>	<b>12,197.5679</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	24.9835				0.0000	0.0000	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	0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>25.2024</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0502</b>	<b>0.0338</b>	<b>0.3239</b>	<b>1.0600e-003</b>	<b>0.1150</b>	<b>7.6000e-004</b>	<b>0.1157</b>	<b>0.0305</b>	<b>7.0000e-004</b>	<b>0.0312</b>		<b>105.9416</b>	<b>105.9416</b>	<b>2.9400e-003</b>		<b>106.0151</b>

Pala Pauma 30, M - San Diego County, Winter

**3.2 Architectural Coating - 2021**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	24.9835				0.0000	0.0000	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	0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>25.2024</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0941</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0502</b>	<b>0.0338</b>	<b>0.3239</b>	<b>1.0600e-003</b>	<b>0.1150</b>	<b>7.6000e-004</b>	<b>0.1157</b>	<b>0.0305</b>	<b>7.0000e-004</b>	<b>0.0312</b>		<b>105.9416</b>	<b>105.9416</b>	<b>2.9400e-003</b>		<b>106.0151</b>



Pala Pauma 30, M - San Diego County, Winter

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

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	0.0191		571.1573
<b>Total</b>	<b>0.3650</b>	<b>1.8552</b>	<b>2.5376</b>	<b>8.9900e-003</b>	<b>0.6416</b>	<b>0.0163</b>	<b>0.6579</b>	<b>0.1720</b>	<b>0.0155</b>	<b>0.1874</b>			<b>919.0276</b>	<b>0.0504</b>		<b>920.2864</b>

Pala Pauma 30, M - San Diego County, Winter

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.3650</b>	<b>1.8552</b>	<b>2.5376</b>	<b>8.9900e-003</b>	<b>0.6416</b>	<b>0.0163</b>	<b>0.6579</b>	<b>0.1720</b>	<b>0.0155</b>	<b>0.1874</b>		<b>919.0276</b>	<b>919.0276</b>	<b>0.0504</b>		<b>920.2864</b>

Pala Pauma 30, M - San Diego County, Winter

**3.3 Building Construction - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127		2.591.580 <sub>2</sub>	2.591.580 <sub>2</sub>	0.6313		2.607.363 <sub>5</sub>
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>		<b>2.591.580<sub>2</sub></b>	<b>2.591.580<sub>2</sub></b>	<b>0.6313</b>		<b>2.607.363<sub>5</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.3355</b>	<b>1.7369</b>	<b>2.2937</b>	<b>8.7800e-003</b>	<b>0.6416</b>	<b>0.0143</b>	<b>0.6559</b>	<b>0.1720</b>	<b>0.0135</b>	<b>0.1855</b>		<b>899.1992</b>	<b>899.1992</b>	<b>0.0474</b>		<b>900.3852</b>

Pala Pauma 30, M - San Diego County, Winter

**3.3 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.3355</b>	<b>1.7369</b>	<b>2.2937</b>	<b>8.7800e-003</b>	<b>0.6416</b>	<b>0.0143</b>	<b>0.6559</b>	<b>0.1720</b>	<b>0.0135</b>	<b>0.1855</b>		<b>899.1992</b>	<b>899.1992</b>	<b>0.0474</b>		<b>900.3852</b>

Pala Pauma 30, M - San Diego County, Winter

**3.3 Building Construction - 2020**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.1198	19.1860	16.8485	0.0269	1.1171	1.1171	1.1171	1.0503	1.0503	1.0503		2.553.063 1	2.553.063 1	0.6229		2.568.634 5
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>	<b>1.1171</b>	<b>1.1171</b>	<b>1.1171</b>	<b>1.0503</b>	<b>1.0503</b>	<b>1.0503</b>		<b>2.553.063 1</b>	<b>2.553.063 1</b>	<b>0.6229</b>		<b>2.568.634 5</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.3075</b>	<b>1.5806</b>	<b>2.0910</b>	<b>8.5800e-003</b>	<b>0.6416</b>	<b>0.0105</b>	<b>0.6521</b>	<b>0.1720</b>	<b>9.8600e-003</b>	<b>0.1818</b>		<b>879.3407</b>	<b>879.3407</b>	<b>0.0442</b>		<b>880.4451</b>

Pala Pauma 30, M - San Diego County, Winter

**3.3 Building Construction - 2020**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.1198	19.1860	16.8485	0.0269	1.1171	1.1171	1.1171	1.0503	1.0503	1.0503	0.0000	2.553.0631	2.553.0631	0.6229		2.568.6345
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>	<b>1.1171</b>	<b>1.1171</b>	<b>1.1171</b>	<b>1.0503</b>	<b>1.0503</b>	<b>1.0503</b>	<b>0.0000</b>	<b>2.553.0631</b>	<b>2.553.0631</b>	<b>0.6229</b>		<b>2.568.6345</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.3075</b>	<b>1.5806</b>	<b>2.0910</b>	<b>8.5800e-003</b>	<b>0.6416</b>	<b>0.0105</b>	<b>0.6521</b>	<b>0.1720</b>	<b>9.8600e-003</b>	<b>0.1818</b>		<b>879.3407</b>	<b>879.3407</b>	<b>0.0442</b>		<b>880.4451</b>

Pala Pauma 30, M - San Diego County, Winter

**3.3 Building Construction - 2021**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586	0.9013	0.9013	0.9013		2.553.363 <sub>9</sub>	2.553.363 <sub>9</sub>	0.6160		2.568.764 <sub>3</sub>
<b>Total</b>	<b>1.9009</b>	<b>17.4321</b>	<b>16.5752</b>	<b>0.0269</b>		<b>0.9586</b>	<b>0.9586</b>	<b>0.9013</b>	<b>0.9013</b>	<b>0.9013</b>		<b>2.553.363<sub>9</sub></b>	<b>2.553.363<sub>9</sub></b>	<b>0.6160</b>		<b>2.568.764<sub>3</sub></b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.2847</b>	<b>1.4311</b>	<b>1.9434</b>	<b>8.3600e-003</b>	<b>0.6416</b>	<b>6.3900e-003</b>	<b>0.6480</b>	<b>0.1720</b>	<b>5.9800e-003</b>	<b>0.1779</b>		<b>858.1449</b>	<b>858.1449</b>	<b>0.0418</b>		<b>859.1896</b>

Pala Pauma 30, M - San Diego County, Winter

**3.3 Building Construction - 2021**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.2847</b>	<b>1.4311</b>	<b>1.9434</b>	<b>8.3600e-003</b>	<b>0.6416</b>	<b>6.3900e-003</b>	<b>0.6480</b>	<b>0.1720</b>	<b>5.9800e-003</b>	<b>0.1779</b>		<b>858.1449</b>	<b>858.1449</b>	<b>0.0418</b>		<b>859.1896</b>



Pala Pauma 30, M - San Diego County, Winter

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>4</sub>	6,244.428 <sub>4</sub>	1.9440		6,293.027 <sub>8</sub>
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.428<sub>4</sub></b>	<b>6,244.428<sub>4</sub></b>	<b>1.9440</b>		<b>6,293.027<sub>8</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1361</b>	<b>0.1021</b>	<b>0.9354</b>	<b>2.6000e-003</b>	<b>0.2555</b>	<b>1.7700e-003</b>	<b>0.2572</b>	<b>0.0678</b>	<b>1.6300e-003</b>	<b>0.0694</b>		<b>259.4003</b>	<b>259.4003</b>	<b>8.6700e-003</b>		<b>259.6169</b>

Pala Pauma 30, M - San Diego County, Winter

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	8.6700e-003		259.6169
<b>Total</b>	<b>0.1361</b>	<b>0.1021</b>	<b>0.9354</b>	<b>2.6000e-003</b>	<b>0.2555</b>	<b>1.7700e-003</b>	<b>0.2572</b>	<b>0.0678</b>	<b>1.6300e-003</b>	<b>0.0694</b>			<b>259.4003</b>	<b>8.6700e-003</b>		<b>259.6169</b>

Pala Pauma 30, M - San Diego County, Winter

**3.5 Paving - 2021**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.2556	12.9191	14.6532	0.0228	0.6777	0.6777	0.6777	0.6235	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			0.0000			0.0000
<b>Total</b>	<b>1.2556</b>	<b>12.9191</b>	<b>14.6532</b>	<b>0.0228</b>	<b>0.6777</b>	<b>0.6777</b>	<b>0.6777</b>	<b>0.6235</b>	<b>0.6235</b>	<b>0.6235</b>		<b>2,207.2109</b>	<b>2,207.2109</b>	<b>0.7139</b>		<b>2,225.0573</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0837</b>	<b>0.0563</b>	<b>0.5399</b>	<b>1.7700e-003</b>	<b>0.1916</b>	<b>1.2700e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.1700e-003</b>	<b>0.0520</b>		<b>176.5693</b>	<b>176.5693</b>	<b>4.9000e-003</b>		<b>176.6919</b>

Pala Pauma 30, M - San Diego County, Winter

**3.5 Paving - 2021**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.2556	12.9191	14.6532	0.0228	0.6777	0.6777	0.6777	0.6235	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			0.0000			0.0000
<b>Total</b>	<b>1.2556</b>	<b>12.9191</b>	<b>14.6532</b>	<b>0.0228</b>	<b>0.6777</b>	<b>0.6777</b>	<b>0.6777</b>	<b>0.6235</b>	<b>0.6235</b>	<b>0.6235</b>	<b>0.0000</b>	<b>2,207.2109</b>	<b>2,207.2109</b>	<b>0.7139</b>		<b>2,225.0573</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.9000e-003		176.6919
<b>Total</b>	<b>0.0837</b>	<b>0.0563</b>	<b>0.5399</b>	<b>1.7700e-003</b>	<b>0.1916</b>	<b>1.2700e-003</b>	<b>0.1929</b>	<b>0.0508</b>	<b>1.1700e-003</b>	<b>0.0520</b>			<b>176.5693</b>	<b>4.9000e-003</b>		<b>176.6919</b>

Pala Pauma 30, M - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.5769	2.3708	2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1225</b>	<b>0.0919</b>	<b>0.8418</b>	<b>2.3400e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>233.4603</b>	<b>233.4603</b>	<b>7.8000e-003</b>		<b>233.6553</b>

Pala Pauma 30, M - San Diego County, Winter

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	7.8000e-003		233.6553
<b>Total</b>	<b>0.1225</b>	<b>0.0919</b>	<b>0.8418</b>	<b>2.3400e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>			<b>233.4603</b>	<b>7.8000e-003</b>		<b>233.6553</b>

**4.0 Operational Detail - Mobile**

Pala Pauma 30, M - San Diego County, Winter

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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-O or C-NW	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

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.1338	1.1436	0.4866	7.3000e-003	0.0925	0.0925	0.0925	0.0925	0.0925	0.0925		1,459.926	1,459.926	0.0280	0.0268	1,468.601
NaturalGas Unmitigated	0.1338	1.1436	0.4866	7.3000e-003	0.0925	0.0925	0.0925	0.0925	0.0925	0.0925		1,459.926	1,459.926	0.0280	0.0268	1,468.601



Pala Pauma 30, M - San Diego County, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

Land Use	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
	kBTU/yr											lb/day					
Single Family Housing	12409.4	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.926	1,459.926	0.0280	0.0268	1,468.601
<b>Total</b>		<b>0.1338</b>	<b>1.1436</b>	<b>0.4866</b>	<b>7.3000e-003</b>		<b>0.0925</b>	<b>0.0925</b>		<b>0.0925</b>	<b>0.0925</b>		<b>1,459.926</b>	<b>1,459.926</b>	<b>0.0280</b>	<b>0.0268</b>	<b>1,468.601</b>

**Mitigated**

Land Use	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
	kBTU/yr											lb/day					
Single Family Housing	12,409.4	0.1338	1.1436	0.4866	7.3000e-003		0.0925	0.0925		0.0925	0.0925		1,459.926	1,459.926	0.0280	0.0268	1,468.601
<b>Total</b>		<b>0.1338</b>	<b>1.1436</b>	<b>0.4866</b>	<b>7.3000e-003</b>		<b>0.0925</b>	<b>0.0925</b>		<b>0.0925</b>	<b>0.0925</b>		<b>1,459.926</b>	<b>1,459.926</b>	<b>0.0280</b>	<b>0.0268</b>	<b>1,468.601</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Pala Pauma 30, M - San Diego County, Winter

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

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>5.6124</b>	<b>2.1394</b>	<b>10.8821</b>	<b>0.0135</b>		<b>0.2194</b>	<b>0.2194</b>		<b>0.2194</b>	<b>0.2194</b>	<b>0.0000</b>	<b>2,601.6528</b>	<b>2,601.6528</b>	<b>0.0668</b>	<b>0.0474</b>	<b>2,617.4367</b>

Pala Pauma 30, M - San Diego County, Winter

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.3765					0.0000	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			0.0000
Hearth	0.2368	2.0238	0.8612	0.0129		0.1636	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	0.0558		18.1234	18.1234	0.0173		18.5546
<b>Total</b>	<b>5.6124</b>	<b>2.1394</b>	<b>10.8821</b>	<b>0.0135</b>		<b>0.2194</b>	<b>0.2194</b>	<b>0.2194</b>	<b>0.2194</b>	<b>0.2194</b>	<b>0.0000</b>	<b>2.601.6528</b>	<b>2.601.6528</b>	<b>0.0668</b>	<b>0.0474</b>	<b>2.617.4367</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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 Diegoito 15, UM - San Diego County, Summer

Year	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>3</sub>	6,423.873 <sub>3</sub>	1.9501	0.0000	6,472.626 <sub>2</sub>
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 <sub>7</sub>	7,366.893 <sub>7</sub>	1.9482	0.0000	7,389.638 <sub>6</sub>
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 <sub>6</sub>	7,246.930 <sub>6</sub>	0.8844	0.0000	7,269.040 <sub>1</sub>
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 <sub>8</sub>	7,157.141 <sub>8</sub>	0.8649	0.0000	7,178.765 <sub>1</sub>
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 <sub>9</sub>	7,063.944 <sub>9</sub>	0.8504	0.0000	7,085.205 <sub>8</sub>
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 <sub>7</sub>	6,927.548 <sub>7</sub>	0.8262	0.0000	6,948.203 <sub>1</sub>
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 <sub>7</sub>	6,842.947 <sub>7</sub>	0.8171	0.0000	6,863.374 <sub>7</sub>
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 <sub>0</sub>	6,760.403 <sub>0</sub>	0.8088	0.0000	6,780.623 <sub>9</sub>
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 <sub>0</sub>	6,686.932 <sub>0</sub>	0.8046	0.0000	6,707.047 <sub>9</sub>
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 <sub>5</sub>	6,621.720 <sub>5</sub>	0.8010	0.0000	6,641.745 <sub>3</sub>
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 <sub>4</sub>	6,565.066 <sub>4</sub>	0.7978	0.0000	6,585.011 <sub>9</sub>
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 <sub>3</sub>	6,514.115 <sub>3</sub>	0.7952	0.0000	6,533.994 <sub>0</sub>
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 <sub>3</sub>	6,811.174 <sub>3</sub>	0.3080	0.0000	6,818.874 <sub>3</sub>
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 <sub>3</sub>	6,773.000 <sub>3</sub>	0.3058	0.0000	6,780.644 <sub>1</sub>
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 <sub>4</sub>	2,742.113 <sub>4</sub>	0.1262	0.0000	2,745.267 <sub>8</sub>
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
<b>Maximum</b>	<b>23.5974</b>	<b>59.5831</b>	<b>35.7740</b>	<b>0.0729</b>	<b>18.2141</b>	<b>2.6349</b>	<b>20.7921</b>	<b>9.9699</b>	<b>2.4241</b>	<b>12.3416</b>	<b>0.0000</b>	<b>7,366.893<sub>7</sub></b>	<b>7,366.893<sub>7</sub></b>	<b>1.9501</b>	<b>0.0000</b>	<b>7,389.638<sub>6</sub></b>

San Dieguito 15, UM - San Diego County, Summer

## **2.1 Overall Construction (Maximum Daily Emission)**

### **Mitigated Construction**

San Diegoito 15, UM - San Diego County, Summer

Year	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>3</sub>	6,423.873 <sub>3</sub>	1.9501	0.0000	6,472.626 <sub>2</sub>
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 <sub>7</sub>	7,366.893 <sub>7</sub>	1.9482	0.0000	7,389.638 <sub>6</sub>
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 <sub>6</sub>	7,246.930 <sub>6</sub>	0.8844	0.0000	7,269.040 <sub>1</sub>
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 <sub>8</sub>	7,157.141 <sub>8</sub>	0.8649	0.0000	7,178.765 <sub>1</sub>
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 <sub>9</sub>	7,063.944 <sub>9</sub>	0.8504	0.0000	7,085.205 <sub>8</sub>
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 <sub>7</sub>	6,927.548 <sub>7</sub>	0.8262	0.0000	6,948.203 <sub>1</sub>
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 <sub>7</sub>	6,842.947 <sub>7</sub>	0.8171	0.0000	6,863.374 <sub>7</sub>
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 <sub>0</sub>	6,760.403 <sub>0</sub>	0.8088	0.0000	6,780.623 <sub>9</sub>
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 <sub>0</sub>	6,686.932 <sub>0</sub>	0.8046	0.0000	6,707.047 <sub>9</sub>
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 <sub>5</sub>	6,621.720 <sub>5</sub>	0.8010	0.0000	6,641.745 <sub>3</sub>
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 <sub>4</sub>	6,565.066 <sub>4</sub>	0.7978	0.0000	6,585.011 <sub>9</sub>
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 <sub>3</sub>	6,514.115 <sub>3</sub>	0.7952	0.0000	6,533.994 <sub>0</sub>
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 <sub>3</sub>	6,811.174 <sub>3</sub>	0.3080	0.0000	6,818.874 <sub>3</sub>
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 <sub>3</sub>	6,773.000 <sub>3</sub>	0.3058	0.0000	6,780.644 <sub>1</sub>
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 <sub>3</sub>	2,742.113 <sub>3</sub>	0.1262	0.0000	2,745.267 <sub>8</sub>
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
<b>Maximum</b>	<b>23.5974</b>	<b>59.5831</b>	<b>35.7740</b>	<b>0.0729</b>	<b>18.2141</b>	<b>2.6349</b>	<b>20.7921</b>	<b>9.9699</b>	<b>2.4241</b>	<b>12.3416</b>	<b>0.0000</b>	<b>7,366.893<sub>7</sub></b>	<b>7,366.893<sub>7</sub></b>	<b>1.9501</b>	<b>0.0000</b>	<b>7,389.638<sub>6</sub></b>



San Diegoito 15, UM - San Diego County, Summer

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	482.4917	9.2817	593.3832	1.0315		79.8639	79.8639	79.8639	79.8639	79.8639	8,359,291.0	3,550,561.7	11,909,852.7	7.7570	0.6575	12,299.7194
Energy	0.4800	4.2252	2.6517	0.0262		0.3316	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
<b>Total</b>	<b>488.6323</b>	<b>44.1671</b>	<b>665.9919</b>	<b>1.3979</b>	<b>40.1382</b>	<b>80.3151</b>	<b>120.4533</b>	<b>10.7275</b>	<b>80.3069</b>	<b>91.0344</b>	<b>8,359,291.0</b>	<b>43,856.9058</b>	<b>52,216.1968</b>	<b>9.4403</b>	<b>0.7535</b>	<b>52,676.7505</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	482.4917	9.2817	593.3832	1.0315		79.8639	79.8639	79.8639	79.8639	79.8639	8,359,291.0	3,550,561.7	11,909,852.7	7.7570	0.6575	12,299.7194
Energy	0.4800	4.2252	2.6517	0.0262		0.3316	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
<b>Total</b>	<b>488.6323</b>	<b>44.1671</b>	<b>665.9919</b>	<b>1.3979</b>	<b>40.1382</b>	<b>80.3151</b>	<b>120.4533</b>	<b>10.7275</b>	<b>80.3069</b>	<b>91.0344</b>	<b>8,359,291.0</b>	<b>43,856.9058</b>	<b>52,216.1968</b>	<b>9.4403</b>	<b>0.7535</b>	<b>52,676.7505</b>

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 Diegoito 15, UM - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>



San Diegoito 15, UM - San Diego County, Summer

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.5300e-003		161.6386
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>			<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

San Diegoito 15, UM - San Diego County, Summer

**3.3 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

San Diegoito 15, UM - San Diego County, Summer

**3.3 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6.1400e-003		179.5984
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

San Diegoito 15, UM - San Diego County, Summer

**3.3 Grading - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.3827	2.1920	2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
<b>Total</b>	<b>4.7389</b>	<b>54.5202</b>	<b>33.3768</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.3827</b>	<b>11.0560</b>	<b>3.5965</b>	<b>2.1920</b>	<b>5.7885</b>		<b>6,140.0195</b>	<b>6,140.0195</b>	<b>1.9426</b>		<b>6,188.5854</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0785</b>	<b>0.0548</b>	<b>0.6188</b>	<b>1.7500e-003</b>	<b>0.1643</b>	<b>1.1700e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>174.0399</b>	<b>174.0399</b>	<b>5.5600e-003</b>		<b>174.1789</b>

San Diegoito 15, UM - San Diego County, Summer

**3.3 Grading - 2019**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.5600e-003		174.1789
<b>Total</b>	<b>0.0785</b>	<b>0.0548</b>	<b>0.6188</b>	<b>1.7500e-003</b>	<b>0.1643</b>	<b>1.1700e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>			<b>174.0399</b>	<b>5.5600e-003</b>		<b>174.1789</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>		<b>1.2127</b>		<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.3318</b>	<b>12.2824</b>	<b>10.0945</b>	<b>0.0460</b>	<b>2.5175</b>	<b>0.0945</b>	<b>2.6120</b>	<b>0.6822</b>	<b>0.0899</b>	<b>0.7721</b>		<b>4,775.313 5</b>	<b>4,775.313 5</b>	<b>0.2785</b>		<b>4,782.275 1</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.3318</b>	<b>12.2824</b>	<b>10.0945</b>	<b>0.0460</b>	<b>2.5175</b>	<b>0.0945</b>	<b>2.6120</b>	<b>0.6822</b>	<b>0.0899</b>	<b>0.7721</b>		<b>4,775.313 5</b>	<b>4,775.313 5</b>	<b>0.2785</b>		<b>4,782.275 1</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2020**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,763.9768	2,763.9768	0.2039		2,769.0742
Worker	0.8403	0.5662	6.4912	0.0194	1.8812	0.0132	1.8944	0.4990	0.0122	0.5111		1,929.8908	1,929.8908	0.0576		1,931.3314
<b>Total</b>	<b>1.1916</b>	<b>11.1655</b>	<b>9.1915</b>	<b>0.0451</b>	<b>2.5175</b>	<b>0.0651</b>	<b>2.5826</b>	<b>0.6822</b>	<b>0.0618</b>	<b>0.7439</b>		<b>4,693.8675</b>	<b>4,693.8675</b>	<b>0.2615</b>		<b>4,700.4056</b>



San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2020**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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		2,763.9768	2,763.9768	0.2039		2,769.0742
Worker	0.8403	0.5662	6.4912	0.0194	1.8812	0.0132	1.8944	0.4990	0.0122	0.5111		1,929.8908	1,929.8908	0.0576		1,931.3314
<b>Total</b>	<b>1.1916</b>	<b>11.1655</b>	<b>9.1915</b>	<b>0.0451</b>	<b>2.5175</b>	<b>0.0651</b>	<b>2.5826</b>	<b>0.6822</b>	<b>0.0618</b>	<b>0.7439</b>		<b>4,693.8675</b>	<b>4,693.8675</b>	<b>0.2615</b>		<b>4,700.4056</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2021**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,738.7083	2,738.7083	0.1957		2,743.6005
Worker	0.7921	0.5146	6.0740	0.0187	1.8812	0.0130	1.8942	0.4990	0.0120	0.5110		1,865.0696	1,865.0696	0.0532		1,866.4003
<b>Total</b>	<b>1.0763</b>	<b>10.0866</b>	<b>8.5133</b>	<b>0.0442</b>	<b>2.5175</b>	<b>0.0331</b>	<b>2.5506</b>	<b>0.6822</b>	<b>0.0312</b>	<b>0.7134</b>		<b>4,603.7779</b>	<b>4,603.7779</b>	<b>0.2489</b>		<b>4,610.0008</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2021**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,738.7083	2,738.7083	0.1957		2,743.6005
Worker	0.7921	0.5146	6.0740	0.0187	1.8812	0.0130	1.8942	0.4990	0.0120	0.5110		1,865.0696	1,865.0696	0.0532		1,866.4003
<b>Total</b>	<b>1.0763</b>	<b>10.0866</b>	<b>8.5133</b>	<b>0.0442</b>	<b>2.5175</b>	<b>0.0331</b>	<b>2.5506</b>	<b>0.6822</b>	<b>0.0312</b>	<b>0.7134</b>		<b>4,603.7779</b>	<b>4,603.7779</b>	<b>0.2489</b>		<b>4,610.0008</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2022**  
Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.0132</b>	<b>9.5151</b>	<b>7.9583</b>	<b>0.0432</b>	<b>2.5175</b>	<b>0.0300</b>	<b>2.5475</b>	<b>0.6822</b>	<b>0.0283</b>	<b>0.7104</b>		<b>4,509.6113</b>	<b>4,509.6113</b>	<b>0.2385</b>		<b>4,515.5736</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2022**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.0132</b>	<b>9.5151</b>	<b>7.9583</b>	<b>0.0432</b>	<b>2.5175</b>	<b>0.0300</b>	<b>2.5475</b>	<b>0.6822</b>	<b>0.0283</b>	<b>0.7104</b>		<b>4,509.6113</b>	<b>4,509.6113</b>	<b>0.2385</b>		<b>4,515.5736</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.9128</b>	<b>7.5499</b>	<b>7.3628</b>	<b>0.0418</b>	<b>2.5175</b>	<b>0.0209</b>	<b>2.5384</b>	<b>0.6822</b>	<b>0.0195</b>	<b>0.7017</b>		<b>4,372.3388</b>	<b>4,372.3388</b>	<b>0.2183</b>		<b>4,377.7971</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2023**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.9128</b>	<b>7.5499</b>	<b>7.3628</b>	<b>0.0418</b>	<b>2.5175</b>	<b>0.0209</b>	<b>2.5384</b>	<b>0.6822</b>	<b>0.0195</b>	<b>0.7017</b>		<b>4,372.3388</b>	<b>4,372.3388</b>	<b>0.2183</b>		<b>4,377.7971</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2024**  
Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.8701</b>	<b>7.4152</b>	<b>6.9556</b>	<b>0.0409</b>	<b>2.5175</b>	<b>0.0204</b>	<b>2.5379</b>	<b>0.6822</b>	<b>0.0191</b>	<b>0.7013</b>		<b>4,287.2488</b>	<b>4,287.2488</b>	<b>0.2127</b>		<b>4,292.5671</b>



San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2024**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.8701</b>	<b>7.4152</b>	<b>6.9556</b>	<b>0.0409</b>	<b>2.5175</b>	<b>0.0204</b>	<b>2.5379</b>	<b>0.6822</b>	<b>0.0191</b>	<b>0.7013</b>		<b>4,287.2488</b>	<b>4,287.2488</b>	<b>0.2127</b>		<b>4,292.5671</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2025**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,611.2070	2,611.2070	0.1700		2,615.4562
Worker	0.6425	0.3625	4.5821	0.0160	1.8812	0.0120	1.8932	0.4990	0.0111	0.5101		1,592.7216	1,592.7216	0.0379		1,593.6696
<b>Total</b>	<b>0.8334</b>	<b>7.2831</b>	<b>6.5923</b>	<b>0.0401</b>	<b>2.5175</b>	<b>0.0200</b>	<b>2.5375</b>	<b>0.6822</b>	<b>0.0187</b>	<b>0.7009</b>		<b>4,203.9286</b>	<b>4,203.9286</b>	<b>0.2079</b>		<b>4,209.1258</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2025**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,611.2070	2,611.2070	0.1700		2,615.4562
Worker	0.6425	0.3625	4.5821	0.0160	1.8812	0.0120	1.8932	0.4990	0.0111	0.5101		1,592.7216	1,592.7216	0.0379		1,593.6696
<b>Total</b>	<b>0.8334</b>	<b>7.2831</b>	<b>6.5923</b>	<b>0.0401</b>	<b>2.5175</b>	<b>0.0200</b>	<b>2.5375</b>	<b>0.6822</b>	<b>0.0187</b>	<b>0.7009</b>		<b>4,203.9286</b>	<b>4,203.9286</b>	<b>0.2079</b>		<b>4,209.1258</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2026**  
Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,596.0791	2,596.0791	0.1683		2,600.2875
Worker	0.6154	0.3372	4.3094	0.0154	1.8812	0.0117	1.8929	0.4990	0.0107	0.5097		1,534.3786	1,534.3786	0.0354		1,535.2623
<b>Total</b>	<b>0.8014</b>	<b>7.1596</b>	<b>6.2920</b>	<b>0.0393</b>	<b>2.5175</b>	<b>0.0194</b>	<b>2.5369</b>	<b>0.6822</b>	<b>0.0181</b>	<b>0.7003</b>		<b>4,130.4577</b>	<b>4,130.4577</b>	<b>0.2037</b>		<b>4,135.5499</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2026**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276	0.4963	0.4963	0.4963	0.0000	2,556.474 <sub>4</sub>	2,556.474 <sub>4</sub>	0.6010		2,571.498 <sub>1</sub>
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>	<b>0.4963</b>	<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.474<sub>4</sub></b>	<b>2,556.474<sub>4</sub></b>	<b>0.6010</b>		<b>2,571.498<sub>1</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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 <sub>1</sub>	2,596.079 <sub>1</sub>	0.1683		2,600.287 <sub>5</sub>
Worker	0.6154	0.3372	4.3094	0.0154	1.8812	0.0117	1.8929	0.4990	0.0107	0.5097		1,534.378 <sub>6</sub>	1,534.378 <sub>6</sub>	0.0354		1,535.262 <sub>3</sub>
<b>Total</b>	<b>0.8014</b>	<b>7.1596</b>	<b>6.2920</b>	<b>0.0393</b>	<b>2.5175</b>	<b>0.0194</b>	<b>2.5369</b>	<b>0.6822</b>	<b>0.0181</b>	<b>0.7003</b>		<b>4,130.457<sub>7</sub></b>	<b>4,130.457<sub>7</sub></b>	<b>0.2037</b>		<b>4,135.549<sub>9</sub></b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2027**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3674	12.4697	16.0847	0.0270	0.5276	0.5276	0.5276	0.4963	0.4963	0.4963		2,556.474 <sub>4</sub>	2,556.474 <sub>4</sub>	0.6010		2,571.498 <sub>1</sub>
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>	<b>0.4963</b>	<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474<sub>4</sub></b>	<b>2,556.474<sub>4</sub></b>	<b>0.6010</b>		<b>2,571.498<sub>1</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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 <sub>6</sub>	2,582.240 <sub>6</sub>	0.1669		2,586.413 <sub>9</sub>
Worker	0.5883	0.3148	4.0678	0.0149	1.8812	0.0110	1.8922	0.4990	0.0102	0.5091		1,483.005 <sub>6</sub>	1,483.005 <sub>6</sub>	0.0331		1,483.833 <sub>4</sub>
<b>Total</b>	<b>0.7702</b>	<b>7.0432</b>	<b>6.0268</b>	<b>0.0387</b>	<b>2.5175</b>	<b>0.0186</b>	<b>2.5361</b>	<b>0.6822</b>	<b>0.0174</b>	<b>0.6995</b>		<b>4,065.246<sub>2</sub></b>	<b>4,065.246<sub>2</sub></b>	<b>0.2000</b>		<b>4,070.247<sub>3</sub></b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2027**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3674	12.4697	16.0847	0.0270	0.5276	0.5276	0.5276	0.4963	0.4963	0.4963	0.0000	2,556.474 <sub>4</sub>	2,556.474 <sub>4</sub>	0.6010		2,571.498 <sub>1</sub>
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>	<b>0.4963</b>		<b>0.4963</b>	<b>0.0000</b>	<b>2,556.474<sub>4</sub></b>	<b>2,556.474<sub>4</sub></b>	<b>0.6010</b>		<b>2,571.498<sub>1</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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 <sub>6</sub>	2,582.240 <sub>6</sub>	0.1669		2,586.413 <sub>9</sub>
Worker	0.5883	0.3148	4.0678	0.0149	1.8812	0.0110	1.8922	0.4990	0.0102	0.5091		1,483.005 <sub>6</sub>	1,483.005 <sub>6</sub>	0.0331		1,483.833 <sub>4</sub>
<b>Total</b>	<b>0.7702</b>	<b>7.0432</b>	<b>6.0268</b>	<b>0.0387</b>	<b>2.5175</b>	<b>0.0186</b>	<b>2.5361</b>	<b>0.6822</b>	<b>0.0174</b>	<b>0.6995</b>		<b>4,065.246<sub>2</sub></b>	<b>4,065.246<sub>2</sub></b>	<b>0.2000</b>		<b>4,070.247<sub>3</sub></b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2028**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,570.6406	2,570.6406	0.1657		2,574.7819
Worker	0.5599	0.2950	3.8575	0.0144	1.8812	0.0102	1.8914	0.4990	9.4100e-003	0.5084		1,437.9515	1,437.9515	0.0312		1,438.7319
<b>Total</b>	<b>0.7386</b>	<b>6.9449</b>	<b>5.8048</b>	<b>0.0381</b>	<b>2.5175</b>	<b>0.0176</b>	<b>2.5352</b>	<b>0.6822</b>	<b>0.0165</b>	<b>0.6987</b>		<b>4,008.5921</b>	<b>4,008.5921</b>	<b>0.1969</b>		<b>4,013.5138</b>



San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2028**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	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			2,570.6406	0.1657		2,574.7819
Worker	0.5599	0.2950	3.8575	0.0144	1.8812	0.0102	1.8914	0.4990	9.4100e-003	0.5084			1,437.9515	0.0312		1,438.7319
<b>Total</b>	<b>0.7386</b>	<b>6.9449</b>	<b>5.8048</b>	<b>0.0381</b>	<b>2.5175</b>	<b>0.0176</b>	<b>2.5352</b>	<b>0.6822</b>	<b>0.0165</b>	<b>0.6987</b>		<b>4,008.5921</b>	<b>4,008.5921</b>	<b>0.1969</b>		<b>4,013.5138</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2029**  
Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,559.2725	2,559.2725	0.1647		2,563.3909
Worker	0.5292	0.2768	3.6579	0.0140	1.8812	9.4900e-003	1.8907	0.4990	8.7300e-003	0.5077		1,398.3685	1,398.3685	0.0295		1,399.1050
<b>Total</b>	<b>0.7049</b>	<b>6.8459</b>	<b>5.5919</b>	<b>0.0375</b>	<b>2.5175</b>	<b>0.0167</b>	<b>2.5343</b>	<b>0.6822</b>	<b>0.0157</b>	<b>0.6978</b>		<b>3,957.6409</b>	<b>3,957.6409</b>	<b>0.1942</b>		<b>3,962.4959</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2029**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,559.2725	2,559.2725	0.1647		2,563.3909
Worker	0.5292	0.2768	3.6579	0.0140	1.8812	9.4900e-003	1.8907	0.4990	8.7300e-003	0.5077		1,398.3685	1,398.3685	0.0295		1,399.1050
<b>Total</b>	<b>0.7049</b>	<b>6.8459</b>	<b>5.5919</b>	<b>0.0375</b>	<b>2.5175</b>	<b>0.0167</b>	<b>2.5343</b>	<b>0.6822</b>	<b>0.0157</b>	<b>0.6978</b>		<b>3,957.6409</b>	<b>3,957.6409</b>	<b>0.1942</b>		<b>3,962.4959</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2030**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3091	7.9346	16.1570	0.0310	0.1481	0.1481	0.1481	0.1481	0.1481	0.1481		2.897.5468	2.897.5468	0.1162		2.900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>		<b>2.897.5468</b>	<b>2.897.5468</b>	<b>0.1162</b>		<b>2.900.4529</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.6691</b>	<b>6.7599</b>	<b>5.3958</b>	<b>0.0371</b>	<b>2.5175</b>	<b>0.0159</b>	<b>2.5334</b>	<b>0.6822</b>	<b>0.0149</b>	<b>0.6971</b>		<b>3.913.6276</b>	<b>3.913.6276</b>	<b>0.1918</b>		<b>3.918.4214</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2030**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3091	7.9346	16.1570	0.0310	0.1481	0.1481	0.1481	0.1481	0.1481	0.1481	0.0000	2.897.5468	2.897.5468	0.1162		2.900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.0000</b>	<b>2.897.5468</b>	<b>2.897.5468</b>	<b>0.1162</b>		<b>2.900.4529</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.6691</b>	<b>6.7599</b>	<b>5.3958</b>	<b>0.0371</b>	<b>2.5175</b>	<b>0.0159</b>	<b>2.5334</b>	<b>0.6822</b>	<b>0.0149</b>	<b>0.6971</b>		<b>3.913.6276</b>	<b>3.913.6276</b>	<b>0.1918</b>		<b>3.918.4214</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2031**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3091	7.9346	16.1570	0.0310	0.1481	0.1481	0.1481	0.1481	0.1481	0.1481		2.897.5468	2.897.5468	0.1162		2.900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>		<b>2.897.5468</b>	<b>2.897.5468</b>	<b>0.1162</b>		<b>2.900.4529</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.6318</b>	<b>6.6845</b>	<b>5.2105</b>	<b>0.0367</b>	<b>2.5175</b>	<b>0.0152</b>	<b>2.5327</b>	<b>0.6822</b>	<b>0.0142</b>	<b>0.6964</b>		<b>3,875.4535</b>	<b>3,875.4535</b>	<b>0.1895</b>		<b>3,880.1912</b>

San Diegoito 15, UM - San Diego County, Summer

**3.4 Building Construction - 2031**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.3091	7.9346	16.1570	0.0310	0.1481	0.1481	0.1481	0.1481	0.1481	0.1481	0.0000	2.897.5468	2.897.5468	0.1162		2.900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.0000</b>	<b>2.897.5468</b>	<b>2.897.5468</b>	<b>0.1162</b>		<b>2.900.4529</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	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	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	0.0263		1,333.8270
<b>Total</b>	<b>0.6318</b>	<b>6.6845</b>	<b>5.2105</b>	<b>0.0367</b>	<b>2.5175</b>	<b>0.0152</b>	<b>2.5327</b>	<b>0.6822</b>	<b>0.0142</b>	<b>0.6964</b>			<b>3,875.4535</b>	<b>0.1895</b>		<b>3,880.1912</b>

San Diegoito 15, UM - San Diego County, Summer

**3.5 Paving - 2031**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3845	7.1202	15.8495	0.0281	0.3306	0.3306	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			0.0000			0.0000
<b>Total</b>	<b>1.3845</b>	<b>7.1202</b>	<b>15.8495</b>	<b>0.0281</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>		<b>2.656.5168</b>	<b>2.656.5168</b>	<b>0.1245</b>		<b>2.659.6302</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0302</b>	<b>0.0159</b>	<b>0.2155</b>	<b>8.8000e-004</b>	<b>0.1232</b>	<b>5.4000e-004</b>	<b>0.1238</b>	<b>0.0327</b>	<b>4.9000e-004</b>	<b>0.0332</b>		<b>87.3255</b>	<b>87.3255</b>	<b>1.7200e-003</b>		<b>87.3686</b>



San Diegoito 15, UM - San Diego County, Summer

**3.5 Paving - 2031**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.3845	7.1202	15.8495	0.0281	0.3306	0.3306	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			0.0000			0.0000
<b>Total</b>	<b>1.3845</b>	<b>7.1202</b>	<b>15.8495</b>	<b>0.0281</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.0000</b>	<b>2.656.5168</b>	<b>2.656.5168</b>	<b>0.1245</b>		<b>2.659.6302</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	1.7200e-003		87.3686
<b>Total</b>	<b>0.0302</b>	<b>0.0159</b>	<b>0.2155</b>	<b>8.8000e-004</b>	<b>0.1232</b>	<b>5.4000e-004</b>	<b>0.1238</b>	<b>0.0327</b>	<b>4.9000e-004</b>	<b>0.0332</b>			<b>87.3255</b>	<b>1.7200e-003</b>		<b>87.3686</b>

San Diegoito 15, UM - San Diego County, Summer

**3.5 Paving - 2032**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3845	7.1202	15.8495	0.0281	0.3306	0.3306	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			0.0000			0.0000
<b>Total</b>	<b>1.3845</b>	<b>7.1202</b>	<b>15.8495</b>	<b>0.0281</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>		<b>2.656.5168</b>	<b>2.656.5168</b>	<b>0.1245</b>		<b>2.659.6302</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0281</b>	<b>0.0150</b>	<b>0.2053</b>	<b>8.6000e-004</b>	<b>0.1232</b>	<b>5.0000e-004</b>	<b>0.1237</b>	<b>0.0327</b>	<b>4.6000e-004</b>	<b>0.0331</b>		<b>85.5966</b>	<b>85.5966</b>	<b>1.6400e-003</b>		<b>85.6377</b>

San Diegoito 15, UM - San Diego County, Summer

**3.5 Paving - 2032**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.3845	7.1202	15.8495	0.0281	0.3306	0.3306	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			0.0000			0.0000
<b>Total</b>	<b>1.3845</b>	<b>7.1202</b>	<b>15.8495</b>	<b>0.0281</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.0000</b>	<b>2.656.5168</b>	<b>2.656.5168</b>	<b>0.1245</b>		<b>2.659.6302</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0281</b>	<b>0.0150</b>	<b>0.2053</b>	<b>8.6000e-004</b>	<b>0.1232</b>	<b>5.0000e-004</b>	<b>0.1237</b>	<b>0.0327</b>	<b>4.6000e-004</b>	<b>0.0331</b>		<b>85.5966</b>	<b>85.5966</b>	<b>1.6400e-003</b>		<b>85.6377</b>

San Diegoito 15, UM - San Diego County, Summer

**3.6 Architectural Coating - 2032**  
**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	23.3804					0.0000	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	0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>23.5112</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0862</b>	<b>0.0460</b>	<b>0.6297</b>	<b>2.6300e-003</b>	<b>0.3779</b>	<b>1.5400e-003</b>	<b>0.3794</b>	<b>0.1002</b>	<b>1.4100e-003</b>	<b>0.1016</b>		<b>262.4962</b>	<b>262.4962</b>	<b>5.0400e-003</b>		<b>262.6222</b>

San Diegoito 15, UM - San Diego County, Summer

**3.6 Architectural Coating - 2032**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	23.3804				0.0000	0.0000	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	0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>23.5112</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.0400e-003		262.6222
<b>Total</b>	<b>0.0862</b>	<b>0.0460</b>	<b>0.6297</b>	<b>2.6300e-003</b>	<b>0.3779</b>	<b>1.5400e-003</b>	<b>0.3794</b>	<b>0.1002</b>	<b>1.4100e-003</b>	<b>0.1016</b>			<b>262.4962</b>	<b>5.0400e-003</b>		<b>262.6222</b>

San Diegoito 15, UM - San Diego County, Summer

**3.6 Architectural Coating - 2033**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>23.5112</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0807</b>	<b>0.0437</b>	<b>0.6029</b>	<b>2.5800e-003</b>	<b>0.3779</b>	<b>1.4300e-003</b>	<b>0.3793</b>	<b>0.1002</b>	<b>1.3200e-003</b>	<b>0.1016</b>		<b>257.9306</b>	<b>257.9306</b>	<b>4.8300e-003</b>		<b>258.0514</b>

San Diegoito 15, UM - San Diego County, Summer

**3.6 Architectural Coating - 2033**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	23.3804					0.0000	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	0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>23.5112</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.8300e-003		258.0514
<b>Total</b>	<b>0.0807</b>	<b>0.0437</b>	<b>0.6029</b>	<b>2.5800e-003</b>	<b>0.3779</b>	<b>1.4300e-003</b>	<b>0.3793</b>	<b>0.1002</b>	<b>1.3200e-003</b>	<b>0.1016</b>		<b>257.9306</b>	<b>257.9306</b>	<b>4.8300e-003</b>		<b>258.0514</b>

**4.0 Operational Detail - Mobile**

San Diegoito 15, UM - San Diego County, Summer

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	5.6607	30.6603	69.9570	0.3402	40.1382	0.1195	40.2577	10.7275	0.1113	10.8388		35,070.30	35,070.30	1.5829		35,109.87
Unmitigated	5.6607	30.6603	69.9570	0.3402	40.1382	0.1195	40.2577	10.7275	0.1113	10.8388		35,070.30	35,070.30	1.5829		35,109.87

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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
<b>Total</b>	<b>7,182.87</b>	<b>4,064.08</b>	<b>3,121.29</b>	<b>16,104,448</b>	<b>16,104,448</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-O or C-NW	H-S or C-C	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**

Category	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Diegoito 15, UM - San Diego County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

Land Use	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
lb/day																	
General Office Building	21009.7	0.2266	2.0598	1.7302	0.0124		0.1565	0.1565		0.1565	0.1565		2,471.731 <sub>3</sub>	2,471.731 <sub>3</sub>	0.0474	0.0453	2,486.419 <sub>6</sub>
Single Family Housing	23496.6	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.305 <sub>4</sub>	2,764.305 <sub>4</sub>	0.0530	0.0507	2,780.732 <sub>3</sub>
<b>Total</b>		<b>0.4800</b>	<b>4.2252</b>	<b>2.6517</b>	<b>0.0262</b>		<b>0.3316</b>	<b>0.3316</b>		<b>0.3316</b>	<b>0.3316</b>		<b>5,236.036<sub>7</sub></b>	<b>5,236.036<sub>7</sub></b>	<b>0.1004</b>	<b>0.0960</b>	<b>5,267.151<sub>9</sub></b>

**Mitigated**

Land Use	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
lb/day																	
General Office Building	21.0097	0.2266	2.0598	1.7302	0.0124		0.1565	0.1565		0.1565	0.1565		2,471.731 <sub>3</sub>	2,471.731 <sub>3</sub>	0.0474	0.0453	2,486.419 <sub>6</sub>
Single Family Housing	23.4966	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.305 <sub>4</sub>	2,764.305 <sub>4</sub>	0.0530	0.0507	2,780.732 <sub>3</sub>
<b>Total</b>		<b>0.4800</b>	<b>4.2252</b>	<b>2.6517</b>	<b>0.0262</b>		<b>0.3316</b>	<b>0.3316</b>		<b>0.3316</b>	<b>0.3316</b>		<b>5,236.036<sub>7</sub></b>	<b>5,236.036<sub>7</sub></b>	<b>0.1004</b>	<b>0.0960</b>	<b>5,267.151<sub>9</sub></b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

San Dieguito 15, UM - San Diego County, Summer

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	482.4917	9.2817	593.3832	1.0315	79.8639	79.8639	79.8639	79.8639	79.8639	79.8639	8,359,291 0	3,550,561 7	11,909,85 27	7.7570	0.6575	12,299.71 94
Unmitigated	482.4917	9.2817	593.3832	1.0315	79.8639	79.8639	79.8639	79.8639	79.8639	79.8639	8,359,291 0	3,550,561 7	11,909,85 27	7.7570	0.6575	12,299.71 94

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	1.4092				0.0000	0.0000	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			0.0000			0.0000
Hearth	460.6489	8.9959	568.6210	1.0302	79.7261	79.7261	79.7261	79.7261	79.7261	79.7261	8,359,291 0	3,505,764 7	11,865.05 57	7.7142	0.6575	12,253.85 30
Landscaping	0.7430	0.2857	24.7622	1.3100e-003	0.1379	0.1379	0.1379	0.1379	0.1379	0.1379	44.7970	44.7970	44.7970	0.0428		45.8664
<b>Total</b>	<b>482.4917</b>	<b>9.2817</b>	<b>593.3832</b>	<b>1.0315</b>	<b>79.8639</b>	<b>79.8639</b>	<b>79.8639</b>	<b>79.8639</b>	<b>79.8639</b>	<b>79.8639</b>	<b>8,359,291 0</b>	<b>3,550,561 8</b>	<b>11,909,85 27</b>	<b>7.7570</b>	<b>0.6575</b>	<b>12,299.71 94</b>

San Diegoito 15, UM - San Diego County, Summer

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	1.4092					0.0000	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			0.0000
Hearth	460.6489	8.9959	568.6210	1.0302		79.7261	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	0.1379		44.7970	44.7970	0.0428		45.8664
<b>Total</b>	<b>482.4917</b>	<b>9.2817</b>	<b>593.3832</b>	<b>1.0315</b>		<b>79.8639</b>	<b>79.8639</b>	<b>79.8639</b>	<b>79.8639</b>	<b>79.8639</b>	<b>8,359.2910</b>	<b>3,550.5618</b>	<b>11,909.8527</b>	<b>7.7570</b>	<b>0.6575</b>	<b>12,299.7194</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**



San Diegoito 15, M - San Diego County, Summer

**San Diegoito 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

Year	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>3</sub>	6,423.873 <sub>3</sub>	1.9501	0.0000	6,472.626 <sub>2</sub>
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 <sub>7</sub>	7,366.893 <sub>7</sub>	1.9482	0.0000	7,389.638 <sub>6</sub>
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 <sub>6</sub>	7,246.930 <sub>6</sub>	0.8844	0.0000	7,269.040 <sub>1</sub>
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 <sub>8</sub>	7,157.141 <sub>8</sub>	0.8649	0.0000	7,178.765 <sub>1</sub>
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 <sub>9</sub>	7,063.944 <sub>9</sub>	0.8504	0.0000	7,085.205 <sub>8</sub>
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 <sub>7</sub>	6,927.548 <sub>7</sub>	0.8262	0.0000	6,948.203 <sub>1</sub>
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 <sub>7</sub>	6,842.947 <sub>7</sub>	0.8171	0.0000	6,863.374 <sub>7</sub>
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 <sub>0</sub>	6,760.403 <sub>0</sub>	0.8088	0.0000	6,780.623 <sub>9</sub>
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 <sub>0</sub>	6,686.932 <sub>0</sub>	0.8046	0.0000	6,707.047 <sub>9</sub>
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 <sub>5</sub>	6,621.720 <sub>5</sub>	0.8010	0.0000	6,641.745 <sub>3</sub>
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 <sub>4</sub>	6,565.066 <sub>4</sub>	0.7978	0.0000	6,585.011 <sub>9</sub>
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 <sub>3</sub>	6,514.115 <sub>3</sub>	0.7952	0.0000	6,533.994 <sub>0</sub>
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 <sub>3</sub>	6,811.174 <sub>3</sub>	0.3080	0.0000	6,818.874 <sub>3</sub>
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 <sub>3</sub>	6,773.000 <sub>3</sub>	0.3058	0.0000	6,780.644 <sub>1</sub>
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 <sub>4</sub>	2,742.113 <sub>4</sub>	0.1262	0.0000	2,745.267 <sub>8</sub>
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
<b>Maximum</b>	<b>23.5974</b>	<b>59.5831</b>	<b>35.7740</b>	<b>0.0729</b>	<b>18.2141</b>	<b>2.6349</b>	<b>20.7921</b>	<b>9.9699</b>	<b>2.4241</b>	<b>12.3416</b>	<b>0.0000</b>	<b>7,366.893<sub>7</sub></b>	<b>7,366.893<sub>7</sub></b>	<b>1.9501</b>	<b>0.0000</b>	<b>7,389.638<sub>6</sub></b>

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

Year	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>3</sub>	6,423.873 <sub>3</sub>	1.9501	0.0000	6,472.626 <sub>2</sub>
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 <sub>7</sub>	7,366.893 <sub>7</sub>	1.9482	0.0000	7,389.638 <sub>6</sub>
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 <sub>6</sub>	7,246.930 <sub>6</sub>	0.8844	0.0000	7,269.040 <sub>1</sub>
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 <sub>8</sub>	7,157.141 <sub>8</sub>	0.8649	0.0000	7,178.765 <sub>1</sub>
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 <sub>9</sub>	7,063.944 <sub>9</sub>	0.8504	0.0000	7,085.205 <sub>8</sub>
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 <sub>7</sub>	6,927.548 <sub>7</sub>	0.8262	0.0000	6,948.203 <sub>1</sub>
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 <sub>7</sub>	6,842.947 <sub>7</sub>	0.8171	0.0000	6,863.374 <sub>7</sub>
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 <sub>0</sub>	6,760.403 <sub>0</sub>	0.8088	0.0000	6,780.623 <sub>9</sub>
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 <sub>0</sub>	6,686.932 <sub>0</sub>	0.8046	0.0000	6,707.047 <sub>9</sub>
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 <sub>5</sub>	6,621.720 <sub>5</sub>	0.8010	0.0000	6,641.745 <sub>3</sub>
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 <sub>4</sub>	6,565.066 <sub>4</sub>	0.7978	0.0000	6,585.011 <sub>9</sub>
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 <sub>3</sub>	6,514.115 <sub>3</sub>	0.7952	0.0000	6,533.994 <sub>0</sub>
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 <sub>3</sub>	6,811.174 <sub>3</sub>	0.3080	0.0000	6,818.874 <sub>3</sub>
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 <sub>3</sub>	6,773.000 <sub>3</sub>	0.3058	0.0000	6,780.644 <sub>1</sub>
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 <sub>3</sub>	2,742.113 <sub>3</sub>	0.1262	0.0000	2,745.267 <sub>8</sub>
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
<b>Maximum</b>	<b>23.5974</b>	<b>59.5831</b>	<b>35.7740</b>	<b>0.0729</b>	<b>18.2141</b>	<b>2.6349</b>	<b>20.7921</b>	<b>9.9699</b>	<b>2.4241</b>	<b>12.3416</b>	<b>0.0000</b>	<b>7,366.893<sub>7</sub></b>	<b>7,366.893<sub>7</sub></b>	<b>1.9501</b>	<b>0.0000</b>	<b>7,389.638<sub>6</sub></b>



San Dieguito 15, M - San Diego County, Summer

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	22.4271	5.2788	26.8869	0.0332		0.5415	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	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
<b>Total</b>	<b>28.5677</b>	<b>40.1643</b>	<b>99.4956</b>	<b>0.3996</b>	<b>40.1382</b>	<b>0.9927</b>	<b>41.1309</b>	<b>10.7275</b>	<b>0.9845</b>	<b>11.7120</b>	<b>0.0000</b>	<b>46,725.25 88</b>	<b>46,725.25 88</b>	<b>1.8482</b>	<b>0.2129</b>	<b>46,834.89 34</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	22.4271	5.2788	26.8869	0.0332		0.5415	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	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
<b>Total</b>	<b>28.5677</b>	<b>40.1643</b>	<b>99.4956</b>	<b>0.3996</b>	<b>40.1382</b>	<b>0.9927</b>	<b>41.1309</b>	<b>10.7275</b>	<b>0.9845</b>	<b>11.7120</b>	<b>0.0000</b>	<b>46,725.25 88</b>	<b>46,725.25 88</b>	<b>1.8482</b>	<b>0.2129</b>	<b>46,834.89 34</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>



San Dieguito 15, M - San Diego County, Summer

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0766</b>	<b>0.0552</b>	<b>0.6162</b>	<b>1.6200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>161.5004</b>	<b>161.5004</b>	<b>5.5300e-003</b>		<b>161.6386</b>

San Dieguito 15, M - San Diego County, Summer

**3.3 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

San Dieguito 15, M - San Diego County, Summer

**3.3 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	6.1400e-003		179.5984
<b>Total</b>	<b>0.0851</b>	<b>0.0613</b>	<b>0.6847</b>	<b>1.8000e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>179.4449</b>	<b>179.4449</b>	<b>6.1400e-003</b>		<b>179.5984</b>

San Dieguito 15, M - San Diego County, Summer

**3.3 Grading - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.3827	2.1920	2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
<b>Total</b>	<b>4.7389</b>	<b>54.5202</b>	<b>33.3768</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.3827</b>	<b>11.0560</b>	<b>3.5965</b>	<b>2.1920</b>	<b>5.7885</b>		<b>6,140.0195</b>	<b>6,140.0195</b>	<b>1.9426</b>		<b>6,188.5854</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0785</b>	<b>0.0548</b>	<b>0.6188</b>	<b>1.7500e-003</b>	<b>0.1643</b>	<b>1.1700e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>174.0399</b>	<b>174.0399</b>	<b>5.5600e-003</b>		<b>174.1789</b>

San Dieguito 15, M - San Diego County, Summer

**3.3 Grading - 2019**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.5600e-003		174.1789
<b>Total</b>	<b>0.0785</b>	<b>0.0548</b>	<b>0.6188</b>	<b>1.7500e-003</b>	<b>0.1643</b>	<b>1.1700e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>			<b>174.0399</b>	<b>5.5600e-003</b>		<b>174.1789</b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>		<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.3318</b>	<b>12.2824</b>	<b>10.0945</b>	<b>0.0460</b>	<b>2.5175</b>	<b>0.0945</b>	<b>2.6120</b>	<b>0.6822</b>	<b>0.0899</b>	<b>0.7721</b>		<b>4,775.313 5</b>	<b>4,775.313 5</b>	<b>0.2785</b>		<b>4,782.275 1</b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.3318</b>	<b>12.2824</b>	<b>10.0945</b>	<b>0.0460</b>	<b>2.5175</b>	<b>0.0945</b>	<b>2.6120</b>	<b>0.6822</b>	<b>0.0899</b>	<b>0.7721</b>		<b>4,775.313 5</b>	<b>4,775.313 5</b>	<b>0.2785</b>		<b>4,782.275 1</b>

San Diego 15, M - San Diego County, Summer

**3.4 Building Construction - 2020**  
Unmitigated Construction On-Site

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,763.9768	2,763.9768	0.2039		2,769.0742
Worker	0.8403	0.5662	6.4912	0.0194	1.8812	0.0132	1.8944	0.4990	0.0122	0.5111		1,929.8908	1,929.8908	0.0576		1,931.3314
<b>Total</b>	<b>1.1916</b>	<b>11.1655</b>	<b>9.1915</b>	<b>0.0451</b>	<b>2.5175</b>	<b>0.0651</b>	<b>2.5826</b>	<b>0.6822</b>	<b>0.0618</b>	<b>0.7439</b>		<b>4,693.8675</b>	<b>4,693.8675</b>	<b>0.2615</b>		<b>4,700.4056</b>



San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2020**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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			2,763.9768	0.2039		2,769.0742
Worker	0.8403	0.5662	6.4912	0.0194	1.8812	0.0132	1.8944	0.4990	0.0122	0.5111			1,929.8908	0.0576		1,931.3314
<b>Total</b>	<b>1.1916</b>	<b>11.1655</b>	<b>9.1915</b>	<b>0.0451</b>	<b>2.5175</b>	<b>0.0651</b>	<b>2.5826</b>	<b>0.6822</b>	<b>0.0618</b>	<b>0.7439</b>			<b>4,693.8675</b>	<b>0.2615</b>		<b>4,700.4056</b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2021**  
**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,738.7083	2,738.7083	0.1957		2,743.6005
Worker	0.7921	0.5146	6.0740	0.0187	1.8812	0.0130	1.8942	0.4990	0.0120	0.5110		1,865.0696	1,865.0696	0.0532		1,866.4003
<b>Total</b>	<b>1.0763</b>	<b>10.0866</b>	<b>8.5133</b>	<b>0.0442</b>	<b>2.5175</b>	<b>0.0331</b>	<b>2.5506</b>	<b>0.6822</b>	<b>0.0312</b>	<b>0.7134</b>		<b>4,603.7779</b>	<b>4,603.7779</b>	<b>0.2489</b>		<b>4,610.0008</b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2021**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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		2,738.7083	2,738.7083	0.1957		2,743.6005
Worker	0.7921	0.5146	6.0740	0.0187	1.8812	0.0130	1.8942	0.4990	0.0120	0.5110		1,865.0696	1,865.0696	0.0532		1,866.4003
<b>Total</b>	<b>1.0763</b>	<b>10.0866</b>	<b>8.5133</b>	<b>0.0442</b>	<b>2.5175</b>	<b>0.0331</b>	<b>2.5506</b>	<b>0.6822</b>	<b>0.0312</b>	<b>0.7134</b>		<b>4,603.7779</b>	<b>4,603.7779</b>	<b>0.2489</b>		<b>4,610.0008</b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2022**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.7062	15.6156	16.3634	0.0269	0.8090	0.8090	0.8090	0.7612	0.7612	0.7612		2,554.333 6	2,554.333 6	0.6120		2,569.632 2
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>	<b>0.7612</b>		<b>0.7612</b>		<b>2,554.333 6</b>	<b>2,554.333 6</b>	<b>0.6120</b>		<b>2,569.632 2</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,712.969 5	2,712.969 5	0.1897		2,717.711 9
Worker	0.7488	0.4693	5.6480	0.0180	1.8812	0.0127	1.8939	0.4990	0.0117	0.5107		1,796.641 8	1,796.641 8	0.0488		1,797.861 7
<b>Total</b>	<b>1.0132</b>	<b>9.5151</b>	<b>7.9583</b>	<b>0.0432</b>	<b>2.5175</b>	<b>0.0300</b>	<b>2.5475</b>	<b>0.6822</b>	<b>0.0283</b>	<b>0.7104</b>		<b>4,509.611 3</b>	<b>4,509.611 3</b>	<b>0.2385</b>		<b>4,515.573 6</b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2022**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.0132</b>	<b>9.5151</b>	<b>7.9583</b>	<b>0.0432</b>	<b>2.5175</b>	<b>0.0300</b>	<b>2.5475</b>	<b>0.6822</b>	<b>0.0283</b>	<b>0.7104</b>		<b>4,509.6113</b>	<b>4,509.6113</b>	<b>0.2385</b>		<b>4,515.5736</b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.9128</b>	<b>7.5499</b>	<b>7.3628</b>	<b>0.0418</b>	<b>2.5175</b>	<b>0.0209</b>	<b>2.5384</b>	<b>0.6822</b>	<b>0.0195</b>	<b>0.7017</b>		<b>4,372.3388</b>	<b>4,372.3388</b>	<b>0.2183</b>		<b>4,377.7971</b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2023**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	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	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	0.0447		1,729.0753
<b>Total</b>	<b>0.9128</b>	<b>7.5499</b>	<b>7.3628</b>	<b>0.0418</b>	<b>2.5175</b>	<b>0.0209</b>	<b>2.5384</b>	<b>0.6822</b>	<b>0.0195</b>	<b>0.7017</b>			<b>4,372.3388</b>	<b>0.2183</b>		<b>4,377.7971</b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2024**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.8701</b>	<b>7.4152</b>	<b>6.9556</b>	<b>0.0409</b>	<b>2.5175</b>	<b>0.0204</b>	<b>2.5379</b>	<b>0.6822</b>	<b>0.0191</b>	<b>0.7013</b>		<b>4,287.2488</b>	<b>4,287.2488</b>	<b>0.2127</b>		<b>4,292.5671</b>



San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2024**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.8701</b>	<b>7.4152</b>	<b>6.9556</b>	<b>0.0409</b>	<b>2.5175</b>	<b>0.0204</b>	<b>2.5379</b>	<b>0.6822</b>	<b>0.0191</b>	<b>0.7013</b>		<b>4,287.2488</b>	<b>4,287.2488</b>	<b>0.2127</b>		<b>4,292.5671</b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2025**

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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		2,611.2070	2,611.2070	0.1700		2,615.4562
Worker	0.6425	0.3625	4.5821	0.0160	1.8812	0.0120	1.8932	0.4990	0.0111	0.5101		1,592.7216	1,592.7216	0.0379		1,593.6696
<b>Total</b>	<b>0.8334</b>	<b>7.2831</b>	<b>6.5923</b>	<b>0.0401</b>	<b>2.5175</b>	<b>0.0200</b>	<b>2.5375</b>	<b>0.6822</b>	<b>0.0187</b>	<b>0.7009</b>		<b>4,203.9286</b>	<b>4,203.9286</b>	<b>0.2079</b>		<b>4,209.1258</b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2025**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,611.2070	2,611.2070	0.1700		2,615.4562
Worker	0.6425	0.3625	4.5821	0.0160	1.8812	0.0120	1.8932	0.4990	0.0111	0.5101		1,592.7216	1,592.7216	0.0379		1,593.6696
<b>Total</b>	<b>0.8334</b>	<b>7.2831</b>	<b>6.5923</b>	<b>0.0401</b>	<b>2.5175</b>	<b>0.0200</b>	<b>2.5375</b>	<b>0.6822</b>	<b>0.0187</b>	<b>0.7009</b>		<b>4,203.9286</b>	<b>4,203.9286</b>	<b>0.2079</b>		<b>4,209.1258</b>

San Diegoito 15, M - San Diego County, Summer

**3.4 Building Construction - 2026**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,596.0791	2,596.0791	0.1683		2,600.2875
Worker	0.6154	0.3372	4.3094	0.0154	1.8812	0.0117	1.8929	0.4990	0.0107	0.5097		1,534.3786	1,534.3786	0.0354		1,535.2623
<b>Total</b>	<b>0.8014</b>	<b>7.1596</b>	<b>6.2920</b>	<b>0.0393</b>	<b>2.5175</b>	<b>0.0194</b>	<b>2.5369</b>	<b>0.6822</b>	<b>0.0181</b>	<b>0.7003</b>		<b>4,130.4577</b>	<b>4,130.4577</b>	<b>0.2037</b>		<b>4,135.5499</b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2026**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,596.0791	2,596.0791	0.1683		2,600.2875
Worker	0.6154	0.3372	4.3094	0.0154	1.8812	0.0117	1.8929	0.4990	0.0107	0.5097		1,534.3786	1,534.3786	0.0354		1,535.2623
<b>Total</b>	<b>0.8014</b>	<b>7.1596</b>	<b>6.2920</b>	<b>0.0393</b>	<b>2.5175</b>	<b>0.0194</b>	<b>2.5369</b>	<b>0.6822</b>	<b>0.0181</b>	<b>0.7003</b>		<b>4,130.4577</b>	<b>4,130.4577</b>	<b>0.2037</b>		<b>4,135.5499</b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2027**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3674	12.4697	16.0847	0.0270	0.5276	0.5276	0.5276	0.4963	0.4963	0.4963		2,556.474 <sub>4</sub>	2,556.474 <sub>4</sub>	0.6010		2,571.498 <sub>1</sub>
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>	<b>0.4963</b>		<b>0.4963</b>		<b>2,556.474<sub>4</sub></b>	<b>2,556.474<sub>4</sub></b>	<b>0.6010</b>		<b>2,571.498<sub>1</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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 <sub>6</sub>	2,582.240 <sub>6</sub>	0.1669		2,586.413 <sub>9</sub>
Worker	0.5883	0.3148	4.0678	0.0149	1.8812	0.0110	1.8922	0.4990	0.0102	0.5091		1,483.005 <sub>6</sub>	1,483.005 <sub>6</sub>	0.0331		1,483.833 <sub>4</sub>
<b>Total</b>	<b>0.7702</b>	<b>7.0432</b>	<b>6.0268</b>	<b>0.0387</b>	<b>2.5175</b>	<b>0.0186</b>	<b>2.5361</b>	<b>0.6822</b>	<b>0.0174</b>	<b>0.6995</b>		<b>4,065.246<sub>2</sub></b>	<b>4,065.246<sub>2</sub></b>	<b>0.2000</b>		<b>4,070.247<sub>3</sub></b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2027**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3674	12.4697	16.0847	0.0270	0.5276	0.5276	0.5276	0.4963	0.4963	0.4963	0.0000	2,556.474 <sub>4</sub>	2,556.474 <sub>4</sub>	0.6010		2,571.498 <sub>1</sub>
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>	<b>0.4963</b>		<b>0.4963</b>	<b>0.0000</b>	<b>2,556.474<sub>4</sub></b>	<b>2,556.474<sub>4</sub></b>	<b>0.6010</b>		<b>2,571.498<sub>1</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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 <sub>6</sub>	2,582.240 <sub>6</sub>	0.1669		2,586.413 <sub>9</sub>
Worker	0.5883	0.3148	4.0678	0.0149	1.8812	0.0110	1.8922	0.4990	0.0102	0.5091		1,483.005 <sub>6</sub>	1,483.005 <sub>6</sub>	0.0331		1,483.833 <sub>4</sub>
<b>Total</b>	<b>0.7702</b>	<b>7.0432</b>	<b>6.0268</b>	<b>0.0387</b>	<b>2.5175</b>	<b>0.0186</b>	<b>2.5361</b>	<b>0.6822</b>	<b>0.0174</b>	<b>0.6995</b>		<b>4,065.246<sub>2</sub></b>	<b>4,065.246<sub>2</sub></b>	<b>0.2000</b>		<b>4,070.247<sub>3</sub></b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2028**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,570.6406	2,570.6406	0.1657		2,574.7819
Worker	0.5599	0.2950	3.8575	0.0144	1.8812	0.0102	1.8914	0.4990	9.4100e-003	0.5084		1,437.9515	1,437.9515	0.0312		1,438.7319
<b>Total</b>	<b>0.7386</b>	<b>6.9449</b>	<b>5.8048</b>	<b>0.0381</b>	<b>2.5175</b>	<b>0.0176</b>	<b>2.5352</b>	<b>0.6822</b>	<b>0.0165</b>	<b>0.6987</b>		<b>4,008.5921</b>	<b>4,008.5921</b>	<b>0.1969</b>		<b>4,013.5138</b>



San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2028**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	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			2,570.6406	0.1657		2,574.7819
Worker	0.5599	0.2950	3.8575	0.0144	1.8812	0.0102	1.8914	0.4990	9.4100e-003	0.5084			1,437.9515	0.0312		1,438.7319
<b>Total</b>	<b>0.7386</b>	<b>6.9449</b>	<b>5.8048</b>	<b>0.0381</b>	<b>2.5175</b>	<b>0.0176</b>	<b>2.5352</b>	<b>0.6822</b>	<b>0.0165</b>	<b>0.6987</b>		<b>4,008.5921</b>	<b>4,008.5921</b>	<b>0.1969</b>		<b>4,013.5138</b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2029**  
Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,559.2725	2,559.2725	0.1647		2,563.3909
Worker	0.5292	0.2768	3.6579	0.0140	1.8812	9.4900e-003	1.8907	0.4990	8.7300e-003	0.5077		1,398.3685	1,398.3685	0.0295		1,399.1050
<b>Total</b>	<b>0.7049</b>	<b>6.8459</b>	<b>5.5919</b>	<b>0.0375</b>	<b>2.5175</b>	<b>0.0167</b>	<b>2.5343</b>	<b>0.6822</b>	<b>0.0157</b>	<b>0.6978</b>		<b>3,957.6409</b>	<b>3,957.6409</b>	<b>0.1942</b>		<b>3,962.4959</b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2029**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,559.2725	2,559.2725	0.1647		2,563.3909
Worker	0.5292	0.2768	3.6579	0.0140	1.8812	9.4900e-003	1.8907	0.4990	8.7300e-003	0.5077		1,398.3685	1,398.3685	0.0295		1,399.1050
<b>Total</b>	<b>0.7049</b>	<b>6.8459</b>	<b>5.5919</b>	<b>0.0375</b>	<b>2.5175</b>	<b>0.0167</b>	<b>2.5343</b>	<b>0.6822</b>	<b>0.0157</b>	<b>0.6978</b>		<b>3,957.6409</b>	<b>3,957.6409</b>	<b>0.1942</b>		<b>3,962.4959</b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2030**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3091	7.9346	16.1570	0.0310	0.1481	0.1481	0.1481	0.1481	0.1481	0.1481		2.897.546 <sub>8</sub>	2.897.546 <sub>8</sub>	0.1162		2,900.452 <sub>9</sub>
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>		<b>2,897.546<sub>8</sub></b>	<b>2,897.546<sub>8</sub></b>	<b>0.1162</b>		<b>2,900.452<sub>9</sub></b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,550.040 <sub>0</sub>	2,550.040 <sub>0</sub>	0.1639		2,554.138 <sub>6</sub>
Worker	0.4958	0.2592	3.4686	0.0137	1.8812	8.8200e-003	1.8900	0.4990	8.1100e-003	0.5071		1,363.587 <sub>6</sub>	1,363.587 <sub>6</sub>	0.0278		1,364.282 <sub>8</sub>
<b>Total</b>	<b>0.6691</b>	<b>6.7599</b>	<b>5.3958</b>	<b>0.0371</b>	<b>2.5175</b>	<b>0.0159</b>	<b>2.5334</b>	<b>0.6822</b>	<b>0.0149</b>	<b>0.6971</b>		<b>3,913.627<sub>6</sub></b>	<b>3,913.627<sub>6</sub></b>	<b>0.1918</b>		<b>3,918.421<sub>4</sub></b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2030**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3091	7.9346	16.1570	0.0310	0.1481	0.1481	0.1481	0.1481	0.1481	0.1481	0.0000	2.897.546 <sub>8</sub>	2.897.546 <sub>8</sub>	0.1162		2,900.452 <sub>9</sub>
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.0000</b>	<b>2,897.546<sub>8</sub></b>	<b>2,897.546<sub>8</sub></b>	<b>0.1162</b>		<b>2,900.452<sub>9</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,550.040 <sub>0</sub>	2,550.040 <sub>0</sub>	0.1639		2,554.138 <sub>6</sub>
Worker	0.4958	0.2592	3.4686	0.0137	1.8812	8.8200e-003	1.8900	0.4990	8.1100e-003	0.5071		1,363.587 <sub>6</sub>	1,363.587 <sub>6</sub>	0.0278		1,364.282 <sub>8</sub>
<b>Total</b>	<b>0.6691</b>	<b>6.7599</b>	<b>5.3958</b>	<b>0.0371</b>	<b>2.5175</b>	<b>0.0159</b>	<b>2.5334</b>	<b>0.6822</b>	<b>0.0149</b>	<b>0.6971</b>		<b>3,913.627<sub>6</sub></b>	<b>3,913.627<sub>6</sub></b>	<b>0.1918</b>		<b>3,918.421<sub>4</sub></b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2031**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3091	7.9346	16.1570	0.0310	0.1481	0.1481	0.1481	0.1481	0.1481	0.1481		2.897.5468	2.897.5468	0.1162		2.900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>		<b>2.897.5468</b>	<b>2.897.5468</b>	<b>0.1162</b>		<b>2.900.4529</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.6318</b>	<b>6.6845</b>	<b>5.2105</b>	<b>0.0367</b>	<b>2.5175</b>	<b>0.0152</b>	<b>2.5327</b>	<b>0.6822</b>	<b>0.0142</b>	<b>0.6964</b>		<b>3,875.4535</b>	<b>3,875.4535</b>	<b>0.1895</b>		<b>3,880.1912</b>

San Dieguito 15, M - San Diego County, Summer

**3.4 Building Construction - 2031**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3091	7.9346	16.1570	0.0310	0.1481	0.1481	0.1481	0.1481	0.1481	0.1481	0.0000	2.897.5468	2.897.5468	0.1162		2.900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.0000</b>	<b>2.897.5468</b>	<b>2.897.5468</b>	<b>0.1162</b>		<b>2.900.4529</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.6318</b>	<b>6.6845</b>	<b>5.2105</b>	<b>0.0367</b>	<b>2.5175</b>	<b>0.0152</b>	<b>2.5327</b>	<b>0.6822</b>	<b>0.0142</b>	<b>0.6964</b>		<b>3.875.4535</b>	<b>3.875.4535</b>	<b>0.1895</b>		<b>3.880.1912</b>

San Dieguito 15, M - San Diego County, Summer

**3.5 Paving - 2031**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3845	7.1202	15.8495	0.0281	0.3306	0.3306	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			0.0000			0.0000
<b>Total</b>	<b>1.3845</b>	<b>7.1202</b>	<b>15.8495</b>	<b>0.0281</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>		<b>2.656.5168</b>	<b>2.656.5168</b>	<b>0.1245</b>		<b>2.659.6302</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0302</b>	<b>0.0159</b>	<b>0.2155</b>	<b>8.8000e-004</b>	<b>0.1232</b>	<b>5.4000e-004</b>	<b>0.1238</b>	<b>0.0327</b>	<b>4.9000e-004</b>	<b>0.0332</b>		<b>87.3255</b>	<b>87.3255</b>	<b>1.7200e-003</b>		<b>87.3686</b>



San Dieguito 15, M - San Diego County, Summer

**3.5 Paving - 2031**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.3845	7.1202	15.8495	0.0281	0.3306	0.3306	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			0.0000			0.0000
<b>Total</b>	<b>1.3845</b>	<b>7.1202</b>	<b>15.8495</b>	<b>0.0281</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.0000</b>	<b>2.656.5168</b>	<b>2.656.5168</b>	<b>0.1245</b>		<b>2.659.6302</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	1.7200e-003		87.3686
<b>Total</b>	<b>0.0302</b>	<b>0.0159</b>	<b>0.2155</b>	<b>8.8000e-004</b>	<b>0.1232</b>	<b>5.4000e-004</b>	<b>0.1238</b>	<b>0.0327</b>	<b>4.9000e-004</b>	<b>0.0332</b>			<b>87.3255</b>	<b>1.7200e-003</b>		<b>87.3686</b>

San Dieguito 15, M - San Diego County, Summer

**3.5 Paving - 2032**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3845	7.1202	15.8495	0.0281	0.3306	0.3306	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			0.0000			0.0000
<b>Total</b>	<b>1.3845</b>	<b>7.1202</b>	<b>15.8495</b>	<b>0.0281</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>		<b>2.656.5168</b>	<b>2.656.5168</b>	<b>0.1245</b>		<b>2.659.6302</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0281</b>	<b>0.0150</b>	<b>0.2053</b>	<b>8.6000e-004</b>	<b>0.1232</b>	<b>5.0000e-004</b>	<b>0.1237</b>	<b>0.0327</b>	<b>4.6000e-004</b>	<b>0.0331</b>		<b>85.5966</b>	<b>85.5966</b>	<b>1.6400e-003</b>		<b>85.6377</b>

San Dieguito 15, M - San Diego County, Summer

**3.5 Paving - 2032**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3845	7.1202	15.8495	0.0281	0.3306	0.3306	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			0.0000			0.0000
<b>Total</b>	<b>1.3845</b>	<b>7.1202</b>	<b>15.8495</b>	<b>0.0281</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.0000</b>	<b>2.656.5168</b>	<b>2.656.5168</b>	<b>0.1245</b>		<b>2.659.6302</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0281</b>	<b>0.0150</b>	<b>0.2053</b>	<b>8.6000e-004</b>	<b>0.1232</b>	<b>5.0000e-004</b>	<b>0.1237</b>	<b>0.0327</b>	<b>4.6000e-004</b>	<b>0.0331</b>		<b>85.5966</b>	<b>85.5966</b>	<b>1.6400e-003</b>		<b>85.6377</b>

San Dieguito 15, M - San Diego County, Summer

**3.6 Architectural Coating - 2032**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	23.3804				0.0000	0.0000	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	0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>23.5112</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0862</b>	<b>0.0460</b>	<b>0.6297</b>	<b>2.6300e-003</b>	<b>0.3779</b>	<b>1.5400e-003</b>	<b>0.3794</b>	<b>0.1002</b>	<b>1.4100e-003</b>	<b>0.1016</b>		<b>262.4962</b>	<b>262.4962</b>	<b>5.0400e-003</b>		<b>262.6222</b>

San Dieguito 15, M - San Diego County, Summer

**3.6 Architectural Coating - 2032**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	23.3804				0.0000	0.0000	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	0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>23.5112</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.0400e-003		262.6222
<b>Total</b>	<b>0.0862</b>	<b>0.0460</b>	<b>0.6297</b>	<b>2.6300e-003</b>	<b>0.3779</b>	<b>1.5400e-003</b>	<b>0.3794</b>	<b>0.1002</b>	<b>1.4100e-003</b>	<b>0.1016</b>			<b>262.4962</b>	<b>5.0400e-003</b>		<b>262.6222</b>

San Dieguito 15, M - San Diego County, Summer

**3.6 Architectural Coating - 2033**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>23.5112</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0807</b>	<b>0.0437</b>	<b>0.6029</b>	<b>2.5800e-003</b>	<b>0.3779</b>	<b>1.4300e-003</b>	<b>0.3793</b>	<b>0.1002</b>	<b>1.3200e-003</b>	<b>0.1016</b>		<b>257.9306</b>	<b>257.9306</b>	<b>4.8300e-003</b>		<b>258.0514</b>

San Dieguito 15, M - San Diego County, Summer

**3.6 Architectural Coating - 2033**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	23.3804				0.0000	0.0000	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	0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>23.5112</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.8300e-003		258.0514
<b>Total</b>	<b>0.0807</b>	<b>0.0437</b>	<b>0.6029</b>	<b>2.5800e-003</b>	<b>0.3779</b>	<b>1.4300e-003</b>	<b>0.3793</b>	<b>0.1002</b>	<b>1.3200e-003</b>	<b>0.1016</b>			<b>257.9306</b>	<b>4.8300e-003</b>		<b>258.0514</b>

**4.0 Operational Detail - Mobile**

San Dieguito 15, M - San Diego County, Summer

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	5.6607	30.6603	69.9570	0.3402	40.1382	0.1195	40.2577	10.7275	0.1113	10.8388		35,070.30	35,070.30	1.5829		35,109.87
Unmitigated	5.6607	30.6603	69.9570	0.3402	40.1382	0.1195	40.2577	10.7275	0.1113	10.8388		35,070.30	35,070.30	1.5829		35,109.87

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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
<b>Total</b>	<b>7,182.87</b>	<b>4,064.08</b>	<b>3,121.29</b>	<b>16,104,448</b>	<b>16,104,448</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-O or C-NW	H-S or C-C	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**

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

Land Use	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
lb/day																	
General Office Building	21009.7	0.2266	2.0598	1.7302	0.0124		0.1565	0.1565		0.1565	0.1565		2,471.731 <sub>3</sub>	2,471.731 <sub>3</sub>	0.0474	0.0453	2,486.419 <sub>6</sub>
Single Family Housing	23496.6	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.305 <sub>4</sub>	2,764.305 <sub>4</sub>	0.0530	0.0507	2,780.732 <sub>3</sub>
<b>Total</b>		<b>0.4800</b>	<b>4.2252</b>	<b>2.6517</b>	<b>0.0262</b>		<b>0.3316</b>	<b>0.3316</b>		<b>0.3316</b>	<b>0.3316</b>		<b>5,236.036<sub>7</sub></b>	<b>5,236.036<sub>7</sub></b>	<b>0.1004</b>	<b>0.0960</b>	<b>5,267.151<sub>9</sub></b>

**Mitigated**

Land Use	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
lb/day																	
General Office Building	21.0097	0.2266	2.0598	1.7302	0.0124		0.1565	0.1565		0.1565	0.1565		2,471.731 <sub>3</sub>	2,471.731 <sub>3</sub>	0.0474	0.0453	2,486.419 <sub>6</sub>
Single Family Housing	23.4966	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.305 <sub>4</sub>	2,764.305 <sub>4</sub>	0.0530	0.0507	2,780.732 <sub>3</sub>
<b>Total</b>		<b>0.4800</b>	<b>4.2252</b>	<b>2.6517</b>	<b>0.0262</b>		<b>0.3316</b>	<b>0.3316</b>		<b>0.3316</b>	<b>0.3316</b>		<b>5,236.036<sub>7</sub></b>	<b>5,236.036<sub>7</sub></b>	<b>0.1004</b>	<b>0.0960</b>	<b>5,267.151<sub>9</sub></b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

San Dieguito 15, M - San Diego County, Summer

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	22.4271	5.2788	26.8869	0.0332	0.5415	0.5415	0.5415	0.5415	0.5415	0.5415	0.0000	6,418.914 <sub>7</sub>	6,418.914 <sub>7</sub>	0.1649	0.1169	6,457.862 <sub>2</sub>
Unmitigated	22.4271	5.2788	26.8869	0.0332	0.5415	0.5415	0.5415	0.5415	0.5415	0.5415	0.0000	6,418.914 <sub>7</sub>	6,418.914 <sub>7</sub>	0.1649	0.1169	6,457.862 <sub>2</sub>

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	1.4092				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.5843	4.9931	2.1247	0.0319	0.4037	0.4037	0.4037	0.4037	0.4037	0.4037	0.0000	6,374.117 <sub>7</sub>	6,374.117 <sub>7</sub>	0.1222	0.1169	6,411.995 <sub>8</sub>
Landscaping	0.7430	0.2857	24.7622	1.3100e-003	0.1379	0.1379	0.1379	0.1379	0.1379	0.1379		44.7970	44.7970	0.0428		45.8664
<b>Total</b>	<b>22.4271</b>	<b>5.2788</b>	<b>26.8869</b>	<b>0.0332</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.0000</b>	<b>6,418.914<sub>7</sub></b>	<b>6,418.914<sub>7</sub></b>	<b>0.1649</b>	<b>0.1169</b>	<b>6,457.862<sub>2</sub></b>

San Dieguito 15, M - San Diego County, Summer

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	1.4092					0.0000	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			0.0000
Hearth	0.5843	4.9931	2.1247	0.0319	0.4037	0.4037	0.4037	0.4037	0.4037	0.4037	0.0000	6,374.117 <sub>7</sub>	6,374.117 <sub>7</sub>	0.1222	0.1169	6,411.995 <sub>8</sub>
Landscaping	0.7430	0.2857	24.7622	1.3100e-003	0.1379	0.1379	0.1379	0.1379	0.1379	0.1379		44.7970	44.7970	0.0428		45.8664
<b>Total</b>	<b>22.4271</b>	<b>5.2788</b>	<b>26.8869</b>	<b>0.0332</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.0000</b>	<b>6,418.914<sub>7</sub></b>	<b>6,418.914<sub>7</sub></b>	<b>0.1649</b>	<b>0.1169</b>	<b>6,457.862<sub>2</sub></b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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San Diegoito 15, UM - San Diego County, Winter

**San Diegoito 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

Year	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>9</sub>	6,412,893 <sub>9</sub>	1.9498	0.0000	6,461,639 <sub>2</sub>
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 <sub>0</sub>	7,174,215 <sub>0</sub>	1.9479	0.0000	7,197,220 <sub>8</sub>
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 <sub>1</sub>	7,057,500 <sub>1</sub>	0.8941	0.0000	7,079,852 <sub>1</sub>
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 <sub>3</sub>	6,972,079 <sub>3</sub>	0.8742	0.0000	6,993,933 <sub>1</sub>
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 <sub>8</sub>	6,883,341 <sub>8</sub>	0.8592	0.0000	6,904,821 <sub>7</sub>
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 <sub>9</sub>	6,753,688 <sub>9</sub>	0.8331	0.0000	6,774,515 <sub>8</sub>
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 <sub>9</sub>	6,674,225 <sub>9</sub>	0.8238	0.0000	6,694,819 <sub>6</sub>
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 <sub>7</sub>	6,596,687 <sub>7</sub>	0.8153	0.0000	6,617,069 <sub>2</sub>
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 <sub>9</sub>	6,527,606 <sub>9</sub>	0.8108	0.0000	6,547,877 <sub>1</sub>
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 <sub>0</sub>	6,466,174 <sub>0</sub>	0.8070	0.0000	6,486,347 <sub>9</sub>
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 <sub>1</sub>	6,412,855 <sub>1</sub>	0.8036	0.0000	6,432,944 <sub>3</sub>
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 <sub>0</sub>	6,364,885 <sub>0</sub>	0.8007	0.0000	6,384,903 <sub>2</sub>
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 <sub>8</sub>	6,664,446 <sub>8</sub>	0.3134	0.0000	6,672,282 <sub>7</sub>
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 <sub>8</sub>	6,628,419 <sub>8</sub>	0.3111	0.0000	6,636,196 <sub>7</sub>
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 <sub>8</sub>	2,736,853 <sub>8</sub>	0.1261	0.0000	2,740,005 <sub>6</sub>
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
<b>Maximum</b>	<b>23.6110</b>	<b>59.5906</b>	<b>35.7388</b>	<b>0.0710</b>	<b>18.2141</b>	<b>2.6349</b>	<b>20.7921</b>	<b>9.9699</b>	<b>2.4241</b>	<b>12.3416</b>	<b>0.0000</b>	<b>7,174,215<sub>0</sub></b>	<b>7,174,215<sub>0</sub></b>	<b>1.9498</b>	<b>0.0000</b>	<b>7,197,220<sub>8</sub></b>

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

Year	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>9</sub>	6,412.893 <sub>9</sub>	1.9498	0.0000	6,461.639 <sub>2</sub>
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 <sub>0</sub>	7,174.215 <sub>0</sub>	1.9479	0.0000	7,197.220 <sub>8</sub>
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 <sub>1</sub>	7,057.500 <sub>1</sub>	0.8941	0.0000	7,079.852 <sub>0</sub>
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 <sub>3</sub>	6,972.079 <sub>3</sub>	0.8742	0.0000	6,993.933 <sub>1</sub>
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 <sub>8</sub>	6,883.341 <sub>8</sub>	0.8592	0.0000	6,904.821 <sub>7</sub>
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 <sub>9</sub>	6,753.688 <sub>9</sub>	0.8331	0.0000	6,774.515 <sub>8</sub>
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 <sub>9</sub>	6,674.225 <sub>9</sub>	0.8238	0.0000	6,694.819 <sub>6</sub>
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 <sub>7</sub>	6,596.687 <sub>7</sub>	0.8153	0.0000	6,617.069 <sub>2</sub>
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 <sub>9</sub>	6,527.606 <sub>9</sub>	0.8108	0.0000	6,547.877 <sub>1</sub>
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 <sub>0</sub>	6,466.174 <sub>0</sub>	0.8070	0.0000	6,486.347 <sub>9</sub>
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 <sub>1</sub>	6,412.855 <sub>1</sub>	0.8036	0.0000	6,432.944 <sub>3</sub>
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 <sub>0</sub>	6,364.885 <sub>0</sub>	0.8007	0.0000	6,384.903 <sub>2</sub>
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 <sub>8</sub>	6,664.446 <sub>8</sub>	0.3134	0.0000	6,672.282 <sub>7</sub>
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 <sub>8</sub>	6,628.419 <sub>8</sub>	0.3111	0.0000	6,636.196 <sub>7</sub>
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 <sub>8</sub>	2,736.853 <sub>8</sub>	0.1261	0.0000	2,740.005 <sub>6</sub>
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
<b>Maximum</b>	<b>23.6110</b>	<b>59.5906</b>	<b>35.7388</b>	<b>0.0710</b>	<b>18.2141</b>	<b>2.6349</b>	<b>20.7921</b>	<b>9.9699</b>	<b>2.4241</b>	<b>12.3416</b>	<b>0.0000</b>	<b>7,174.215<sub>0</sub></b>	<b>7,174.215<sub>0</sub></b>	<b>1.9498</b>	<b>0.0000</b>	<b>7,197.220<sub>8</sub></b>



San Dieguito 15, UM - San Diego County, Winter

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	482.4917	9.2817	593.3832	1.0315		79.8639	79.8639	79.8639	79.8639	79.8639	8,359,291 0	3,550,561 7	11,909,85 27	7.7570	0.6575	12,299.71 94
Energy	0.4800	4.2252	2.6517	0.0262		0.3316	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
<b>Total</b>	<b>488.5062</b>	<b>44.5075</b>	<b>664.6079</b>	<b>1.3812</b>	<b>40.1382</b>	<b>80.3153</b>	<b>120.4535</b>	<b>10.7275</b>	<b>80.3071</b>	<b>91.0346</b>	<b>8,359,291 0</b>	<b>42,165.07 66</b>	<b>50,524.36 75</b>	<b>9.4552</b>	<b>0.7535</b>	<b>50,985.29 40</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	482.4917	9.2817	593.3832	1.0315		79.8639	79.8639	79.8639	79.8639	79.8639	8,359,291 0	3,550,561 7	11,909,85 27	7.7570	0.6575	12,299.71 94
Energy	0.4800	4.2252	2.6517	0.0262		0.3316	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
<b>Total</b>	<b>488.5062</b>	<b>44.5075</b>	<b>664.6079</b>	<b>1.3812</b>	<b>40.1382</b>	<b>80.3153</b>	<b>120.4535</b>	<b>10.7275</b>	<b>80.3071</b>	<b>91.0346</b>	<b>8,359,291 0</b>	<b>42,165.07 66</b>	<b>50,524.36 75</b>	<b>9.4552</b>	<b>0.7535</b>	<b>50,985.29 40</b>

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 Diegoito 15, UM - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

San Dieguito 15, UM - San Diego County, Winter

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

San Dieguito 15, UM - San Diego County, Winter

**3.3 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>168.4655</b>	<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

San Dieguito 15, UM - San Diego County, Winter

**3.3 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.8400e-003		168.6114
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>			<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

San Diegoito 15, UM - San Diego County, Winter

**3.3 Grading - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.3827	2.1920	2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
<b>Total</b>	<b>4.7389</b>	<b>54.5202</b>	<b>33.3768</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.3827</b>	<b>11.0560</b>	<b>3.5965</b>	<b>2.1920</b>	<b>5.7885</b>		<b>6,140.0195</b>	<b>6,140.0195</b>	<b>1.9426</b>		<b>6,188.5854</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0888</b>	<b>0.0616</b>	<b>0.5848</b>	<b>1.6400e-003</b>	<b>0.1643</b>	<b>1.1700e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>163.3828</b>	<b>163.3828</b>	<b>5.2700e-003</b>		<b>163.5146</b>

San Diegoito 15, UM - San Diego County, Winter

**3.3 Grading - 2019**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.2700e-003		163.5146
<b>Total</b>	<b>0.0888</b>	<b>0.0616</b>	<b>0.5848</b>	<b>1.6400e-003</b>	<b>0.1643</b>	<b>1.1700e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>			<b>163.3828</b>	<b>5.2700e-003</b>		<b>163.5146</b>

San Dieguito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899	1.2127	1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>		<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.4682</b>	<b>12.3690</b>	<b>10.0319</b>	<b>0.0441</b>	<b>2.5175</b>	<b>0.0959</b>	<b>2.6135</b>	<b>0.6822</b>	<b>0.0913</b>	<b>0.7735</b>		<b>4,582.634 9</b>	<b>4,582.634 9</b>	<b>0.2889</b>		<b>4,589.857 4</b>

San Dieguito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>		<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.4682</b>	<b>12.3690</b>	<b>10.0319</b>	<b>0.0441</b>	<b>2.5175</b>	<b>0.0959</b>	<b>2.6135</b>	<b>0.6822</b>	<b>0.0913</b>	<b>0.7735</b>		<b>4,582.634 9</b>	<b>4,582.634 9</b>	<b>0.2889</b>		<b>4,589.857 4</b>



San Diegoito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2020**  
Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.3196</b>	<b>11.2264</b>	<b>9.1167</b>	<b>0.0433</b>	<b>2.5175</b>	<b>0.0660</b>	<b>2.5836</b>	<b>0.6822</b>	<b>0.0627</b>	<b>0.7449</b>		<b>4,504.437 0</b>	<b>4,504.437 0</b>	<b>0.2712</b>		<b>4,511.217 6</b>

San Diegoito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2020**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	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			2,692.7448	0.2167		2,698.1618
Worker	0.9517	0.6357	6.1200	0.0182	1.8812	0.0132	1.8944	0.4990	0.0122	0.5111			1,811.6922	0.0546		1,813.0558
<b>Total</b>	<b>1.3196</b>	<b>11.2264</b>	<b>9.1167</b>	<b>0.0433</b>	<b>2.5175</b>	<b>0.0660</b>	<b>2.5836</b>	<b>0.6822</b>	<b>0.0627</b>	<b>0.7449</b>			<b>4,504.4370</b>	<b>0.2712</b>		<b>4,511.2176</b>

San Diegoito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2021**  
Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.1979</b>	<b>10.1241</b>	<b>8.4256</b>	<b>0.0424</b>	<b>2.5175</b>	<b>0.0339</b>	<b>2.5514</b>	<b>0.6822</b>	<b>0.0320</b>	<b>0.7141</b>		<b>4,418.7154</b>	<b>4,418.7154</b>	<b>0.2581</b>		<b>4,425.1688</b>

San Diegoito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2021**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.1979</b>	<b>10.1241</b>	<b>8.4256</b>	<b>0.0424</b>	<b>2.5175</b>	<b>0.0339</b>	<b>2.5514</b>	<b>0.6822</b>	<b>0.0320</b>	<b>0.7141</b>		<b>4,418.7154</b>	<b>4,418.7154</b>	<b>0.2581</b>		<b>4,425.1688</b>

San Diegoito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2022**  
Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.1299</b>	<b>9.5419</b>	<b>7.8696</b>	<b>0.0415</b>	<b>2.5175</b>	<b>0.0307</b>	<b>2.5483</b>	<b>0.6822</b>	<b>0.0290</b>	<b>0.7111</b>		<b>4,329.0082</b>	<b>4,329.0082</b>	<b>0.2473</b>		<b>4,335.1895</b>

San Diegoito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2022**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.1299</b>	<b>9.5419</b>	<b>7.8696</b>	<b>0.0415</b>	<b>2.5175</b>	<b>0.0307</b>	<b>2.5483</b>	<b>0.6822</b>	<b>0.0290</b>	<b>0.7111</b>		<b>4,329.0082</b>	<b>4,329.0082</b>	<b>0.2473</b>		<b>4,335.1895</b>

San Diegoito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.0234</b>	<b>7.5704</b>	<b>7.2335</b>	<b>0.0401</b>	<b>2.5175</b>	<b>0.0213</b>	<b>2.5388</b>	<b>0.6822</b>	<b>0.0199</b>	<b>0.7021</b>		<b>4,198.4790</b>	<b>4,198.4790</b>	<b>0.2252</b>		<b>4,204.1098</b>

San Dieguito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2023**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.0234</b>	<b>7.5704</b>	<b>7.2335</b>	<b>0.0401</b>	<b>2.5175</b>	<b>0.0213</b>	<b>2.5388</b>	<b>0.6822</b>	<b>0.0199</b>	<b>0.7021</b>		<b>4,198.4790</b>	<b>4,198.4790</b>	<b>0.2252</b>		<b>4,204.1098</b>



San Diegoito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2024**  
Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.9775</b>	<b>7.4317</b>	<b>6.8332</b>	<b>0.0393</b>	<b>2.5175</b>	<b>0.0208</b>	<b>2.5384</b>	<b>0.6822</b>	<b>0.0195</b>	<b>0.7016</b>		<b>4,118.5270</b>	<b>4,118.5270</b>	<b>0.2194</b>		<b>4,124.0119</b>

San Dieguito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2024**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	0.0387		1,559.3385
<b>Total</b>	<b>0.9775</b>	<b>7.4317</b>	<b>6.8332</b>	<b>0.0393</b>	<b>2.5175</b>	<b>0.0208</b>	<b>2.5384</b>	<b>0.6822</b>	<b>0.0195</b>	<b>0.7016</b>			<b>4,118.5270</b>	<b>0.2194</b>		<b>4,124.0119</b>

San Diegoito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2025**  
Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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		2,544.8308	2,544.8308	0.1787		2,549.2971
Worker	0.7367	0.4065	4.2775	0.0150	1.8812	0.0120	1.8932	0.4990	0.0111	0.5101		1,495.3826	1,495.3826	0.0357		1,496.2740
<b>Total</b>	<b>0.9379</b>	<b>7.2961</b>	<b>6.4806</b>	<b>0.0385</b>	<b>2.5175</b>	<b>0.0204</b>	<b>2.5379</b>	<b>0.6822</b>	<b>0.0190</b>	<b>0.7012</b>		<b>4,040.2133</b>	<b>4,040.2133</b>	<b>0.2143</b>		<b>4,045.5711</b>

San Diegoito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2025**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,544.8308	2,544.8308	0.1787		2,549.2971
Worker	0.7367	0.4065	4.2775	0.0150	1.8812	0.0120	1.8932	0.4990	0.0111	0.5101		1,495.3826	1,495.3826	0.0357		1,496.2740
<b>Total</b>	<b>0.9379</b>	<b>7.2961</b>	<b>6.4806</b>	<b>0.0385</b>	<b>2.5175</b>	<b>0.0204</b>	<b>2.5379</b>	<b>0.6822</b>	<b>0.0190</b>	<b>0.7012</b>		<b>4,040.2133</b>	<b>4,040.2133</b>	<b>0.2143</b>		<b>4,045.5711</b>

San Diegoito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2026**  
**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,530.5125	2,530.5125	0.1767		2,534.9288
Worker	0.7076	0.3781	4.0186	0.0144	1.8812	0.0117	1.8929	0.4990	0.0107	0.5097		1,440.6200	1,440.6200	0.0332		1,441.4503
<b>Total</b>	<b>0.9036</b>	<b>7.1697</b>	<b>6.1893</b>	<b>0.0378</b>	<b>2.5175</b>	<b>0.0197</b>	<b>2.5372</b>	<b>0.6822</b>	<b>0.0184</b>	<b>0.7006</b>		<b>3,971.1325</b>	<b>3,971.1325</b>	<b>0.2099</b>		<b>3,976.3791</b>

San Dieguito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2026**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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		2,530.5125	2,530.5125	0.1767		2,534.9288
Worker	0.7076	0.3781	4.0186	0.0144	1.8812	0.0117	1.8929	0.4990	0.0107	0.5097		1,440.6200	1,440.6200	0.0332		1,441.4503
<b>Total</b>	<b>0.9036</b>	<b>7.1697</b>	<b>6.1893</b>	<b>0.0378</b>	<b>2.5175</b>	<b>0.0197</b>	<b>2.5372</b>	<b>0.6822</b>	<b>0.0184</b>	<b>0.7006</b>		<b>3,971.1325</b>	<b>3,971.1325</b>	<b>0.2099</b>		<b>3,976.3791</b>

San Diegoito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2027**  
Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	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		2,517.3441	2,517.3441	0.1749		2,521.7173
Worker	0.6781	0.3529	3.7892	0.0140	1.8812	0.0110	1.8922	0.4990	0.0102	0.5091		1,392.3556	1,392.3556	0.0311		1,393.1326
<b>Total</b>	<b>0.8697</b>	<b>7.0504</b>	<b>5.9325</b>	<b>0.0372</b>	<b>2.5175</b>	<b>0.0189</b>	<b>2.5364</b>	<b>0.6822</b>	<b>0.0177</b>	<b>0.6998</b>		<b>3,909.6997</b>	<b>3,909.6997</b>	<b>0.2060</b>		<b>3,914.8498</b>

San Diegoito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2027**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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		2,517.3441	2,517.3441	0.1749		2,521.7173
Worker	0.6781	0.3529	3.7892	0.0140	1.8812	0.0110	1.8922	0.4990	0.0102	0.5091		1,392.3556	1,392.3556	0.0311		1,393.1326
<b>Total</b>	<b>0.8697</b>	<b>7.0504</b>	<b>5.9325</b>	<b>0.0372</b>	<b>2.5175</b>	<b>0.0189</b>	<b>2.5364</b>	<b>0.6822</b>	<b>0.0177</b>	<b>0.6998</b>		<b>3,909.6997</b>	<b>3,909.6997</b>	<b>0.2060</b>		<b>3,914.8498</b>



San Diegoito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2028**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,506.3799	2,506.3799	0.1733		2,510.7134
Worker	0.6464	0.3306	3.5898	0.0135	1.8812	0.0102	1.8914	0.4990	9.4100e-003	0.5084		1,350.0008	1,350.0008	0.0293		1,350.7328
<b>Total</b>	<b>0.8346</b>	<b>6.9500</b>	<b>5.7184</b>	<b>0.0366</b>	<b>2.5175</b>	<b>0.0179</b>	<b>2.5354</b>	<b>0.6822</b>	<b>0.0167</b>	<b>0.6989</b>		<b>3,856.3807</b>	<b>3,856.3807</b>	<b>0.2026</b>		<b>3,861.4462</b>

San Dieguito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2028**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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			2,506.3799	0.1733		2,510.7134
Worker	0.6464	0.3306	3.5898	0.0135	1.8812	0.0102	1.8914	0.4990	9.4100e-003	0.5084			1,350.0008	0.0293		1,350.7328
<b>Total</b>	<b>0.8346</b>	<b>6.9500</b>	<b>5.7184</b>	<b>0.0366</b>	<b>2.5175</b>	<b>0.0179</b>	<b>2.5354</b>	<b>0.6822</b>	<b>0.0167</b>	<b>0.6989</b>			<b>3,856.3807</b>	<b>0.2026</b>		<b>3,861.4462</b>

San Diegoito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2029**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3674	12.4697	16.0847	0.0270	0.5276	0.5276	0.5276	0.4963	0.4963	0.4963		2,556.474 <sub>4</sub>	2,556.474 <sub>4</sub>	0.6010		2,571.498 <sub>1</sub>
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>	<b>0.5276</b>	<b>0.5276</b>	<b>0.5276</b>	<b>0.4963</b>	<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474<sub>4</sub></b>	<b>2,556.474<sub>4</sub></b>	<b>0.6010</b>		<b>2,571.498<sub>1</sub></b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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 <sub>4</sub>	2,495.650 <sub>4</sub>	0.1722		2,499.954 <sub>6</sub>
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 <sub>3</sub>	1,312.760 <sub>3</sub>	0.0276		1,313.450 <sub>6</sub>
<b>Total</b>	<b>0.7968</b>	<b>6.8489</b>	<b>5.5125</b>	<b>0.0361</b>	<b>2.5175</b>	<b>0.0170</b>	<b>2.5345</b>	<b>0.6822</b>	<b>0.0159</b>	<b>0.6980</b>		<b>3,808.410<sub>6</sub></b>	<b>3,808.410<sub>6</sub></b>	<b>0.1998</b>		<b>3,813.405<sub>1</sub></b>

San Dieguito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2029**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.3674	12.4697	16.0847	0.0270	0.5276	0.5276	0.5276	0.4963	0.4963	0.4963	0.0000	2,556.474 <sub>4</sub>	2,556.474 <sub>4</sub>	0.6010		2,571.498 <sub>1</sub>
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>	<b>0.5276</b>	<b>0.5276</b>	<b>0.5276</b>	<b>0.4963</b>	<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.474<sub>4</sub></b>	<b>2,556.474<sub>4</sub></b>	<b>0.6010</b>		<b>2,571.498<sub>1</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	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 <sub>4</sub>	0.1722		2,499.954 <sub>6</sub>
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 <sub>3</sub>	0.0276		1,313.450 <sub>6</sub>
<b>Total</b>	<b>0.7968</b>	<b>6.8489</b>	<b>5.5125</b>	<b>0.0361</b>	<b>2.5175</b>	<b>0.0170</b>	<b>2.5345</b>	<b>0.6822</b>	<b>0.0159</b>	<b>0.6980</b>			<b>3,808.410<sub>6</sub></b>	<b>0.1998</b>		<b>3,813.405<sub>1</sub></b>

San Diegoito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2030**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3091	7.9346	16.1570	0.0310	0.1481	0.1481	0.1481	0.1481	0.1481	0.1481		2.897.5468	2.897.5468	0.1162		2.900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>		<b>2.897.5468</b>	<b>2.897.5468</b>	<b>0.1162</b>		<b>2.900.4529</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.7562</b>	<b>6.7610</b>	<b>5.3234</b>	<b>0.0357</b>	<b>2.5175</b>	<b>0.0161</b>	<b>2.5336</b>	<b>0.6822</b>	<b>0.0151</b>	<b>0.6972</b>		<b>3,766.9000</b>	<b>3,766.9000</b>	<b>0.1972</b>		<b>3,771.8298</b>

San Dieguito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2030**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.7562</b>	<b>6.7610</b>	<b>5.3234</b>	<b>0.0357</b>	<b>2.5175</b>	<b>0.0161</b>	<b>2.5336</b>	<b>0.6822</b>	<b>0.0151</b>	<b>0.6972</b>		<b>3,766.9000</b>	<b>3,766.9000</b>	<b>0.1972</b>		<b>3,771.8298</b>

San Dieguito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2031**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3091	7.9346	16.1570	0.0310	0.1481	0.1481	0.1481	0.1481	0.1481	0.1481		2.897.5468	2.897.5468	0.1162		2.900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>		<b>2.897.5468</b>	<b>2.897.5468</b>	<b>0.1162</b>		<b>2.900.4529</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.7135</b>	<b>6.6838</b>	<b>5.1446</b>	<b>0.0353</b>	<b>2.5175</b>	<b>0.0154</b>	<b>2.5329</b>	<b>0.6822</b>	<b>0.0144</b>	<b>0.6965</b>		<b>3,730.8730</b>	<b>3,730.8730</b>	<b>0.1948</b>		<b>3,735.7439</b>

San Dieguito 15, UM - San Diego County, Winter

**3.4 Building Construction - 2031**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.3091	7.9346	16.1570	0.0310	0.1481	0.1481	0.1481	0.1481	0.1481	0.1481	0.0000	2.897.5468	2.897.5468	0.1162		2.900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.0000</b>	<b>2.897.5468</b>	<b>2.897.5468</b>	<b>0.1162</b>		<b>2.900.4529</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	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	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	0.0246		1,251.9676
<b>Total</b>	<b>0.7135</b>	<b>6.6838</b>	<b>5.1446</b>	<b>0.0353</b>	<b>2.5175</b>	<b>0.0154</b>	<b>2.5329</b>	<b>0.6822</b>	<b>0.0144</b>	<b>0.6965</b>		<b>3,730.8730</b>	<b>3,730.8730</b>	<b>0.1948</b>		<b>3,735.7439</b>



San Dieguito 15, UM - San Diego County, Winter

**3.5 Paving - 2031**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3845	7.1202	15.8495	0.0281	0.3306	0.3306	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			0.0000			0.0000
<b>Total</b>	<b>1.3845</b>	<b>7.1202</b>	<b>15.8495</b>	<b>0.0281</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>		<b>2.656.5168</b>	<b>2.656.5168</b>	<b>0.1245</b>		<b>2.659.6302</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0349</b>	<b>0.0178</b>	<b>0.1997</b>	<b>8.2000e-004</b>	<b>0.1232</b>	<b>5.4000e-004</b>	<b>0.1238</b>	<b>0.0327</b>	<b>4.9000e-004</b>	<b>0.0332</b>		<b>81.9663</b>	<b>81.9663</b>	<b>1.6100e-003</b>		<b>82.0066</b>

San Diegoito 15, UM - San Diego County, Winter

**3.5 Paving - 2031**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.3845	7.1202	15.8495	0.0281	0.3306	0.3306	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			0.0000			0.0000
<b>Total</b>	<b>1.3845</b>	<b>7.1202</b>	<b>15.8495</b>	<b>0.0281</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.0000</b>	<b>2.656.5168</b>	<b>2.656.5168</b>	<b>0.1245</b>		<b>2.659.6302</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	1.6100e-003		82.0066
<b>Total</b>	<b>0.0349</b>	<b>0.0178</b>	<b>0.1997</b>	<b>8.2000e-004</b>	<b>0.1232</b>	<b>5.4000e-004</b>	<b>0.1238</b>	<b>0.0327</b>	<b>4.9000e-004</b>	<b>0.0332</b>			<b>81.9663</b>	<b>1.6100e-003</b>		<b>82.0066</b>

San Dieguito 15, UM - San Diego County, Winter

**3.5 Paving - 2032**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.3845	7.1202	15.8495	0.0281	0.3306	0.3306	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			0.0000			0.0000
<b>Total</b>	<b>1.3845</b>	<b>7.1202</b>	<b>15.8495</b>	<b>0.0281</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>		<b>2.656.5168</b>	<b>2.656.5168</b>	<b>0.1245</b>		<b>2.659.6302</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0326</b>	<b>0.0168</b>	<b>0.1900</b>	<b>8.0000e-004</b>	<b>0.1232</b>	<b>5.0000e-004</b>	<b>0.1237</b>	<b>0.0327</b>	<b>4.6000e-004</b>	<b>0.0331</b>		<b>80.3371</b>	<b>80.3371</b>	<b>1.5400e-003</b>		<b>80.3755</b>

San Dieguito 15, UM - San Diego County, Winter

**3.5 Paving - 2032**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3845	7.1202	15.8495	0.0281	0.3306	0.3306	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			0.0000			0.0000
<b>Total</b>	<b>1.3845</b>	<b>7.1202</b>	<b>15.8495</b>	<b>0.0281</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.0000</b>	<b>2.656.5168</b>	<b>2.656.5168</b>	<b>0.1245</b>		<b>2.659.6302</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0326</b>	<b>0.0168</b>	<b>0.1900</b>	<b>8.0000e-004</b>	<b>0.1232</b>	<b>5.0000e-004</b>	<b>0.1237</b>	<b>0.0327</b>	<b>4.6000e-004</b>	<b>0.0331</b>		<b>80.3371</b>	<b>80.3371</b>	<b>1.5400e-003</b>		<b>80.3755</b>

San Diegoito 15, UM - San Diego County, Winter

**3.6 Architectural Coating - 2032**  
**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	23.3804				0.0000	0.0000	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	0.0203	0.0203			281.4481	0.0114		281.7328
<b>Total</b>	<b>23.5112</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>			<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.7100e-003		246.4848
<b>Total</b>	<b>0.0999</b>	<b>0.0515</b>	<b>0.5828</b>	<b>2.4700e-003</b>	<b>0.3779</b>	<b>1.5400e-003</b>	<b>0.3794</b>	<b>0.1002</b>	<b>1.4100e-003</b>	<b>0.1016</b>			<b>246.3670</b>	<b>4.7100e-003</b>		<b>246.4848</b>

San Dieguito 15, UM - San Diego County, Winter

**3.6 Architectural Coating - 2032**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	23.3804				0.0000	0.0000	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	0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>23.5112</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.7100e-003		246.4848
<b>Total</b>	<b>0.0999</b>	<b>0.0515</b>	<b>0.5828</b>	<b>2.4700e-003</b>	<b>0.3779</b>	<b>1.5400e-003</b>	<b>0.3794</b>	<b>0.1002</b>	<b>1.4100e-003</b>	<b>0.1016</b>			<b>246.3670</b>	<b>4.7100e-003</b>		<b>246.4848</b>

San Diegoito 15, UM - San Diego County, Winter

**3.6 Architectural Coating - 2033**  
**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	23.3804				0.0000	0.0000	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	0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>23.5112</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0936</b>	<b>0.0489</b>	<b>0.5572</b>	<b>2.4200e-003</b>	<b>0.3779</b>	<b>1.4300e-003</b>	<b>0.3793</b>	<b>0.1002</b>	<b>1.3200e-003</b>	<b>0.1016</b>		<b>242.0646</b>	<b>242.0646</b>	<b>4.5100e-003</b>		<b>242.1774</b>

San Dieguito 15, UM - San Diego County, Winter

**3.6 Architectural Coating - 2033**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	23.3804				0.0000	0.0000	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	0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>23.5112</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.5100e-003		242.1774
<b>Total</b>	<b>0.0936</b>	<b>0.0489</b>	<b>0.5572</b>	<b>2.4200e-003</b>	<b>0.3779</b>	<b>1.4300e-003</b>	<b>0.3793</b>	<b>0.1002</b>	<b>1.3200e-003</b>	<b>0.1016</b>			<b>242.0646</b>	<b>4.5100e-003</b>		<b>242.1774</b>

**4.0 Operational Detail - Mobile**



San Diegoito 15, UM - San Diego County, Winter

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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
<b>Total</b>	<b>7,182.87</b>	<b>4,064.08</b>	<b>3,121.29</b>	<b>16,104,448</b>	<b>16,104,448</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-O or C-NW	H-S or C-C	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**

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

Land Use	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
lb/day																	
General Office Building	21009.7	0.2266	2.0598	1.7302	0.0124		0.1565	0.1565		0.1565	0.1565		2,471.731 <sub>3</sub>	2,471.731 <sub>3</sub>	0.0474	0.0453	2,486.419 <sub>6</sub>
Single Family Housing	23496.6	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.305 <sub>4</sub>	2,764.305 <sub>4</sub>	0.0530	0.0507	2,780.732 <sub>3</sub>
<b>Total</b>		<b>0.4800</b>	<b>4.2252</b>	<b>2.6517</b>	<b>0.0262</b>		<b>0.3316</b>	<b>0.3316</b>		<b>0.3316</b>	<b>0.3316</b>		<b>5,236.036<sub>7</sub></b>	<b>5,236.036<sub>7</sub></b>	<b>0.1004</b>	<b>0.0960</b>	<b>5,267.151<sub>9</sub></b>

**Mitigated**

Land Use	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
lb/day																	
General Office Building	21.0097	0.2266	2.0598	1.7302	0.0124		0.1565	0.1565		0.1565	0.1565		2,471.731 <sub>3</sub>	2,471.731 <sub>3</sub>	0.0474	0.0453	2,486.419 <sub>6</sub>
Single Family Housing	23.4966	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.305 <sub>4</sub>	2,764.305 <sub>4</sub>	0.0530	0.0507	2,780.732 <sub>3</sub>
<b>Total</b>		<b>0.4800</b>	<b>4.2252</b>	<b>2.6517</b>	<b>0.0262</b>		<b>0.3316</b>	<b>0.3316</b>		<b>0.3316</b>	<b>0.3316</b>		<b>5,236.036<sub>7</sub></b>	<b>5,236.036<sub>7</sub></b>	<b>0.1004</b>	<b>0.0960</b>	<b>5,267.151<sub>9</sub></b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

San Dieguito 15, UM - San Diego County, Winter

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	482.4917	9.2817	593.3832	1.0315	79.8639	79.8639	79.8639	79.8639	79.8639	79.8639	8,359,291 0	3,550,561 7	11,909,85 27	7.7570	0.6575	12,299.71 94
Unmitigated	482.4917	9.2817	593.3832	1.0315	79.8639	79.8639	79.8639	79.8639	79.8639	79.8639	8,359,291 0	3,550,561 7	11,909,85 27	7.7570	0.6575	12,299.71 94

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	1.4092				0.0000	0.0000	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			0.0000			0.0000
Hearth	460.6489	8.9959	568.6210	1.0302	79.7261	79.7261	79.7261	79.7261	79.7261	79.7261	8,359,291 0	3,505,764 7	11,865.05 57	7.7142	0.6575	12,253.85 30
Landscaping	0.7430	0.2857	24.7622	1.3100e-003	0.1379	0.1379	0.1379	0.1379	0.1379	0.1379	44.7970	44.7970	44.7970	0.0428		45.8664
<b>Total</b>	<b>482.4917</b>	<b>9.2817</b>	<b>593.3832</b>	<b>1.0315</b>	<b>79.8639</b>	<b>79.8639</b>	<b>79.8639</b>	<b>79.8639</b>	<b>79.8639</b>	<b>79.8639</b>	<b>8,359,291 0</b>	<b>3,550,561 8</b>	<b>11,909,85 27</b>	<b>7.7570</b>	<b>0.6575</b>	<b>12,299.71 94</b>

San Dieguito 15, UM - San Diego County, Winter

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	1.4092					0.0000	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			0.0000
Hearth	460.6489	8.9959	568.6210	1.0302		79.7261	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	0.1379		44.7970	44.7970	0.0428		45.8664
<b>Total</b>	<b>482.4917</b>	<b>9.2817</b>	<b>593.3832</b>	<b>1.0315</b>		<b>79.8639</b>	<b>79.8639</b>	<b>79.8639</b>	<b>79.8639</b>	<b>79.8639</b>	<b>8,359.2910</b>	<b>3,550.5618</b>	<b>11,909.8527</b>	<b>7.7570</b>	<b>0.6575</b>	<b>12,299.7194</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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

Year	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>9</sub>	6,412.893 <sub>9</sub>	1.9498	0.0000	6,461.639 <sub>2</sub>
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 <sub>0</sub>	7,174.215 <sub>0</sub>	1.9479	0.0000	7,197.220 <sub>8</sub>
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 <sub>1</sub>	7,057.500 <sub>1</sub>	0.8941	0.0000	7,079.852 <sub>1</sub>
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 <sub>3</sub>	6,972.079 <sub>3</sub>	0.8742	0.0000	6,993.933 <sub>1</sub>
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 <sub>8</sub>	6,883.341 <sub>8</sub>	0.8592	0.0000	6,904.821 <sub>7</sub>
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 <sub>9</sub>	6,753.688 <sub>9</sub>	0.8331	0.0000	6,774.515 <sub>8</sub>
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 <sub>9</sub>	6,674.225 <sub>9</sub>	0.8238	0.0000	6,694.819 <sub>6</sub>
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 <sub>7</sub>	6,596.687 <sub>7</sub>	0.8153	0.0000	6,617.069 <sub>2</sub>
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 <sub>9</sub>	6,527.606 <sub>9</sub>	0.8108	0.0000	6,547.877 <sub>1</sub>
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 <sub>0</sub>	6,466.174 <sub>0</sub>	0.8070	0.0000	6,486.347 <sub>9</sub>
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 <sub>1</sub>	6,412.855 <sub>1</sub>	0.8036	0.0000	6,432.944 <sub>3</sub>
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 <sub>0</sub>	6,364.885 <sub>0</sub>	0.8007	0.0000	6,384.903 <sub>2</sub>
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 <sub>8</sub>	6,664.446 <sub>8</sub>	0.3134	0.0000	6,672.282 <sub>7</sub>
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 <sub>8</sub>	6,628.419 <sub>8</sub>	0.3111	0.0000	6,636.196 <sub>7</sub>
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 <sub>8</sub>	2,736.853 <sub>8</sub>	0.1261	0.0000	2,740.005 <sub>6</sub>
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
<b>Maximum</b>	<b>23.6110</b>	<b>59.5906</b>	<b>35.7388</b>	<b>0.0710</b>	<b>18.2141</b>	<b>2.6349</b>	<b>20.7921</b>	<b>9.9699</b>	<b>2.4241</b>	<b>12.3416</b>	<b>0.0000</b>	<b>7,174.215<sub>0</sub></b>	<b>7,174.215<sub>0</sub></b>	<b>1.9498</b>	<b>0.0000</b>	<b>7,197.220<sub>8</sub></b>

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

Year	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>9</sub>	6,412.893 <sub>9</sub>	1.9498	0.0000	6,461.639 <sub>2</sub>
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 <sub>0</sub>	7,174.215 <sub>0</sub>	1.9479	0.0000	7,197.220 <sub>8</sub>
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 <sub>1</sub>	7,057.500 <sub>1</sub>	0.8941	0.0000	7,079.852 <sub>0</sub>
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 <sub>3</sub>	6,972.079 <sub>3</sub>	0.8742	0.0000	6,993.933 <sub>1</sub>
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 <sub>8</sub>	6,883.341 <sub>8</sub>	0.8592	0.0000	6,904.821 <sub>7</sub>
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 <sub>9</sub>	6,753.688 <sub>9</sub>	0.8331	0.0000	6,774.515 <sub>8</sub>
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 <sub>9</sub>	6,674.225 <sub>9</sub>	0.8238	0.0000	6,694.819 <sub>6</sub>
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 <sub>7</sub>	6,596.687 <sub>7</sub>	0.8153	0.0000	6,617.069 <sub>2</sub>
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 <sub>9</sub>	6,527.606 <sub>9</sub>	0.8108	0.0000	6,547.877 <sub>1</sub>
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 <sub>0</sub>	6,466.174 <sub>0</sub>	0.8070	0.0000	6,486.347 <sub>9</sub>
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 <sub>1</sub>	6,412.855 <sub>1</sub>	0.8036	0.0000	6,432.944 <sub>3</sub>
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 <sub>0</sub>	6,364.885 <sub>0</sub>	0.8007	0.0000	6,384.903 <sub>2</sub>
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 <sub>8</sub>	6,664.446 <sub>8</sub>	0.3134	0.0000	6,672.282 <sub>7</sub>
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 <sub>8</sub>	6,628.419 <sub>8</sub>	0.3111	0.0000	6,636.196 <sub>7</sub>
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 <sub>8</sub>	2,736.853 <sub>8</sub>	0.1261	0.0000	2,740.005 <sub>6</sub>
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
<b>Maximum</b>	<b>23.6110</b>	<b>59.5906</b>	<b>35.7388</b>	<b>0.0710</b>	<b>18.2141</b>	<b>2.6349</b>	<b>20.7921</b>	<b>9.9699</b>	<b>2.4241</b>	<b>12.3416</b>	<b>0.0000</b>	<b>7,174.215<sub>0</sub></b>	<b>7,174.215<sub>0</sub></b>	<b>1.9498</b>	<b>0.0000</b>	<b>7,197.220<sub>8</sub></b>



San Dieguito 15, M - San Diego County, Winter

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	22.4271	5.2788	26.8869	0.0332		0.5415	0.5415	0.5415	0.5415	0.5415	0.0000	6,418.9147	6,418.9147	0.1649	0.1169	6,457.8622
Energy	0.4800	4.2252	2.6517	0.0262		0.3316	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
<b>Total</b>	<b>28.4417</b>	<b>40.5046</b>	<b>98.1116</b>	<b>0.3829</b>	<b>40.1382</b>	<b>0.9929</b>	<b>41.1311</b>	<b>10.7275</b>	<b>0.9847</b>	<b>11.7122</b>	<b>0.0000</b>	<b>45,033.4295</b>	<b>45,033.4295</b>	<b>1.8631</b>	<b>0.2129</b>	<b>45,143.4369</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	22.4271	5.2788	26.8869	0.0332		0.5415	0.5415	0.5415	0.5415	0.5415	0.0000	6,418.9147	6,418.9147	0.1649	0.1169	6,457.8622
Energy	0.4800	4.2252	2.6517	0.0262		0.3316	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
<b>Total</b>	<b>28.4417</b>	<b>40.5046</b>	<b>98.1116</b>	<b>0.3829</b>	<b>40.1382</b>	<b>0.9929</b>	<b>41.1311</b>	<b>10.7275</b>	<b>0.9847</b>	<b>11.7122</b>	<b>0.0000</b>	<b>45,033.4295</b>	<b>45,033.4295</b>	<b>1.8631</b>	<b>0.2129</b>	<b>45,143.4369</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

San Dieguito 15, M - San Diego County, Winter

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0866</b>	<b>0.0620</b>	<b>0.5845</b>	<b>1.5200e-003</b>	<b>0.1479</b>	<b>1.0600e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.8000e-004</b>	<b>0.0402</b>		<b>151.6189</b>	<b>151.6189</b>	<b>5.2500e-003</b>		<b>151.7503</b>

San Dieguito 15, M - San Diego County, Winter

**3.3 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>		<b>168.4655</b>	<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

San Dieguito 15, M - San Diego County, Winter

**3.3 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.8400e-003		168.6114
<b>Total</b>	<b>0.0962</b>	<b>0.0689</b>	<b>0.6495</b>	<b>1.6900e-003</b>	<b>0.1643</b>	<b>1.1800e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0900e-003</b>	<b>0.0447</b>			<b>168.4655</b>	<b>5.8400e-003</b>		<b>168.6114</b>

San Dieguito 15, M - San Diego County, Winter

**3.3 Grading - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.3827	2.1920	2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
<b>Total</b>	<b>4.7389</b>	<b>54.5202</b>	<b>33.3768</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.3827</b>	<b>11.0560</b>	<b>3.5965</b>	<b>2.1920</b>	<b>5.7885</b>		<b>6,140.0195</b>	<b>6,140.0195</b>	<b>1.9426</b>		<b>6,188.5854</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0888</b>	<b>0.0616</b>	<b>0.5848</b>	<b>1.6400e-003</b>	<b>0.1643</b>	<b>1.1700e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>163.3828</b>	<b>163.3828</b>	<b>5.2700e-003</b>		<b>163.5146</b>

San Dieguito 15, M - San Diego County, Winter

**3.3 Grading - 2019**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	5.2700e-003		163.5146
<b>Total</b>	<b>0.0888</b>	<b>0.0616</b>	<b>0.5848</b>	<b>1.6400e-003</b>	<b>0.1643</b>	<b>1.1700e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>			<b>163.3828</b>	<b>5.2700e-003</b>		<b>163.5146</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2019**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	2,591.580 2	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.4682</b>	<b>12.3690</b>	<b>10.0319</b>	<b>0.0441</b>	<b>2.5175</b>	<b>0.0959</b>	<b>2.6135</b>	<b>0.6822</b>	<b>0.0913</b>	<b>0.7735</b>	<b>4,582.634 9</b>	<b>4,582.634 9</b>	<b>4,582.634 9</b>	<b>0.2889</b>		<b>4,589.857 4</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2019**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	2.3612	21.0788	17.1638	0.0269	1.2899	1.2899	1.2899	1.2127	1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2899</b>	<b>1.2127</b>	<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.580 2</b>	<b>2,591.580 2</b>	<b>0.6313</b>		<b>2,607.363 5</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.4682</b>	<b>12.3690</b>	<b>10.0319</b>	<b>0.0441</b>	<b>2.5175</b>	<b>0.0959</b>	<b>2.6135</b>	<b>0.6822</b>	<b>0.0913</b>	<b>0.7735</b>		<b>4,582.634 9</b>	<b>4,582.634 9</b>	<b>0.2889</b>		<b>4,589.857 4</b>



San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2020**  
Unmitigated Construction On-Site

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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		2,692.7448	2,692.7448	0.2167		2,698.1618
Worker	0.9517	0.6357	6.1200	0.0182	1.8812	0.0132	1.8944	0.4990	0.0122	0.5111		1,811.6922	1,811.6922	0.0546		1,813.0558
<b>Total</b>	<b>1.3196</b>	<b>11.2264</b>	<b>9.1167</b>	<b>0.0433</b>	<b>2.5175</b>	<b>0.0660</b>	<b>2.5836</b>	<b>0.6822</b>	<b>0.0627</b>	<b>0.7449</b>		<b>4,504.4370</b>	<b>4,504.4370</b>	<b>0.2712</b>		<b>4,511.2176</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2020**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	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			2,692.7448	0.2167		2,698.1618
Worker	0.9517	0.6357	6.1200	0.0182	1.8812	0.0132	1.8944	0.4990	0.0122	0.5111			1,811.6922	0.0546		1,813.0558
<b>Total</b>	<b>1.3196</b>	<b>11.2264</b>	<b>9.1167</b>	<b>0.0433</b>	<b>2.5175</b>	<b>0.0660</b>	<b>2.5836</b>	<b>0.6822</b>	<b>0.0627</b>	<b>0.7449</b>			<b>4,504.4370</b>	<b>0.2712</b>		<b>4,511.2176</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2021**  
Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.1979</b>	<b>10.1241</b>	<b>8.4256</b>	<b>0.0424</b>	<b>2.5175</b>	<b>0.0339</b>	<b>2.5514</b>	<b>0.6822</b>	<b>0.0320</b>	<b>0.7141</b>	<b>4,418.7154</b>	<b>4,418.7154</b>	<b>4,418.7154</b>	<b>0.2581</b>		<b>4,425.1688</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2021**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.1979</b>	<b>10.1241</b>	<b>8.4256</b>	<b>0.0424</b>	<b>2.5175</b>	<b>0.0339</b>	<b>2.5514</b>	<b>0.6822</b>	<b>0.0320</b>	<b>0.7141</b>		<b>4,418.7154</b>	<b>4,418.7154</b>	<b>0.2581</b>		<b>4,425.1688</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2022**  
Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.1299</b>	<b>9.5419</b>	<b>7.8696</b>	<b>0.0415</b>	<b>2.5175</b>	<b>0.0307</b>	<b>2.5483</b>	<b>0.6822</b>	<b>0.0290</b>	<b>0.7111</b>		<b>4,329.0082</b>	<b>4,329.0082</b>	<b>0.2473</b>		<b>4,335.1895</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2022**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.1299</b>	<b>9.5419</b>	<b>7.8696</b>	<b>0.0415</b>	<b>2.5175</b>	<b>0.0307</b>	<b>2.5483</b>	<b>0.6822</b>	<b>0.0290</b>	<b>0.7111</b>		<b>4,329.0082</b>	<b>4,329.0082</b>	<b>0.2473</b>		<b>4,335.1895</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.0234</b>	<b>7.5704</b>	<b>7.2335</b>	<b>0.0401</b>	<b>2.5175</b>	<b>0.0213</b>	<b>2.5388</b>	<b>0.6822</b>	<b>0.0199</b>	<b>0.7021</b>		<b>4,198.4790</b>	<b>4,198.4790</b>	<b>0.2252</b>		<b>4,204.1098</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2023**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>1.0234</b>	<b>7.5704</b>	<b>7.2335</b>	<b>0.0401</b>	<b>2.5175</b>	<b>0.0213</b>	<b>2.5388</b>	<b>0.6822</b>	<b>0.0199</b>	<b>0.7021</b>		<b>4,198.4790</b>	<b>4,198.4790</b>	<b>0.2252</b>		<b>4,204.1098</b>



San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2024**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.9775</b>	<b>7.4317</b>	<b>6.8332</b>	<b>0.0393</b>	<b>2.5175</b>	<b>0.0208</b>	<b>2.5384</b>	<b>0.6822</b>	<b>0.0195</b>	<b>0.7016</b>		<b>4,118.5270</b>	<b>4,118.5270</b>	<b>0.2194</b>		<b>4,124.0119</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2024**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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	0.0387		1,559.3385
<b>Total</b>	<b>0.9775</b>	<b>7.4317</b>	<b>6.8332</b>	<b>0.0393</b>	<b>2.5175</b>	<b>0.0208</b>	<b>2.5384</b>	<b>0.6822</b>	<b>0.0195</b>	<b>0.7016</b>			<b>4,118.5270</b>	<b>0.2194</b>		<b>4,124.0119</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2025**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,544.8308	2,544.8308	0.1787		2,549.2971
Worker	0.7367	0.4065	4.2775	0.0150	1.8812	0.0120	1.8932	0.4990	0.0111	0.5101		1,495.3826	1,495.3826	0.0357		1,496.2740
<b>Total</b>	<b>0.9379</b>	<b>7.2961</b>	<b>6.4806</b>	<b>0.0385</b>	<b>2.5175</b>	<b>0.0204</b>	<b>2.5379</b>	<b>0.6822</b>	<b>0.0190</b>	<b>0.7012</b>		<b>4,040.2133</b>	<b>4,040.2133</b>	<b>0.2143</b>		<b>4,045.5711</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2025**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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			2,544.8308	0.1787		2,549.2971
Worker	0.7367	0.4065	4.2775	0.0150	1.8812	0.0120	1.8932	0.4990	0.0111	0.5101			1,495.3826	0.0357		1,496.2740
<b>Total</b>	<b>0.9379</b>	<b>7.2961</b>	<b>6.4806</b>	<b>0.0385</b>	<b>2.5175</b>	<b>0.0204</b>	<b>2.5379</b>	<b>0.6822</b>	<b>0.0190</b>	<b>0.7012</b>			<b>4,040.2133</b>	<b>0.2143</b>		<b>4,045.5711</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2026**  
Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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		2,530.5125	2,530.5125	0.1767		2,534.9288
Worker	0.7076	0.3781	4.0186	0.0144	1.8812	0.0117	1.8929	0.4990	0.0107	0.5097		1,440.6200	1,440.6200	0.0332		1,441.4503
<b>Total</b>	<b>0.9036</b>	<b>7.1697</b>	<b>6.1893</b>	<b>0.0378</b>	<b>2.5175</b>	<b>0.0197</b>	<b>2.5372</b>	<b>0.6822</b>	<b>0.0184</b>	<b>0.7006</b>		<b>3,971.1325</b>	<b>3,971.1325</b>	<b>0.2099</b>		<b>3,976.3791</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2026**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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			2,530.5125	0.1767		2,534.9288
Worker	0.7076	0.3781	4.0186	0.0144	1.8812	0.0117	1.8929	0.4990	0.0107	0.5097			1,440.6200	0.0332		1,441.4503
<b>Total</b>	<b>0.9036</b>	<b>7.1697</b>	<b>6.1893</b>	<b>0.0378</b>	<b>2.5175</b>	<b>0.0197</b>	<b>2.5372</b>	<b>0.6822</b>	<b>0.0184</b>	<b>0.7006</b>		<b>3,971.1325</b>	<b>3,971.1325</b>	<b>0.2099</b>		<b>3,976.3791</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2027**  
Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,517.3441	2,517.3441	0.1749		2,521.7173
Worker	0.6781	0.3529	3.7892	0.0140	1.8812	0.0110	1.8922	0.4990	0.0102	0.5091		1,392.3556	1,392.3556	0.0311		1,393.1326
<b>Total</b>	<b>0.8697</b>	<b>7.0504</b>	<b>5.9325</b>	<b>0.0372</b>	<b>2.5175</b>	<b>0.0189</b>	<b>2.5364</b>	<b>0.6822</b>	<b>0.0177</b>	<b>0.6998</b>		<b>3,909.6997</b>	<b>3,909.6997</b>	<b>0.2060</b>		<b>3,914.8498</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2027**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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			2,517.3441	0.1749		2,521.7173
Worker	0.6781	0.3529	3.7892	0.0140	1.8812	0.0110	1.8922	0.4990	0.0102	0.5091			1,392.3556	0.0311		1,393.1326
<b>Total</b>	<b>0.8697</b>	<b>7.0504</b>	<b>5.9325</b>	<b>0.0372</b>	<b>2.5175</b>	<b>0.0189</b>	<b>2.5364</b>	<b>0.6822</b>	<b>0.0177</b>	<b>0.6998</b>			<b>3,909.6997</b>	<b>0.2060</b>		<b>3,914.8498</b>



San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2028**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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		2,506.3799	2,506.3799	0.1733		2,510.7134
Worker	0.6464	0.3306	3.5898	0.0135	1.8812	0.0102	1.8914	0.4990	9.4100e-003	0.5084		1,350.0008	1,350.0008	0.0293		1,350.7328
<b>Total</b>	<b>0.8346</b>	<b>6.9500</b>	<b>5.7184</b>	<b>0.0366</b>	<b>2.5175</b>	<b>0.0179</b>	<b>2.5354</b>	<b>0.6822</b>	<b>0.0167</b>	<b>0.6989</b>		<b>3,856.3807</b>	<b>3,856.3807</b>	<b>0.2026</b>		<b>3,861.4462</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2028**  
**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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			2,506.3799	0.1733		2,510.7134
Worker	0.6464	0.3306	3.5898	0.0135	1.8812	0.0102	1.8914	0.4990	9.4100e-003	0.5084			1,350.0008	0.0293		1,350.7328
<b>Total</b>	<b>0.8346</b>	<b>6.9500</b>	<b>5.7184</b>	<b>0.0366</b>	<b>2.5175</b>	<b>0.0179</b>	<b>2.5354</b>	<b>0.6822</b>	<b>0.0167</b>	<b>0.6989</b>			<b>3,856.3807</b>	<b>0.2026</b>		<b>3,861.4462</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2029**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.3674	12.4697	16.0847	0.0270	0.5276	0.5276	0.5276	0.4963	0.4963	0.4963		2,556.474 <sub>4</sub>	2,556.474 <sub>4</sub>	0.6010		2,571.498 <sub>1</sub>
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>	<b>0.4963</b>		<b>0.4963</b>		<b>2,556.474<sub>4</sub></b>	<b>2,556.474<sub>4</sub></b>	<b>0.6010</b>		<b>2,571.498<sub>1</sub></b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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 <sub>4</sub>	2,495.650 <sub>4</sub>	0.1722		2,499.954 <sub>6</sub>
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 <sub>3</sub>	1,312.760 <sub>3</sub>	0.0276		1,313.450 <sub>6</sub>
<b>Total</b>	<b>0.7968</b>	<b>6.8489</b>	<b>5.5125</b>	<b>0.0361</b>	<b>2.5175</b>	<b>0.0170</b>	<b>2.5345</b>	<b>0.6822</b>	<b>0.0159</b>	<b>0.6980</b>		<b>3,808.410<sub>6</sub></b>	<b>3,808.410<sub>6</sub></b>	<b>0.1998</b>		<b>3,813.405<sub>1</sub></b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2029**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3674	12.4697	16.0847	0.0270	0.5276	0.5276	0.5276	0.4963	0.4963	0.4963	0.0000	2,556.474 <sub>4</sub>	2,556.474 <sub>4</sub>	0.6010		2,571.498 <sub>1</sub>
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>	<b>0.5276</b>	<b>0.5276</b>	<b>0.5276</b>	<b>0.4963</b>	<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.474<sub>4</sub></b>	<b>2,556.474<sub>4</sub></b>	<b>0.6010</b>		<b>2,571.498<sub>1</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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 <sub>4</sub>	2,495.650 <sub>4</sub>	0.1722		2,499.954 <sub>6</sub>
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 <sub>3</sub>	1,312.760 <sub>3</sub>	0.0276		1,313.450 <sub>6</sub>
<b>Total</b>	<b>0.7968</b>	<b>6.8489</b>	<b>5.5125</b>	<b>0.0361</b>	<b>2.5175</b>	<b>0.0170</b>	<b>2.5345</b>	<b>0.6822</b>	<b>0.0159</b>	<b>0.6980</b>		<b>3,808.410<sub>6</sub></b>	<b>3,808.410<sub>6</sub></b>	<b>0.1998</b>		<b>3,813.405<sub>1</sub></b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2030**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.7562</b>	<b>6.7610</b>	<b>5.3234</b>	<b>0.0357</b>	<b>2.5175</b>	<b>0.0161</b>	<b>2.5336</b>	<b>0.6822</b>	<b>0.0151</b>	<b>0.6972</b>		<b>3,766.9000</b>	<b>3,766.9000</b>	<b>0.1972</b>		<b>3,771.8298</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2030**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3091	7.9346	16.1570	0.0310	0.1481	0.1481	0.1481	0.1481	0.1481	0.1481	0.0000	2.897.5468	2.897.5468	0.1162		2.900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.0000</b>	<b>2.897.5468</b>	<b>2.897.5468</b>	<b>0.1162</b>		<b>2.900.4529</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.7562</b>	<b>6.7610</b>	<b>5.3234</b>	<b>0.0357</b>	<b>2.5175</b>	<b>0.0161</b>	<b>2.5336</b>	<b>0.6822</b>	<b>0.0151</b>	<b>0.6972</b>		<b>3,766.9000</b>	<b>3,766.9000</b>	<b>0.1972</b>		<b>3,771.8298</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2031**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3091	7.9346	16.1570	0.0310	0.1481	0.1481	0.1481	0.1481	0.1481	0.1481		2.897.5468	2.897.5468	0.1162		2.900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>		<b>2.897.5468</b>	<b>2.897.5468</b>	<b>0.1162</b>		<b>2.900.4529</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.7135</b>	<b>6.6838</b>	<b>5.1446</b>	<b>0.0353</b>	<b>2.5175</b>	<b>0.0154</b>	<b>2.5329</b>	<b>0.6822</b>	<b>0.0144</b>	<b>0.6965</b>		<b>3,730.8730</b>	<b>3,730.8730</b>	<b>0.1948</b>		<b>3,735.7439</b>

San Dieguito 15, M - San Diego County, Winter

**3.4 Building Construction - 2031**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.3091	7.9346	16.1570	0.0310	0.1481	0.1481	0.1481	0.1481	0.1481	0.1481	0.0000	2.897.5468	2.897.5468	0.1162		2.900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.1481</b>	<b>0.0000</b>	<b>2.897.5468</b>	<b>2.897.5468</b>	<b>0.1162</b>		<b>2.900.4529</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.7135</b>	<b>6.6838</b>	<b>5.1446</b>	<b>0.0353</b>	<b>2.5175</b>	<b>0.0154</b>	<b>2.5329</b>	<b>0.6822</b>	<b>0.0144</b>	<b>0.6965</b>		<b>3,730.8730</b>	<b>3,730.8730</b>	<b>0.1948</b>		<b>3,735.7439</b>



San Dieguito 15, M - San Diego County, Winter

**3.5 Paving - 2031**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3845	7.1202	15.8495	0.0281	0.3306	0.3306	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			0.0000			0.0000
<b>Total</b>	<b>1.3845</b>	<b>7.1202</b>	<b>15.8495</b>	<b>0.0281</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>		<b>2.656.5168</b>	<b>2.656.5168</b>	<b>0.1245</b>		<b>2.659.6302</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0349</b>	<b>0.0178</b>	<b>0.1997</b>	<b>8.2000e-004</b>	<b>0.1232</b>	<b>5.4000e-004</b>	<b>0.1238</b>	<b>0.0327</b>	<b>4.9000e-004</b>	<b>0.0332</b>		<b>81.9663</b>	<b>81.9663</b>	<b>1.6100e-003</b>		<b>82.0066</b>

San Dieguito 15, M - San Diego County, Winter

**3.5 Paving - 2031**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3845	7.1202	15.8495	0.0281	0.3306	0.3306	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			0.0000			0.0000
<b>Total</b>	<b>1.3845</b>	<b>7.1202</b>	<b>15.8495</b>	<b>0.0281</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.0000</b>	<b>2.656.5168</b>	<b>2.656.5168</b>	<b>0.1245</b>		<b>2.659.6302</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	1.6100e-003		82.0066
<b>Total</b>	<b>0.0349</b>	<b>0.0178</b>	<b>0.1997</b>	<b>8.2000e-004</b>	<b>0.1232</b>	<b>5.4000e-004</b>	<b>0.1238</b>	<b>0.0327</b>	<b>4.9000e-004</b>	<b>0.0332</b>			<b>81.9663</b>	<b>1.6100e-003</b>		<b>82.0066</b>

San Dieguito 15, M - San Diego County, Winter

**3.5 Paving - 2032**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3845	7.1202	15.8495	0.0281	0.3306	0.3306	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			0.0000			0.0000
<b>Total</b>	<b>1.3845</b>	<b>7.1202</b>	<b>15.8495</b>	<b>0.0281</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>		<b>2.656.5168</b>	<b>2.656.5168</b>	<b>0.1245</b>		<b>2.659.6302</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0326</b>	<b>0.0168</b>	<b>0.1900</b>	<b>8.0000e-004</b>	<b>0.1232</b>	<b>5.0000e-004</b>	<b>0.1237</b>	<b>0.0327</b>	<b>4.6000e-004</b>	<b>0.0331</b>		<b>80.3371</b>	<b>80.3371</b>	<b>1.5400e-003</b>		<b>80.3755</b>

San Dieguito 15, M - San Diego County, Winter

**3.5 Paving - 2032**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.3845	7.1202	15.8495	0.0281	0.3306	0.3306	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			0.0000			0.0000
<b>Total</b>	<b>1.3845</b>	<b>7.1202</b>	<b>15.8495</b>	<b>0.0281</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.3306</b>	<b>0.0000</b>	<b>2.656.5168</b>	<b>2.656.5168</b>	<b>0.1245</b>		<b>2.659.6302</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	1.5400e-003		80.3755
<b>Total</b>	<b>0.0326</b>	<b>0.0168</b>	<b>0.1900</b>	<b>8.0000e-004</b>	<b>0.1232</b>	<b>5.0000e-004</b>	<b>0.1237</b>	<b>0.0327</b>	<b>4.6000e-004</b>	<b>0.0331</b>		<b>80.3371</b>	<b>80.3371</b>	<b>1.5400e-003</b>		<b>80.3755</b>

San Dieguito 15, M - San Diego County, Winter

**3.6 Architectural Coating - 2032**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	23.3804				0.0000	0.0000	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	0.0203	0.0203			281.4481	0.0114		281.7328
<b>Total</b>	<b>23.5112</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>			<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.7100e-003		246.4848
<b>Total</b>	<b>0.0999</b>	<b>0.0515</b>	<b>0.5828</b>	<b>2.4700e-003</b>	<b>0.3779</b>	<b>1.5400e-003</b>	<b>0.3794</b>	<b>0.1002</b>	<b>1.4100e-003</b>	<b>0.1016</b>			<b>246.3670</b>	<b>4.7100e-003</b>		<b>246.4848</b>

San Dieguito 15, M - San Diego County, Winter

**3.6 Architectural Coating - 2032**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	23.3804				0.0000	0.0000	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	0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>23.5112</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.7100e-003		246.4848
<b>Total</b>	<b>0.0999</b>	<b>0.0515</b>	<b>0.5828</b>	<b>2.4700e-003</b>	<b>0.3779</b>	<b>1.5400e-003</b>	<b>0.3794</b>	<b>0.1002</b>	<b>1.4100e-003</b>	<b>0.1016</b>			<b>246.3670</b>	<b>4.7100e-003</b>		<b>246.4848</b>

San Dieguito 15, M - San Diego County, Winter

**3.6 Architectural Coating - 2033**  
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.0203	0.0203			281.4481	0.0114		281.7328
<b>Total</b>	<b>23.5112</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>			<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.5100e-003		242.1774
<b>Total</b>	<b>0.0936</b>	<b>0.0489</b>	<b>0.5572</b>	<b>2.4200e-003</b>	<b>0.3779</b>	<b>1.4300e-003</b>	<b>0.3793</b>	<b>0.1002</b>	<b>1.3200e-003</b>	<b>0.1016</b>			<b>242.0646</b>	<b>4.5100e-003</b>		<b>242.1774</b>

San Dieguito 15, M - San Diego County, Winter

**3.6 Architectural Coating - 2033**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	23.3804				0.0000	0.0000	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	0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
<b>Total</b>	<b>23.5112</b>	<b>0.8563</b>	<b>1.7977</b>	<b>2.9700e-003</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0203</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0114</b>		<b>281.7328</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.5100e-003		242.1774
<b>Total</b>	<b>0.0936</b>	<b>0.0489</b>	<b>0.5572</b>	<b>2.4200e-003</b>	<b>0.3779</b>	<b>1.4300e-003</b>	<b>0.3793</b>	<b>0.1002</b>	<b>1.3200e-003</b>	<b>0.1016</b>			<b>242.0646</b>	<b>4.5100e-003</b>		<b>242.1774</b>

**4.0 Operational Detail - Mobile**



San Dieguito 15, M - San Diego County, Winter

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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
<b>Total</b>	<b>7,182.87</b>	<b>4,064.08</b>	<b>3,121.29</b>	<b>16,104,448</b>	<b>16,104,448</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-O or C-NW	H-S or C-C	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**

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

Land Use	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
lb/day																	
General Office Building	21009.7	0.2266	2.0598	1.7302	0.0124		0.1565	0.1565		0.1565	0.1565		2,471.731 <sub>3</sub>	2,471.731 <sub>3</sub>	0.0474	0.0453	2,486.419 <sub>6</sub>
Single Family Housing	23496.6	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.305 <sub>4</sub>	2,764.305 <sub>4</sub>	0.0530	0.0507	2,780.732 <sub>3</sub>
<b>Total</b>		<b>0.4800</b>	<b>4.2252</b>	<b>2.6517</b>	<b>0.0262</b>		<b>0.3316</b>	<b>0.3316</b>		<b>0.3316</b>	<b>0.3316</b>		<b>5,236.036<sub>7</sub></b>	<b>5,236.036<sub>7</sub></b>	<b>0.1004</b>	<b>0.0960</b>	<b>5,267.151<sub>9</sub></b>

**Mitigated**

Land Use	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
lb/day																	
General Office Building	21.0097	0.2266	2.0598	1.7302	0.0124		0.1565	0.1565		0.1565	0.1565		2,471.731 <sub>3</sub>	2,471.731 <sub>3</sub>	0.0474	0.0453	2,486.419 <sub>6</sub>
Single Family Housing	23.4966	0.2534	2.1654	0.9214	0.0138		0.1751	0.1751		0.1751	0.1751		2,764.305 <sub>4</sub>	2,764.305 <sub>4</sub>	0.0530	0.0507	2,780.732 <sub>3</sub>
<b>Total</b>		<b>0.4800</b>	<b>4.2252</b>	<b>2.6517</b>	<b>0.0262</b>		<b>0.3316</b>	<b>0.3316</b>		<b>0.3316</b>	<b>0.3316</b>		<b>5,236.036<sub>7</sub></b>	<b>5,236.036<sub>7</sub></b>	<b>0.1004</b>	<b>0.0960</b>	<b>5,267.151<sub>9</sub></b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

San Dieguito 15, M - San Diego County, Winter

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	22.4271	5.2788	26.8869	0.0332	0.5415	0.5415	0.5415	0.5415	0.5415	0.5415	0.0000	6,418.914 <sub>7</sub>	6,418.914 <sub>7</sub>	0.1649	0.1169	6,457.862 <sub>2</sub>
Unmitigated	22.4271	5.2788	26.8869	0.0332	0.5415	0.5415	0.5415	0.5415	0.5415	0.5415	0.0000	6,418.914 <sub>7</sub>	6,418.914 <sub>7</sub>	0.1649	0.1169	6,457.862 <sub>2</sub>

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	1.4092				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.5843	4.9931	2.1247	0.0319	0.4037	0.4037	0.4037	0.4037	0.4037	0.4037	0.0000	6,374.117 <sub>7</sub>	6,374.117 <sub>7</sub>	0.1222	0.1169	6,411.995 <sub>8</sub>
Landscaping	0.7430	0.2857	24.7622	1.3100e-003	0.1379	0.1379	0.1379	0.1379	0.1379	0.1379		44.7970	44.7970	0.0428		45.8664
<b>Total</b>	<b>22.4271</b>	<b>5.2788</b>	<b>26.8869</b>	<b>0.0332</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.0000</b>	<b>6,418.914<sub>7</sub></b>	<b>6,418.914<sub>7</sub></b>	<b>0.1649</b>	<b>0.1169</b>	<b>6,457.862<sub>2</sub></b>

San Dieguito 15, M - San Diego County, Winter

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	1.4092				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.5843	4.9931	2.1247	0.0319	0.4037	0.4037	0.4037	0.4037	0.4037	0.4037	0.0000	6,374.117 <sub>7</sub>	6,374.117 <sub>7</sub>	0.1222	0.1169	6,411.995 <sub>8</sub>
Landscaping	0.7430	0.2857	24.7622	1.3100e-003	0.1379	0.1379	0.1379	0.1379	0.1379	0.1379		44.7970	44.7970	0.0428		45.8664
<b>Total</b>	<b>22.4271</b>	<b>5.2788</b>	<b>26.8869</b>	<b>0.0332</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.5415</b>	<b>0.0000</b>	<b>6,418.914<sub>7</sub></b>	<b>6,418.914<sub>7</sub></b>	<b>0.1649</b>	<b>0.1169</b>	<b>6,457.862<sub>2</sub></b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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**

lb/day																
Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>9</sub>	6,520.851 <sub>9</sub>	1.9532	0.0000	6,569.681 <sub>4</sub>
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 <sub>8</sub>	2,375.003 <sub>8</sub>	0.7180	0.0000	2,392.954 <sub>1</sub>
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 <sub>1</sub>	2,367.423 <sub>1</sub>	0.7175	0.0000	2,385.359 <sub>2</sub>
<b>Maximum</b>	<b>26.1465</b>	<b>59.6127</b>	<b>36.0959</b>	<b>0.0648</b>	<b>18.2962</b>	<b>2.6355</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.4247</b>	<b>12.3639</b>	<b>0.0000</b>	<b>6,520.851<sub>9</sub></b>	<b>6,520.851<sub>9</sub></b>	<b>1.9532</b>	<b>0.0000</b>	<b>6,569.681<sub>4</sub></b>

**Mitigated Construction**

lb/day																
Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>9</sub>	6,520.851 <sub>9</sub>	1.9532	0.0000	6,569.681 <sub>4</sub>
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 <sub>8</sub>	2,375.003 <sub>8</sub>	0.7180	0.0000	2,392.954 <sub>1</sub>
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 <sub>1</sub>	2,367.423 <sub>1</sub>	0.7175	0.0000	2,385.359 <sub>2</sub>
<b>Maximum</b>	<b>26.1465</b>	<b>59.6127</b>	<b>36.0959</b>	<b>0.0648</b>	<b>18.2962</b>	<b>2.6355</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.4247</b>	<b>12.3639</b>	<b>0.0000</b>	<b>6,520.851<sub>9</sub></b>	<b>6,520.851<sub>9</sub></b>	<b>1.9532</b>	<b>0.0000</b>	<b>6,569.681<sub>4</sub></b>



Valley Center 7+, UM - San Diego County, Summer

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	398.3377	7.8012	498.7250	0.8670	67.1280	67.1280	67.1280	67.1280	67.1280	67.1280	7,026.247 9	2,984.289 6	10,010.53 75	6.5198	0.5527	10,338.22 82
Energy	0.2775	2.3716	1.0092	0.0151	0.1917	0.1917	0.1917	0.1917	0.1917	0.1917	3,027.551 7	3,027.551 7	3,027.551 7	0.0580	0.0555	3,045.542 9
Mobile	2.4864	12.7376	34.0845	0.1712	20.6781	0.0594	20.7375	5.5265	0.0554	5.5819	17,628.70 06	17,628.70 06	17,628.70 06	0.7735		17,648.03 75
<b>Total</b>	<b>401.1016</b>	<b>22.9104</b>	<b>533.8187</b>	<b>1.0533</b>	<b>20.6781</b>	<b>67.3792</b>	<b>88.0573</b>	<b>5.5265</b>	<b>67.3751</b>	<b>72.9017</b>	<b>7,026.247 9</b>	<b>23,640.54 19</b>	<b>30,666.78 98</b>	<b>7.3513</b>	<b>0.6082</b>	<b>31,031.80 87</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	398.3377	7.8012	498.7250	0.8670	67.1280	67.1280	67.1280	67.1280	67.1280	67.1280	7,026.247 9	2,984.289 6	10,010.53 75	6.5198	0.5527	10,338.22 82
Energy	0.2775	2.3716	1.0092	0.0151	0.1917	0.1917	0.1917	0.1917	0.1917	0.1917	3,027.551 7	3,027.551 7	3,027.551 7	0.0580	0.0555	3,045.542 9
Mobile	2.4864	12.7376	34.0845	0.1712	20.6781	0.0594	20.7375	5.5265	0.0554	5.5819	17,628.70 06	17,628.70 06	17,628.70 06	0.7735		17,648.03 75
<b>Total</b>	<b>401.1016</b>	<b>22.9104</b>	<b>533.8187</b>	<b>1.0533</b>	<b>20.6781</b>	<b>67.3792</b>	<b>88.0573</b>	<b>5.5265</b>	<b>67.3751</b>	<b>72.9017</b>	<b>7,026.247 9</b>	<b>23,640.54 19</b>	<b>30,666.78 98</b>	<b>7.3513</b>	<b>0.6082</b>	<b>31,031.80 87</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	25.9050				0.0000	0.0000	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	0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>26.0759</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0706</b>	<b>0.0425</b>	<b>0.5319</b>	<b>1.9300e-003</b>	<b>0.2299</b>	<b>1.4100e-003</b>	<b>0.2313</b>	<b>0.0610</b>	<b>1.3000e-003</b>	<b>0.0623</b>		<b>192.8135</b>	<b>192.8135</b>	<b>4.4800e-003</b>		<b>192.9256</b>

Valley Center 7+, UM - San Diego County, Summer

**3.2 Architectural Coating - 2025**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	25.9050					0.0000	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	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>26.0759</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.4800e-003		192.9256
<b>Total</b>	<b>0.0706</b>	<b>0.0425</b>	<b>0.5319</b>	<b>1.9300e-003</b>	<b>0.2299</b>	<b>1.4100e-003</b>	<b>0.2313</b>	<b>0.0610</b>	<b>1.3000e-003</b>	<b>0.0623</b>			<b>192.8135</b>	<b>4.4800e-003</b>		<b>192.9256</b>

Valley Center 7+, UM - San Diego County, Summer

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

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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 <sub>8</sub>	1,257.726 <sub>8</sub>	0.0419		1,258.773 <sub>7</sub>
<b>Total</b>	<b>0.6664</b>	<b>3.8004</b>	<b>5.4752</b>	<b>0.0196</b>	<b>1.3277</b>	<b>0.0334</b>	<b>1.3610</b>	<b>0.3558</b>	<b>0.0316</b>	<b>0.3875</b>		<b>2,001.444<sub>9</sub></b>	<b>2,001.444<sub>9</sub></b>	<b>0.1027</b>		<b>2,004.013<sub>3</sub></b>



Valley Center 7+, UM - San Diego County, Summer

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	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 <sub>8</sub>	1,257.726 <sub>8</sub>	0.0419		1,258.773 <sub>7</sub>
<b>Total</b>	<b>0.6664</b>	<b>3.8004</b>	<b>5.4752</b>	<b>0.0196</b>	<b>1.3277</b>	<b>0.0334</b>	<b>1.3610</b>	<b>0.3558</b>	<b>0.0316</b>	<b>0.3875</b>		<b>2,001.444<sub>9</sub></b>	<b>2,001.444<sub>9</sub></b>	<b>0.1027</b>		<b>2,004.013<sub>3</sub></b>

Valley Center 7+, UM - San Diego County, Summer

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1178</b>	<b>0.0910</b>	<b>1.0065</b>	<b>2.7800e-003</b>	<b>0.2555</b>	<b>1.7700e-003</b>	<b>0.2572</b>	<b>0.0678</b>	<b>1.6300e-003</b>	<b>0.0694</b>		<b>276.4235</b>	<b>276.4235</b>	<b>9.2000e-003</b>		<b>276.6536</b>

Valley Center 7+, UM - San Diego County, Summer

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	9.2000e-003		276.6536
<b>Total</b>	<b>0.1178</b>	<b>0.0910</b>	<b>1.0065</b>	<b>2.7800e-003</b>	<b>0.2555</b>	<b>1.7700e-003</b>	<b>0.2572</b>	<b>0.0678</b>	<b>1.6300e-003</b>	<b>0.0694</b>			<b>276.4235</b>	<b>9.2000e-003</b>		<b>276.6536</b>

Valley Center 7+, UM - San Diego County, Summer

**3.5 Paving - 2024**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.4685	0.4685	0.4310	0.4310	0.4310		2,207.547 <sub>2</sub>	2,207.547 <sub>2</sub>	0.7140		2,225.396 <sub>3</sub>
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9882</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>	<b>0.4685</b>	<b>0.4685</b>	<b>0.4685</b>	<b>0.4310</b>	<b>0.4310</b>	<b>0.4310</b>		<b>2,207.547<sub>2</sub></b>	<b>2,207.547<sub>2</sub></b>	<b>0.7140</b>		<b>2,225.396<sub>3</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0616</b>	<b>0.0384</b>	<b>0.4743</b>	<b>1.6800e-003</b>	<b>0.1916</b>	<b>1.2000e-003</b>	<b>0.1928</b>	<b>0.0508</b>	<b>1.1000e-003</b>	<b>0.0519</b>		<b>167.4566</b>	<b>167.4566</b>	<b>4.0500e-003</b>		<b>167.5578</b>

Valley Center 7+, UM - San Diego County, Summer

**3.5 Paving - 2024**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.4685	0.4685	0.4310	0.4310	0.4310	0.0000	2,207.547 <sub>2</sub>	2,207.547 <sub>2</sub>	0.7140		2,225.396 <sub>3</sub>
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9882</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>	<b>0.4685</b>	<b>0.4685</b>	<b>0.4685</b>	<b>0.4310</b>	<b>0.4310</b>	<b>0.4310</b>	<b>0.0000</b>	<b>2,207.547<sub>2</sub></b>	<b>2,207.547<sub>2</sub></b>	<b>0.7140</b>		<b>2,225.396<sub>3</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.0500e-003		167.5578
<b>Total</b>	<b>0.0616</b>	<b>0.0384</b>	<b>0.4743</b>	<b>1.6800e-003</b>	<b>0.1916</b>	<b>1.2000e-003</b>	<b>0.1928</b>	<b>0.0508</b>	<b>1.1000e-003</b>	<b>0.0519</b>		<b>167.4566</b>	<b>167.4566</b>	<b>4.0500e-003</b>		<b>167.5578</b>

Valley Center 7+, UM - San Diego County, Summer

**3.5 Paving - 2025**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	0.9152	8.5816	14.5780	0.0228	0.4185	0.4185	0.4185	0.3850	0.3850	0.3850		2,206.745 <sub>2</sub>	2,206.745 <sub>2</sub>	0.7137		2,224.587 <sub>8</sub>
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>	<b>0.4185</b>	<b>0.4185</b>	<b>0.4185</b>	<b>0.3850</b>	<b>0.3850</b>	<b>0.3850</b>		<b>2,206.745<sub>2</sub></b>	<b>2,206.745<sub>2</sub></b>	<b>0.7137</b>		<b>2,224.587<sub>8</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0588</b>	<b>0.0354</b>	<b>0.4433</b>	<b>1.6100e-003</b>	<b>0.1916</b>	<b>1.1800e-003</b>	<b>0.1928</b>	<b>0.0508</b>	<b>1.0800e-003</b>	<b>0.0519</b>		<b>160.6779</b>	<b>160.6779</b>	<b>3.7400e-003</b>		<b>160.7714</b>

Valley Center 7+, UM - San Diego County, Summer

**3.5 Paving - 2025**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	0.9152	8.5816	14.5780	0.0228	0.4185	0.4185	0.4185	0.3850	0.3850	0.3850	0.0000	2,206.745 <sub>2</sub>	2,206.745 <sub>2</sub>	0.7137		2,224.587 <sub>8</sub>
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>	<b>0.4185</b>	<b>0.4185</b>	<b>0.4185</b>	<b>0.3850</b>	<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.745<sub>2</sub></b>	<b>2,206.745<sub>2</sub></b>	<b>0.7137</b>		<b>2,224.587<sub>8</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	3.7400e-003		160.7714
<b>Total</b>	<b>0.0588</b>	<b>0.0354</b>	<b>0.4433</b>	<b>1.6100e-003</b>	<b>0.1916</b>	<b>1.1800e-003</b>	<b>0.1928</b>	<b>0.0508</b>	<b>1.0800e-003</b>	<b>0.0519</b>		<b>160.6779</b>	<b>160.6779</b>	<b>3.7400e-003</b>		<b>160.7714</b>

Valley Center 7+, UM - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.5769	2.3708	2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1060</b>	<b>0.0819</b>	<b>0.9058</b>	<b>2.5000e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>248.7811</b>	<b>248.7811</b>	<b>8.2800e-003</b>		<b>248.9882</b>



Valley Center 7+, UM - San Diego County, Summer

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	8.2800e-003		248.9882
<b>Total</b>	<b>0.1060</b>	<b>0.0819</b>	<b>0.9058</b>	<b>2.5000e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>			<b>248.7811</b>	<b>8.2800e-003</b>		<b>248.9882</b>

**4.0 Operational Detail - Mobile**

Valley Center 7+, UM - San Diego County, Summer

**4.1 Mitigation Measures Mobile**

Category	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	2.4864	12.7376	34.0845	0.1712	20.6781	0.0594	20.7375	5.5265	0.0554	5.5819	17,628.70 06	17,628.70 06	17,628.70 06	0.7735		17,648.03 75
Unmitigated	2.4864	12.7376	34.0845	0.1712	20.6781	0.0594	20.7375	5.5265	0.0554	5.5819	17,628.70 06	17,628.70 06	17,628.70 06	0.7735		17,648.03 75

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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	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**

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
NaturalGas Mitigated	0.2775	2.3716	1.0092	0.0151		0.1917	0.1917		0.1917	0.1917		3.027.5517	3.027.5517	0.0680	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	0.0680	0.0555		3.045.5429

Valley Center 7+, UM - San Diego County, Summer

**5.2 Energy by Land Use - NaturalGas**

Unmitigated

Land Use	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
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
<b>Total</b>		<b>0.2775</b>	<b>2.3716</b>	<b>1.0092</b>	<b>0.0151</b>		<b>0.1917</b>	<b>0.1917</b>		<b>0.1917</b>	<b>0.1917</b>		<b>3.027.5517</b>	<b>3.027.5517</b>	<b>0.0580</b>	<b>0.0555</b>	<b>3,045.5429</b>

Mitigated

Land Use	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
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
<b>Total</b>		<b>0.2775</b>	<b>2.3716</b>	<b>1.0092</b>	<b>0.0151</b>		<b>0.1917</b>	<b>0.1917</b>		<b>0.1917</b>	<b>0.1917</b>		<b>3.027.5517</b>	<b>3.027.5517</b>	<b>0.0580</b>	<b>0.0555</b>	<b>3,045.5429</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Valley Center 7+, UM - San Diego County, Summer

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	398.3377	7.8012	498.7250	0.8670	67.1280	67.1280	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	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

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.7807				0.0000	0.0000	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			0.0000			0.0000
Hearth	387.1899	7.5614	477.9439	0.8659	67.0123	67.0123	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	0.1158	0.1158		37.5837	37.5837	0.0358		38.4781
<b>Total</b>	<b>398.3377</b>	<b>7.8012</b>	<b>498.7250</b>	<b>0.8670</b>	<b>67.1280</b>	<b>67.1280</b>	<b>67.1280</b>	<b>67.1280</b>	<b>67.1280</b>	<b>67.1280</b>	<b>7,026.2479</b>	<b>2,984.2896</b>	<b>10,010.5375</b>	<b>6.5198</b>	<b>0.5527</b>	<b>10,338.2282</b>

Valley Center 7+, UM - San Diego County, Summer

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.7807					0.0000	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			0.0000
Hearth	387.1899	7.5614	477.9439	0.8659	67.0123	67.0123	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	0.1158	0.1158		37.5837	37.5837	0.0358		38.4781
<b>Total</b>	<b>398.3377</b>	<b>7.8012</b>	<b>498.7250</b>	<b>0.8670</b>	<b>67.1280</b>	<b>67.1280</b>	<b>67.1280</b>	<b>67.1280</b>	<b>67.1280</b>	<b>67.1280</b>	<b>7,026.2479</b>	<b>2,984.2896</b>	<b>10,010.5375</b>	<b>6.5198</b>	<b>0.5527</b>	<b>10,338.2282</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

Year	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>9</sub>	6,520.851 <sub>9</sub>	1.9532	0.0000	6,569.681 <sub>4</sub>
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 <sub>8</sub>	2,375.003 <sub>8</sub>	0.7180	0.0000	2,392.954 <sub>1</sub>
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 <sub>1</sub>	2,367.423 <sub>1</sub>	0.7175	0.0000	2,385.359 <sub>2</sub>
<b>Maximum</b>	<b>26.1465</b>	<b>59.6127</b>	<b>36.0959</b>	<b>0.0648</b>	<b>18.2962</b>	<b>2.6355</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.4247</b>	<b>12.3639</b>	<b>0.0000</b>	<b>6,520.851<sub>9</sub></b>	<b>6,520.851<sub>9</sub></b>	<b>1.9532</b>	<b>0.0000</b>	<b>6,569.681<sub>4</sub></b>

**Mitigated Construction**

Year	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>9</sub>	6,520.851 <sub>9</sub>	1.9532	0.0000	6,569.681 <sub>4</sub>
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 <sub>8</sub>	2,375.003 <sub>8</sub>	0.7180	0.0000	2,392.954 <sub>1</sub>
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 <sub>1</sub>	2,367.423 <sub>1</sub>	0.7175	0.0000	2,385.359 <sub>2</sub>
<b>Maximum</b>	<b>26.1465</b>	<b>59.6127</b>	<b>36.0959</b>	<b>0.0648</b>	<b>18.2962</b>	<b>2.6355</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.4247</b>	<b>12.3639</b>	<b>0.0000</b>	<b>6,520.851<sub>9</sub></b>	<b>6,520.851<sub>9</sub></b>	<b>1.9532</b>	<b>0.0000</b>	<b>6,569.681<sub>4</sub></b>



Valley Center 7+, M - San Diego County, Summer

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	11.6389	4.4367	22.5670	0.0279	0.4551	0.4551	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	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
<b>Total</b>	<b>14.4028</b>	<b>19.5458</b>	<b>57.6607</b>	<b>0.2142</b>	<b>20.6781</b>	<b>0.7062</b>	<b>21.3844</b>	<b>5.5265</b>	<b>0.7022</b>	<b>6.2287</b>	<b>0.0000</b>	<b>26,051.4831</b>	<b>26,051.4831</b>	<b>0.9700</b>	<b>0.1537</b>	<b>26,121.5434</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	11.6389	4.4367	22.5670	0.0279	0.4551	0.4551	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	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
<b>Total</b>	<b>14.4028</b>	<b>19.5458</b>	<b>57.6607</b>	<b>0.2142</b>	<b>20.6781</b>	<b>0.7062</b>	<b>21.3844</b>	<b>5.5265</b>	<b>0.7022</b>	<b>6.2287</b>	<b>0.0000</b>	<b>26,051.4831</b>	<b>26,051.4831</b>	<b>0.9700</b>	<b>0.1537</b>	<b>26,121.5434</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	25.9050				0.0000	0.0000	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	0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>26.0759</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0706</b>	<b>0.0425</b>	<b>0.5319</b>	<b>1.9300e-003</b>	<b>0.2299</b>	<b>1.4100e-003</b>	<b>0.2313</b>	<b>0.0610</b>	<b>1.3000e-003</b>	<b>0.0623</b>		<b>192.8135</b>	<b>192.8135</b>	<b>4.4800e-003</b>		<b>192.9256</b>



Valley Center 7+, M - San Diego County, Summer

**3.2 Architectural Coating - 2025**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	25.9050					0.0000	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	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>26.0759</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.4800e-003		192.9256
<b>Total</b>	<b>0.0706</b>	<b>0.0425</b>	<b>0.5319</b>	<b>1.9300e-003</b>	<b>0.2299</b>	<b>1.4100e-003</b>	<b>0.2313</b>	<b>0.0610</b>	<b>1.3000e-003</b>	<b>0.0623</b>			<b>192.8135</b>	<b>4.4800e-003</b>		<b>192.9256</b>

Valley Center 7+, M - San Diego County, Summer

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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 <sub>8</sub>	1,257.726 <sub>8</sub>	0.0419		1,258.773 <sub>7</sub>
<b>Total</b>	<b>0.6664</b>	<b>3.8004</b>	<b>5.4752</b>	<b>0.0196</b>	<b>1.3277</b>	<b>0.0334</b>	<b>1.3610</b>	<b>0.3558</b>	<b>0.0316</b>	<b>0.3875</b>		<b>2,001.444<sub>9</sub></b>	<b>2,001.444<sub>9</sub></b>	<b>0.1027</b>		<b>2,004.013<sub>3</sub></b>

Valley Center 7+, M - San Diego County, Summer

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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 <sub>8</sub>	1,257.726 <sub>8</sub>	0.0419		1,258.773 <sub>7</sub>
<b>Total</b>	<b>0.6664</b>	<b>3.8004</b>	<b>5.4752</b>	<b>0.0196</b>	<b>1.3277</b>	<b>0.0334</b>	<b>1.3610</b>	<b>0.3558</b>	<b>0.0316</b>	<b>0.3875</b>		<b>2,001.444<sub>9</sub></b>	<b>2,001.444<sub>9</sub></b>	<b>0.1027</b>		<b>2,004.013<sub>3</sub></b>

Valley Center 7+, M - San Diego County, Summer

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1178</b>	<b>0.0910</b>	<b>1.0065</b>	<b>2.7800e-003</b>	<b>0.2555</b>	<b>1.7700e-003</b>	<b>0.2572</b>	<b>0.0678</b>	<b>1.6300e-003</b>	<b>0.0694</b>		<b>276.4235</b>	<b>276.4235</b>	<b>9.2000e-003</b>		<b>276.6536</b>

Valley Center 7+, M - San Diego County, Summer

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	9.2000e-003		276.6536
<b>Total</b>	<b>0.1178</b>	<b>0.0910</b>	<b>1.0065</b>	<b>2.7800e-003</b>	<b>0.2555</b>	<b>1.7700e-003</b>	<b>0.2572</b>	<b>0.0678</b>	<b>1.6300e-003</b>	<b>0.0694</b>			<b>276.4235</b>	<b>9.2000e-003</b>		<b>276.6536</b>

Valley Center 7+, M - San Diego County, Summer

**3.5 Paving - 2024**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.4685	0.4685	0.4310	0.4310	0.4310		2,207.547 <sub>2</sub>	2,207.547 <sub>2</sub>	0.7140		2,225.396 <sub>3</sub>
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9882</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>	<b>0.4685</b>	<b>0.4685</b>	<b>0.4685</b>	<b>0.4310</b>	<b>0.4310</b>	<b>0.4310</b>		<b>2,207.547<sub>2</sub></b>	<b>2,207.547<sub>2</sub></b>	<b>0.7140</b>		<b>2,225.396<sub>3</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0616</b>	<b>0.0384</b>	<b>0.4743</b>	<b>1.6800e-003</b>	<b>0.1916</b>	<b>1.2000e-003</b>	<b>0.1928</b>	<b>0.0508</b>	<b>1.1000e-003</b>	<b>0.0519</b>		<b>167.4566</b>	<b>167.4566</b>	<b>4.0500e-003</b>		<b>167.5578</b>

Valley Center 7+, M - San Diego County, Summer

**3.5 Paving - 2024**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.4685	0.4685	0.4310	0.4310	0.4310	0.0000	2,207.547 <sub>2</sub>	2,207.547 <sub>2</sub>	0.7140		2,225.396 <sub>3</sub>
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9882</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>	<b>0.4685</b>	<b>0.4685</b>	<b>0.4685</b>	<b>0.4310</b>	<b>0.4310</b>	<b>0.4310</b>	<b>0.0000</b>	<b>2,207.547<sub>2</sub></b>	<b>2,207.547<sub>2</sub></b>	<b>0.7140</b>		<b>2,225.396<sub>3</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	4.0500e-003		167.5578
<b>Total</b>	<b>0.0616</b>	<b>0.0384</b>	<b>0.4743</b>	<b>1.6800e-003</b>	<b>0.1916</b>	<b>1.2000e-003</b>	<b>0.1928</b>	<b>0.0508</b>	<b>1.1000e-003</b>	<b>0.0519</b>		<b>167.4566</b>	<b>167.4566</b>	<b>4.0500e-003</b>		<b>167.5578</b>

Valley Center 7+, M - San Diego County, Summer

**3.5 Paving - 2025**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	0.9152	8.5816	14.5780	0.0228	0.4185	0.4185	0.4185	0.3850	0.3850	0.3850		2,206.745 <sub>2</sub>	2,206.745 <sub>2</sub>	0.7137		2,224.587 <sub>8</sub>
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>	<b>0.4185</b>	<b>0.4185</b>	<b>0.4185</b>	<b>0.3850</b>	<b>0.3850</b>	<b>0.3850</b>		<b>2,206.745<sub>2</sub></b>	<b>2,206.745<sub>2</sub></b>	<b>0.7137</b>		<b>2,224.587<sub>8</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0588</b>	<b>0.0354</b>	<b>0.4433</b>	<b>1.6100e-003</b>	<b>0.1916</b>	<b>1.1800e-003</b>	<b>0.1928</b>	<b>0.0508</b>	<b>1.0800e-003</b>	<b>0.0519</b>		<b>160.6779</b>	<b>160.6779</b>	<b>3.7400e-003</b>		<b>160.7714</b>



Valley Center 7+, M - San Diego County, Summer

**3.5 Paving - 2025**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	0.9152	8.5816	14.5780	0.0228	0.4185	0.4185	0.4185	0.3850	0.3850	0.3850	0.0000	2,206.745 <sub>2</sub>	2,206.745 <sub>2</sub>	0.7137		2,224.587 <sub>8</sub>
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>	<b>0.4185</b>	<b>0.4185</b>	<b>0.4185</b>	<b>0.3850</b>	<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.745<sub>2</sub></b>	<b>2,206.745<sub>2</sub></b>	<b>0.7137</b>		<b>2,224.587<sub>8</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	3.7400e-003		160.7714
<b>Total</b>	<b>0.0588</b>	<b>0.0354</b>	<b>0.4433</b>	<b>1.6100e-003</b>	<b>0.1916</b>	<b>1.1800e-003</b>	<b>0.1928</b>	<b>0.0508</b>	<b>1.0800e-003</b>	<b>0.0519</b>			<b>160.6779</b>	<b>3.7400e-003</b>		<b>160.7714</b>

Valley Center 7+, M - San Diego County, Summer

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1060</b>	<b>0.0819</b>	<b>0.9058</b>	<b>2.5000e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>248.7811</b>	<b>248.7811</b>	<b>8.2800e-003</b>		<b>248.9882</b>

Valley Center 7+, M - San Diego County, Summer

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	8.2800e-003		248.9882
<b>Total</b>	<b>0.1060</b>	<b>0.0819</b>	<b>0.9058</b>	<b>2.5000e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>			<b>248.7811</b>	<b>8.2800e-003</b>		<b>248.9882</b>

**4.0 Operational Detail - Mobile**

Valley Center 7+, M - San Diego County, Summer

**4.1 Mitigation Measures Mobile**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	2.4864	12.7376	34.0845	0.1712	20.6781	0.0594	20.7375	5.5265	0.0554	5.5819		17.628.70 06	17,628.70 06	0.7735		17,648.03 75
Unmitigated	2.4864	12.7376	34.0845	0.1712	20.6781	0.0594	20.7375	5.5265	0.0554	5.5819		17.628.70 06	17,628.70 06	0.7735		17,648.03 75

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
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	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	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	0.000799	0.000668

Valley Center 7+, M - San Diego County, Summer

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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

Land Use	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
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
<b>Total</b>		<b>0.2775</b>	<b>2.3716</b>	<b>1.0092</b>	<b>0.0151</b>		<b>0.1917</b>	<b>0.1917</b>		<b>0.1917</b>	<b>0.1917</b>		<b>3.027.5517</b>	<b>3.027.5517</b>	<b>0.0580</b>	<b>0.0555</b>	<b>3,045.5429</b>

**Mitigated**

Land Use	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
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
<b>Total</b>		<b>0.2775</b>	<b>2.3716</b>	<b>1.0092</b>	<b>0.0151</b>		<b>0.1917</b>	<b>0.1917</b>		<b>0.1917</b>	<b>0.1917</b>		<b>3.027.5517</b>	<b>3.027.5517</b>	<b>0.0580</b>	<b>0.0555</b>	<b>3,045.5429</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Valley Center 7+, M - San Diego County, Summer

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	11.6389	4.4367	22.5670	0.0279	0.4551	0.4551	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	0.4551	0.4551	0.0000	5,395.2308	5,395.2308	0.1385	0.0982	5,427.9630

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.7807				0.0000	0.0000	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			0.0000			0.0000
Hearth	0.4911	4.1968	1.7859	0.0268	0.3393	0.3393	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	0.1158	0.1158		37.5837	37.5837	0.0358		38.4781
<b>Total</b>	<b>11.6389</b>	<b>4.4367</b>	<b>22.5670</b>	<b>0.0279</b>	<b>0.4551</b>	<b>0.4551</b>	<b>0.4551</b>	<b>0.4551</b>	<b>0.4551</b>	<b>0.4551</b>	<b>0.0000</b>	<b>5,395.2308</b>	<b>5,395.2308</b>	<b>0.1385</b>	<b>0.0982</b>	<b>5,427.9630</b>

Valley Center 7+, M - San Diego County, Summer

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.7807					0.0000	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			0.0000
Hearth	0.4911	4.1968	1.7859	0.0268	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.0000	5,357.647 <sub>1</sub>	5,357.647 <sub>1</sub>	0.1027	0.0982	5,389.484 <sub>9</sub>
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
<b>Total</b>	<b>11.6389</b>	<b>4.4367</b>	<b>22.5670</b>	<b>0.0279</b>		<b>0.4551</b>	<b>0.4551</b>		<b>0.4551</b>	<b>0.4551</b>	<b>0.0000</b>	<b>5,395.230<sub>8</sub></b>	<b>5,395.230<sub>8</sub></b>	<b>0.1365</b>	<b>0.0982</b>	<b>5,427.963<sub>0</sub></b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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**

Year	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>7</sub>	6,503.828 <sub>7</sub>	1.9527	0.0000	6,552.644 <sub>7</sub>
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 <sub>2</sub>	2,364.695 <sub>2</sub>	0.7177	0.0000	2,382.638 <sub>7</sub>
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 <sub>5</sub>	2,357.537 <sub>5</sub>	0.7172	0.0000	2,375.467 <sub>2</sub>
<b>Maximum</b>	<b>26.1589</b>	<b>59.6239</b>	<b>36.0248</b>	<b>0.0646</b>	<b>18.2962</b>	<b>2.6355</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.4247</b>	<b>12.3639</b>	<b>0.0000</b>	<b>6,503.828<sub>7</sub></b>	<b>6,503.828<sub>7</sub></b>	<b>1.9527</b>	<b>0.0000</b>	<b>6,552.644<sub>7</sub></b>

**Mitigated Construction**

Year	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>7</sub>	6,503.828 <sub>7</sub>	1.9527	0.0000	6,552.644 <sub>7</sub>
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 <sub>2</sub>	2,364.695 <sub>2</sub>	0.7177	0.0000	2,382.638 <sub>7</sub>
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 <sub>5</sub>	2,357.537 <sub>5</sub>	0.7172	0.0000	2,375.467 <sub>2</sub>
<b>Maximum</b>	<b>26.1589</b>	<b>59.6239</b>	<b>36.0248</b>	<b>0.0646</b>	<b>18.2962</b>	<b>2.6355</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.4247</b>	<b>12.3639</b>	<b>0.0000</b>	<b>6,503.828<sub>7</sub></b>	<b>6,503.828<sub>7</sub></b>	<b>1.9527</b>	<b>0.0000</b>	<b>6,552.644<sub>7</sub></b>



Valley Center 7+, UM - San Diego County, Winter

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	398.3377	7.8012	498.7250	0.8670	67.1280	67.1280	67.1280	67.1280	67.1280	67.1280	7,026.247 9	2,984.289 6	10,010.53 75	6.5198	0.5527	10,338.22 82
Energy	0.2775	2.3716	1.0092	0.0151	0.1917	0.1917	0.1917	0.1917	0.1917	0.1917		3,027.551 7	3,027.551 7	0.0580	0.0555	3,045.542 9
Mobile	2.4358	12.9698	32.8992	0.1630	20.6781	0.0595	20.7376	5.5265	0.0554	5.5820		16,802.06 70	16,802.06 70	0.7753		16,821.45 06
<b>Total</b>	<b>401.0510</b>	<b>23.1426</b>	<b>532.6335</b>	<b>1.0451</b>	<b>20.6781</b>	<b>67.3793</b>	<b>88.0574</b>	<b>5.5265</b>	<b>67.3752</b>	<b>72.9017</b>	<b>7,026.247 9</b>	<b>22,813.90 84</b>	<b>29,840.15 62</b>	<b>7.3532</b>	<b>0.6082</b>	<b>30,205.22 17</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	398.3377	7.8012	498.7250	0.8670	67.1280	67.1280	67.1280	67.1280	67.1280	67.1280	7,026.247 9	2,984.289 6	10,010.53 75	6.5198	0.5527	10,338.22 82
Energy	0.2775	2.3716	1.0092	0.0151	0.1917	0.1917	0.1917	0.1917	0.1917	0.1917		3,027.551 7	3,027.551 7	0.0580	0.0555	3,045.542 9
Mobile	2.4358	12.9698	32.8992	0.1630	20.6781	0.0595	20.7376	5.5265	0.0554	5.5820		16,802.06 70	16,802.06 70	0.7753		16,821.45 06
<b>Total</b>	<b>401.0510</b>	<b>23.1426</b>	<b>532.6335</b>	<b>1.0451</b>	<b>20.6781</b>	<b>67.3793</b>	<b>88.0574</b>	<b>5.5265</b>	<b>67.3752</b>	<b>72.9017</b>	<b>7,026.247 9</b>	<b>22,813.90 84</b>	<b>29,840.15 62</b>	<b>7.3532</b>	<b>0.6082</b>	<b>30,205.22 17</b>

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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	25.9050				0.0000	0.0000	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	0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>26.0759</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0830</b>	<b>0.0476</b>	<b>0.4869</b>	<b>1.8100e-003</b>	<b>0.2299</b>	<b>1.4100e-003</b>	<b>0.2313</b>	<b>0.0610</b>	<b>1.3000e-003</b>	<b>0.0623</b>		<b>180.9508</b>	<b>180.9508</b>	<b>4.1800e-003</b>		<b>181.0553</b>

Valley Center 7+, UM - San Diego County, Winter

**3.2 Architectural Coating - 2025**  
**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>26.0759</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	180.9508	4.1800e-003		181.0553
<b>Total</b>	<b>0.0830</b>	<b>0.0476</b>	<b>0.4869</b>	<b>1.8100e-003</b>	<b>0.2299</b>	<b>1.4100e-003</b>	<b>0.2313</b>	<b>0.0610</b>	<b>1.3000e-003</b>	<b>0.0623</b>		<b>180.9508</b>	<b>180.9508</b>	<b>4.1800e-003</b>		<b>181.0553</b>

Valley Center 7+, UM - San Diego County, Winter

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	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 <sub>3</sub>	1,180.271 <sub>3</sub>	0.0394		1,181,257 <sub>1</sub>
<b>Total</b>	<b>0.7554</b>	<b>3.8511</b>	<b>5.2524</b>	<b>0.0186</b>	<b>1.3277</b>	<b>0.0338</b>	<b>1.3615</b>	<b>0.3558</b>	<b>0.0321</b>	<b>0.3879</b>		<b>1,903.761<sub>2</sub></b>	<b>1,903.761<sub>2</sub></b>	<b>0.1044</b>		<b>1,906.371<sub>3</sub></b>

Valley Center 7+, UM - San Diego County, Winter

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	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	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 <sub>3</sub>	0.0394		1,181.257 <sub>1</sub>
<b>Total</b>	<b>0.7554</b>	<b>3.8511</b>	<b>5.2524</b>	<b>0.0186</b>	<b>1.3277</b>	<b>0.0338</b>	<b>1.3615</b>	<b>0.3558</b>	<b>0.0321</b>	<b>0.3879</b>			<b>1,903.761<sub>2</sub></b>	<b>0.1044</b>		<b>1,906.371<sub>3</sub></b>

Valley Center 7+, UM - San Diego County, Winter

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1361</b>	<b>0.1021</b>	<b>0.9354</b>	<b>2.6000e-003</b>	<b>0.2555</b>	<b>1.7700e-003</b>	<b>0.2572</b>	<b>0.0678</b>	<b>1.6300e-003</b>	<b>0.0694</b>		<b>259.4003</b>	<b>259.4003</b>	<b>8.6700e-003</b>		<b>259.6169</b>

Valley Center 7+, UM - San Diego County, Winter

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	8.6700e-003		259.6169
<b>Total</b>	<b>0.1361</b>	<b>0.1021</b>	<b>0.9354</b>	<b>2.6000e-003</b>	<b>0.2555</b>	<b>1.7700e-003</b>	<b>0.2572</b>	<b>0.0678</b>	<b>1.6300e-003</b>	<b>0.0694</b>			<b>259.4003</b>	<b>8.6700e-003</b>		<b>259.6169</b>

Valley Center 7+, UM - San Diego County, Winter

**3.5 Paving - 2024**

**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.4685	0.4685	0.4310	0.4310	0.4310		2,207.547 <sub>2</sub>	2,207.547 <sub>2</sub>	0.7140		2,225.396 <sub>3</sub>
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9882</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>	<b>0.4685</b>	<b>0.4685</b>	<b>0.4685</b>	<b>0.4310</b>	<b>0.4310</b>	<b>0.4310</b>		<b>2,207.547<sub>2</sub></b>	<b>2,207.547<sub>2</sub></b>	<b>0.7140</b>		<b>2,225.396<sub>3</sub></b>

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	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
<b>Total</b>	<b>0.0722</b>	<b>0.0430</b>	<b>0.4346</b>	<b>1.5800e-003</b>	<b>0.1916</b>	<b>1.2000e-003</b>	<b>0.1928</b>	<b>0.0508</b>	<b>1.1000e-003</b>	<b>0.0519</b>		<b>157.1480</b>	<b>157.1480</b>	<b>3.7700e-003</b>		<b>157.2423</b>

Valley Center 7+, UM - San Diego County, Winter

**3.5 Paving - 2024**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	0.9882	9.5246	14.6258	0.0228	0.4685	0.4685	0.4685	0.4310	0.4310	0.4310	0.0000	2,207.547 <sub>2</sub>	2,207.547 <sub>2</sub>	0.7140		2,225.396 <sub>3</sub>
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9882</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>	<b>0.4685</b>	<b>0.4685</b>	<b>0.4685</b>	<b>0.4310</b>	<b>0.4310</b>	<b>0.4310</b>	<b>0.0000</b>	<b>2,207.547<sub>2</sub></b>	<b>2,207.547<sub>2</sub></b>	<b>0.7140</b>		<b>2,225.396<sub>3</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0722</b>	<b>0.0430</b>	<b>0.4346</b>	<b>1.5800e-003</b>	<b>0.1916</b>	<b>1.2000e-003</b>	<b>0.1928</b>	<b>0.0508</b>	<b>1.1000e-003</b>	<b>0.0519</b>		<b>157.1480</b>	<b>157.1480</b>	<b>3.7700e-003</b>		<b>157.2423</b>



Valley Center 7+, UM - San Diego County, Winter

**3.5 Paving - 2025**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	0.9152	8.5816	14.5780	0.0228	0.4185	0.4185	0.4185	0.3850	0.3850	0.3850		2,206.745 <sub>2</sub>	2,206.745 <sub>2</sub>	0.7137		2,224.587 <sub>8</sub>
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>	<b>0.4185</b>	<b>0.4185</b>	<b>0.4185</b>	<b>0.3850</b>	<b>0.3850</b>	<b>0.3850</b>		<b>2,206.745<sub>2</sub></b>	<b>2,206.745<sub>2</sub></b>	<b>0.7137</b>		<b>2,224.587<sub>8</sub></b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0692</b>	<b>0.0397</b>	<b>0.4058</b>	<b>1.5100e-003</b>	<b>0.1916</b>	<b>1.1800e-003</b>	<b>0.1928</b>	<b>0.0508</b>	<b>1.0800e-003</b>	<b>0.0519</b>		<b>150.7923</b>	<b>150.7923</b>	<b>3.4800e-003</b>		<b>150.8794</b>

Valley Center 7+, UM - San Diego County, Winter

**3.5 Paving - 2025**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	0.9152	8.5816	14.5780	0.0228	0.4185	0.4185	0.4185	0.3850	0.3850	0.3850	0.0000	2,206.745 <sub>2</sub>	2,206.745 <sub>2</sub>	0.7137		2,224.587 <sub>8</sub>
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>	<b>0.4185</b>	<b>0.4185</b>	<b>0.4185</b>	<b>0.3850</b>	<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.745<sub>2</sub></b>	<b>2,206.745<sub>2</sub></b>	<b>0.7137</b>		<b>2,224.587<sub>8</sub></b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	3.4800e-003		150.8794
<b>Total</b>	<b>0.0692</b>	<b>0.0397</b>	<b>0.4058</b>	<b>1.5100e-003</b>	<b>0.1916</b>	<b>1.1800e-003</b>	<b>0.1928</b>	<b>0.0508</b>	<b>1.0800e-003</b>	<b>0.0519</b>			<b>150.7923</b>	<b>3.4800e-003</b>		<b>150.8794</b>

Valley Center 7+, UM - San Diego County, Winter

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.5769	2.3708	2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
<b>Total</b>	<b>4.5627</b>	<b>48.1988</b>	<b>22.4763</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.5769</b>	<b>20.6432</b>	<b>9.9307</b>	<b>2.3708</b>	<b>12.3014</b>		<b>3,831.6239</b>	<b>3,831.6239</b>	<b>1.1928</b>		<b>3,861.4448</b>

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1225</b>	<b>0.0919</b>	<b>0.8418</b>	<b>2.3400e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>		<b>233.4603</b>	<b>233.4603</b>	<b>7.8000e-003</b>		<b>233.6553</b>

Valley Center 7+, UM - San Diego County, Winter

**3.6 Site Preparation - 2018**

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	7.8000e-003		233.6553
<b>Total</b>	<b>0.1225</b>	<b>0.0919</b>	<b>0.8418</b>	<b>2.3400e-003</b>	<b>0.2299</b>	<b>1.5900e-003</b>	<b>0.2315</b>	<b>0.0610</b>	<b>1.4700e-003</b>	<b>0.0624</b>			<b>233.4603</b>	<b>7.8000e-003</b>		<b>233.6553</b>

**4.0 Operational Detail - Mobile**

Valley Center 7+, UM - San Diego County, Winter

**4.1 Mitigation Measures Mobile**

Category	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Single Family Housing	2,530.00	2,633.73	2,289.65	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-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	H-S or C-C	H-O or C-NW	H-S or C-C	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

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

Land Use	NaturalGas Use kBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>		<b>0.2775</b>	<b>2.3716</b>	<b>1.0092</b>	<b>0.0151</b>		<b>0.1917</b>	<b>0.1917</b>		<b>0.1917</b>	<b>0.1917</b>		<b>3.027.5517</b>	<b>3.027.5517</b>	<b>0.0580</b>	<b>0.0555</b>	<b>3,045.5429</b>

**Mitigated**

Land Use	NaturalGas Use kBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>		<b>0.2775</b>	<b>2.3716</b>	<b>1.0092</b>	<b>0.0151</b>		<b>0.1917</b>	<b>0.1917</b>		<b>0.1917</b>	<b>0.1917</b>		<b>3.027.5517</b>	<b>3.027.5517</b>	<b>0.0580</b>	<b>0.0555</b>	<b>3,045.5429</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Valley Center 7+, UM - San Diego County, Winter

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	398.3377	7.8012	498.7250	0.8670	67.1280	67.1280	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	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**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.7807				0.0000	0.0000	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			0.0000			0.0000
Hearth	387.1899	7.5614	477.9439	0.8659	67.0123	67.0123	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	0.1158	0.1158		37.5837	37.5837	0.0358		38.4781
<b>Total</b>	<b>398.3377</b>	<b>7.8012</b>	<b>498.7250</b>	<b>0.8670</b>	<b>67.1280</b>	<b>67.1280</b>	<b>67.1280</b>	<b>67.1280</b>	<b>67.1280</b>	<b>67.1280</b>	<b>7,026.2479</b>	<b>2,984.2896</b>	<b>10,010.5375</b>	<b>6.5198</b>	<b>0.5527</b>	<b>10,338.2282</b>



Valley Center 7+, UM - San Diego County, Winter

**6.2 Area by SubCategory**

**Mitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.7807					0.0000	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			0.0000
Hearth	387.1899	7.5614	477.9439	0.8659	67.0123	67.0123	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	0.1158	0.1158		37.5837	37.5837	0.0358		38.4781
<b>Total</b>	<b>398.3377</b>	<b>7.8012</b>	<b>498.7250</b>	<b>0.8670</b>	<b>67.1280</b>	<b>67.1280</b>	<b>67.1280</b>	<b>67.1280</b>	<b>67.1280</b>	<b>67.1280</b>	<b>7,026.2479</b>	<b>2,984.2896</b>	<b>10,010.5375</b>	<b>6.5198</b>	<b>0.5527</b>	<b>10,338.2282</b>

**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
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**Boilers**

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

Equipment Type	Number
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**11.0 Vegetation**

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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**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	10			<b>Operational Year</b>	2050

**Utility Company** San Diego Gas & Electric

<b>CO2 Intensity (lb/MW/hr)</b>	720.49	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**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

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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	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

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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**

lb/day																
Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>7</sub>	6,503.828 <sub>7</sub>	1.9527	0.0000	6,552.644 <sub>7</sub>
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 <sub>2</sub>	2,364.695 <sub>2</sub>	0.7177	0.0000	2,382.638 <sub>7</sub>
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 <sub>5</sub>	2,357.537 <sub>5</sub>	0.7172	0.0000	2,375.467 <sub>2</sub>
<b>Maximum</b>	<b>26.1589</b>	<b>59.6239</b>	<b>36.0248</b>	<b>0.0646</b>	<b>18.2962</b>	<b>2.6355</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.4247</b>	<b>12.3639</b>	<b>0.0000</b>	<b>6,503.828<sub>7</sub></b>	<b>6,503.828<sub>7</sub></b>	<b>1.9527</b>	<b>0.0000</b>	<b>6,552.644<sub>7</sub></b>

**Mitigated Construction**

lb/day																
Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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 <sub>7</sub>	6,503.828 <sub>7</sub>	1.9527	0.0000	6,552.644 <sub>7</sub>
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 <sub>2</sub>	2,364.695 <sub>2</sub>	0.7177	0.0000	2,382.638 <sub>7</sub>
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 <sub>5</sub>	2,357.537 <sub>5</sub>	0.7172	0.0000	2,375.467 <sub>2</sub>
<b>Maximum</b>	<b>26.1589</b>	<b>59.6239</b>	<b>36.0248</b>	<b>0.0646</b>	<b>18.2962</b>	<b>2.6355</b>	<b>20.8747</b>	<b>9.9917</b>	<b>2.4247</b>	<b>12.3639</b>	<b>0.0000</b>	<b>6,503.828<sub>7</sub></b>	<b>6,503.828<sub>7</sub></b>	<b>1.9527</b>	<b>0.0000</b>	<b>6,552.644<sub>7</sub></b>



Valley Center 7+, M - San Diego County, Winter

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	11.6389	4.4367	22.5670	0.0279	0.4551	0.4551	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	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
<b>Total</b>	<b>14.3522</b>	<b>19.7781</b>	<b>56.4754</b>	<b>0.2060</b>	<b>20.6781</b>	<b>0.7063</b>	<b>21.3844</b>	<b>5.5265</b>	<b>0.7022</b>	<b>6.2288</b>	<b>0.0000</b>	<b>25,224.8495</b>	<b>25,224.8495</b>	<b>0.9718</b>	<b>0.1537</b>	<b>25,294.9564</b>

**Mitigated Operational**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	11.6389	4.4367	22.5670	0.0279	0.4551	0.4551	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	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
<b>Total</b>	<b>14.3522</b>	<b>19.7781</b>	<b>56.4754</b>	<b>0.2060</b>	<b>20.6781</b>	<b>0.7063</b>	<b>21.3844</b>	<b>5.5265</b>	<b>0.7022</b>	<b>6.2288</b>	<b>0.0000</b>	<b>25,224.8495</b>	<b>25,224.8495</b>	<b>0.9718</b>	<b>0.1537</b>	<b>25,294.9564</b>



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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	25.9050				0.0000	0.0000	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	0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>26.0759</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.0830</b>	<b>0.0476</b>	<b>0.4869</b>	<b>1.8100e-003</b>	<b>0.2299</b>	<b>1.4100e-003</b>	<b>0.2313</b>	<b>0.0610</b>	<b>1.3000e-003</b>	<b>0.0623</b>		<b>180.9508</b>	<b>180.9508</b>	<b>4.1800e-003</b>		<b>181.0553</b>

Valley Center 7+, M - San Diego County, Winter

**3.2 Architectural Coating - 2025**

**Mitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
<b>Total</b>	<b>26.0759</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	180.9508	4.1800e-003		181.0553
<b>Total</b>	<b>0.0830</b>	<b>0.0476</b>	<b>0.4869</b>	<b>1.8100e-003</b>	<b>0.2299</b>	<b>1.4100e-003</b>	<b>0.2313</b>	<b>0.0610</b>	<b>1.3000e-003</b>	<b>0.0623</b>	<b>180.9508</b>	<b>180.9508</b>	<b>180.9508</b>	<b>4.1800e-003</b>		<b>181.0553</b>

Valley Center 7+, M - San Diego County, Winter

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

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

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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 <sub>3</sub>	0.0394		1,181.257 <sub>1</sub>
<b>Total</b>	<b>0.7554</b>	<b>3.8511</b>	<b>5.2524</b>	<b>0.0186</b>	<b>1.3277</b>	<b>0.0338</b>	<b>1.3615</b>	<b>0.3558</b>	<b>0.0321</b>	<b>0.3879</b>			<b>1,903.761<sub>2</sub></b>	<b>0.1044</b>		<b>1,906.371<sub>3</sub></b>

Valley Center 7+, M - San Diego County, Winter

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

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

**Mitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	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	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 <sub>3</sub>	0.0394		1,181.257 <sub>1</sub>
<b>Total</b>	<b>0.7554</b>	<b>3.8511</b>	<b>5.2524</b>	<b>0.0186</b>	<b>1.3277</b>	<b>0.0338</b>	<b>1.3615</b>	<b>0.3558</b>	<b>0.0321</b>	<b>0.3879</b>			<b>1,903.761<sub>2</sub></b>	<b>0.1044</b>		<b>1,906.371<sub>3</sub></b>

Valley Center 7+, M - San Diego County, Winter

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6337	2.4230	2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
<b>Total</b>	<b>5.0901</b>	<b>59.5218</b>	<b>35.0894</b>	<b>0.0620</b>	<b>8.6733</b>	<b>2.6337</b>	<b>11.3071</b>	<b>3.5965</b>	<b>2.4230</b>	<b>6.0195</b>		<b>6,244.4284</b>	<b>6,244.4284</b>	<b>1.9440</b>		<b>6,293.0278</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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
<b>Total</b>	<b>0.1361</b>	<b>0.1021</b>	<b>0.9354</b>	<b>2.6000e-003</b>	<b>0.2555</b>	<b>1.7700e-003</b>	<b>0.2572</b>	<b>0.0678</b>	<b>1.6300e-003</b>	<b>0.0694</b>		<b>259.4003</b>	<b>259.4003</b>	<b>8.6700e-003</b>		<b>259.6169</b>