

San Antonio Residential Development - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**San Antonio Residential Development  
South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	4.00	Dwelling Unit	0.55	24,000.00	11
Other Non-Asphalt Surfaces	0.64	Acre	0.64	27,996.01	0
Other Asphalt Surfaces	5.82	Acre	5.82	253,519.20	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	10			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	531.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

Project Characteristics -  
 Land Use - Per Site Plan.  
 Construction Phase - No demolition required.

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	7,200.00	24,000.00
tblLandUse	LotAcreage	1.30	0.55

**2.0 Emissions Summary**

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2353	33.1312	21.2751	0.0474	19.8582	1.6138	21.4720	10.1558	1.4847	11.6405	0.0000	4,677.1558	4,677.1558	1.1970	0.1715	4,745.1729
2023	11.6957	16.4568	20.7468	0.0466	1.6423	0.7173	2.3595	0.4424	0.6749	1.1173	0.0000	4,596.8202	4,596.8202	0.7176	0.1625	4,661.9441
<b>Maximum</b>	<b>11.6957</b>	<b>33.1312</b>	<b>21.2751</b>	<b>0.0474</b>	<b>19.8582</b>	<b>1.6138</b>	<b>21.4720</b>	<b>10.1558</b>	<b>1.4847</b>	<b>11.6405</b>	<b>0.0000</b>	<b>4,677.1558</b>	<b>4,677.1558</b>	<b>1.1970</b>	<b>0.1715</b>	<b>4,745.1729</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2353	33.1312	21.2751	0.0474	19.8582	1.6138	21.4720	10.1558	1.4847	11.6405	0.0000	4,677.1558	4,677.1558	1.1970	0.1715	4,745.1729
2023	11.6957	16.4568	20.7468	0.0466	1.6423	0.7173	2.3595	0.4424	0.6749	1.1173	0.0000	4,596.8202	4,596.8202	0.7176	0.1625	4,661.9441
<b>Maximum</b>	<b>11.6957</b>	<b>33.1312</b>	<b>21.2751</b>	<b>0.0474</b>	<b>19.8582</b>	<b>1.6138</b>	<b>21.4720</b>	<b>10.1558</b>	<b>1.4847</b>	<b>11.6405</b>	<b>0.0000</b>	<b>4,677.1558</b>	<b>4,677.1558</b>	<b>1.1970</b>	<b>0.1715</b>	<b>4,745.1729</b>



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**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6957	0.0868	2.3652	5.2100e-003		0.3074	0.3074		0.3074	0.3074	37.4677	72.5956	110.0633	0.1123	2.5400e-003	113.6289
Energy	3.3400e-003	0.0286	0.0122	1.8000e-004		2.3100e-003	2.3100e-003		2.3100e-003	2.3100e-003		36.4699	36.4699	7.0000e-004	6.7000e-004	36.6866
Mobile	0.1178	0.1576	1.2136	2.6500e-003	0.2748	2.3200e-003	0.2771	0.0732	2.1700e-003	0.0754		270.6210	270.6210	0.0178	0.0124	274.7449
<b>Total</b>	<b>1.8168</b>	<b>0.2730</b>	<b>3.5910</b>	<b>8.0400e-003</b>	<b>0.2748</b>	<b>0.3120</b>	<b>0.5868</b>	<b>0.0732</b>	<b>0.3119</b>	<b>0.3851</b>	<b>37.4677</b>	<b>379.6864</b>	<b>417.1541</b>	<b>0.1308</b>	<b>0.0156</b>	<b>425.0604</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6957	0.0868	2.3652	5.2100e-003		0.3074	0.3074		0.3074	0.3074	37.4677	72.5956	110.0633	0.1123	2.5400e-003	113.6289
Energy	3.3400e-003	0.0286	0.0122	1.8000e-004		2.3100e-003	2.3100e-003		2.3100e-003	2.3100e-003		36.4699	36.4699	7.0000e-004	6.7000e-004	36.6866
Mobile	0.1178	0.1576	1.2136	2.6500e-003	0.2748	2.3200e-003	0.2771	0.0732	2.1700e-003	0.0754		270.6210	270.6210	0.0178	0.0124	274.7449
<b>Total</b>	<b>1.8168</b>	<b>0.2730</b>	<b>3.5910</b>	<b>8.0400e-003</b>	<b>0.2748</b>	<b>0.3120</b>	<b>0.5868</b>	<b>0.0732</b>	<b>0.3119</b>	<b>0.3851</b>	<b>37.4677</b>	<b>379.6864</b>	<b>417.1541</b>	<b>0.1308</b>	<b>0.0156</b>	<b>425.0604</b>

San Antonio Residential Development - South Coast AQMD Air District, Winter

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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	Site Preparation	Site Preparation	5/28/2022	6/10/2022	5	10	
2	Grading	Grading	6/11/2022	7/8/2022	5	20	
3	Building Construction	Building Construction	7/9/2022	5/26/2023	5	230	
4	Paving	Paving	5/27/2023	6/23/2023	5	20	
5	Architectural Coating	Architectural Coating	6/24/2023	7/21/2023	5	20	

**Acres of Grading (Site Preparation Phase): 15**

**Acres of Grading (Grading Phase): 20**

**Acres of Paving: 6.46**

**Residential Indoor: 48,600; Residential Outdoor: 16,200; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 16,891 (Architectural Coating – sqft)**

**OffRoad Equipment**

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
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41

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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
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	120.00	47.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	24.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

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**3.2 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6570</b>	<b>1.6126</b>	<b>21.2696</b>	<b>10.1025</b>	<b>1.4836</b>	<b>11.5860</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0652	0.0477	0.6202	1.7200e-003	0.2012	1.2000e-003	0.2024	0.0534	1.1000e-003	0.0545		173.3539	173.3539	4.8700e-003	4.6700e-003	174.8680
<b>Total</b>	<b>0.0652</b>	<b>0.0477</b>	<b>0.6202</b>	<b>1.7200e-003</b>	<b>0.2012</b>	<b>1.2000e-003</b>	<b>0.2024</b>	<b>0.0534</b>	<b>1.1000e-003</b>	<b>0.0545</b>		<b>173.3539</b>	<b>173.3539</b>	<b>4.8700e-003</b>	<b>4.6700e-003</b>	<b>174.8680</b>

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**3.2 Site Preparation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6570</b>	<b>1.6126</b>	<b>21.2696</b>	<b>10.1025</b>	<b>1.4836</b>	<b>11.5860</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0652	0.0477	0.6202	1.7200e-003	0.2012	1.2000e-003	0.2024	0.0534	1.1000e-003	0.0545		173.3539	173.3539	4.8700e-003	4.6700e-003	174.8680
<b>Total</b>	<b>0.0652</b>	<b>0.0477</b>	<b>0.6202</b>	<b>1.7200e-003</b>	<b>0.2012</b>	<b>1.2000e-003</b>	<b>0.2024</b>	<b>0.0534</b>	<b>1.1000e-003</b>	<b>0.0545</b>		<b>173.3539</b>	<b>173.3539</b>	<b>4.8700e-003</b>	<b>4.6700e-003</b>	<b>174.8680</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>7.0826</b>	<b>0.9409</b>	<b>8.0234</b>	<b>3.4247</b>	<b>0.8656</b>	<b>4.2903</b>		<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0543	0.0397	0.5169	1.4300e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		144.4616	144.4616	4.0600e-003	3.8900e-003	145.7233
<b>Total</b>	<b>0.0543</b>	<b>0.0397</b>	<b>0.5169</b>	<b>1.4300e-003</b>	<b>0.1677</b>	<b>1.0000e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.2000e-004</b>	<b>0.0454</b>		<b>144.4616</b>	<b>144.4616</b>	<b>4.0600e-003</b>	<b>3.8900e-003</b>	<b>145.7233</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>7.0826</b>	<b>0.9409</b>	<b>8.0234</b>	<b>3.4247</b>	<b>0.8656</b>	<b>4.2903</b>	<b>0.0000</b>	<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0543	0.0397	0.5169	1.4300e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		144.4616	144.4616	4.0600e-003	3.8900e-003	145.7233
<b>Total</b>	<b>0.0543</b>	<b>0.0397</b>	<b>0.5169</b>	<b>1.4300e-003</b>	<b>0.1677</b>	<b>1.0000e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.2000e-004</b>	<b>0.0454</b>		<b>144.4616</b>	<b>144.4616</b>	<b>4.0600e-003</b>	<b>3.8900e-003</b>	<b>145.7233</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Building Construction - 2022**

**Unmitigated Construction On-Site**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0842	2.2824	0.7768	8.9900e-003	0.3010	0.0230	0.3239	0.0867	0.0220	0.1086		967.1299	967.1299	0.0323	0.1403	1,009.7539
Worker	0.4347	0.3180	4.1349	0.0114	1.3413	8.0000e-003	1.3493	0.3557	7.3700e-003	0.3631		1,155.6924	1,155.6924	0.0325	0.0312	1,165.7867
<b>Total</b>	<b>0.5188</b>	<b>2.6004</b>	<b>4.9117</b>	<b>0.0204</b>	<b>1.6423</b>	<b>0.0310</b>	<b>1.6732</b>	<b>0.4424</b>	<b>0.0293</b>	<b>0.4717</b>		<b>2,122.8223</b>	<b>2,122.8223</b>	<b>0.0647</b>	<b>0.1715</b>	<b>2,175.5406</b>

San Antonio Residential Development - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Building Construction - 2022**

**Mitigated Construction On-Site**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0842	2.2824	0.7768	8.9900e-003	0.3010	0.0230	0.3239	0.0867	0.0220	0.1086		967.1299	967.1299	0.0323	0.1403	1,009.7539
Worker	0.4347	0.3180	4.1349	0.0114	1.3413	8.0000e-003	1.3493	0.3557	7.3700e-003	0.3631		1,155.6924	1,155.6924	0.0325	0.0312	1,165.7867
<b>Total</b>	<b>0.5188</b>	<b>2.6004</b>	<b>4.9117</b>	<b>0.0204</b>	<b>1.6423</b>	<b>0.0310</b>	<b>1.6732</b>	<b>0.4424</b>	<b>0.0293</b>	<b>0.4717</b>		<b>2,122.8223</b>	<b>2,122.8223</b>	<b>0.0647</b>	<b>0.1715</b>	<b>2,175.5406</b>

San Antonio Residential Development - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0497	1.7907	0.6934	8.5700e-003	0.3010	9.9900e-003	0.3109	0.0867	9.5500e-003	0.0962		923.0111	923.0111	0.0308	0.1337	963.6361
Worker	0.4044	0.2812	3.8094	0.0111	1.3413	7.5300e-003	1.3489	0.3557	6.9300e-003	0.3627		1,118.5991	1,118.5991	0.0292	0.0288	1,127.9020
<b>Total</b>	<b>0.4541</b>	<b>2.0719</b>	<b>4.5028</b>	<b>0.0196</b>	<b>1.6423</b>	<b>0.0175</b>	<b>1.6598</b>	<b>0.4424</b>	<b>0.0165</b>	<b>0.4589</b>		<b>2,041.6103</b>	<b>2,041.6103</b>	<b>0.0600</b>	<b>0.1625</b>	<b>2,091.5381</b>

San Antonio Residential Development - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<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>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0497	1.7907	0.6934	8.5700e-003	0.3010	9.9900e-003	0.3109	0.0867	9.5500e-003	0.0962		923.0111	923.0111	0.0308	0.1337	963.6361
Worker	0.4044	0.2812	3.8094	0.0111	1.3413	7.5300e-003	1.3489	0.3557	6.9300e-003	0.3627		1,118.5991	1,118.5991	0.0292	0.0288	1,127.9020
<b>Total</b>	<b>0.4541</b>	<b>2.0719</b>	<b>4.5028</b>	<b>0.0196</b>	<b>1.6423</b>	<b>0.0175</b>	<b>1.6598</b>	<b>0.4424</b>	<b>0.0165</b>	<b>0.4589</b>		<b>2,041.6103</b>	<b>2,041.6103</b>	<b>0.0600</b>	<b>0.1625</b>	<b>2,091.5381</b>

San Antonio Residential Development - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.7624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.7952</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>		<b>2,207.5841</b>	<b>2,207.5841</b>	<b>0.7140</b>		<b>2,225.4336</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0506	0.0351	0.4762	1.3800e-003	0.1677	9.4000e-004	0.1686	0.0445	8.7000e-004	0.0453		139.8249	139.8249	3.6500e-003	3.6000e-003	140.9878
<b>Total</b>	<b>0.0506</b>	<b>0.0351</b>	<b>0.4762</b>	<b>1.3800e-003</b>	<b>0.1677</b>	<b>9.4000e-004</b>	<b>0.1686</b>	<b>0.0445</b>	<b>8.7000e-004</b>	<b>0.0453</b>		<b>139.8249</b>	<b>139.8249</b>	<b>3.6500e-003</b>	<b>3.6000e-003</b>	<b>140.9878</b>

San Antonio Residential Development - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.7624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.7952</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>	<b>0.0000</b>	<b>2,207.584 1</b>	<b>2,207.584 1</b>	<b>0.7140</b>		<b>2,225.433 6</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0506	0.0351	0.4762	1.3800e-003	0.1677	9.4000e-004	0.1686	0.0445	8.7000e-004	0.0453		139.8249	139.8249	3.6500e-003	3.6000e-003	140.9878
<b>Total</b>	<b>0.0506</b>	<b>0.0351</b>	<b>0.4762</b>	<b>1.3800e-003</b>	<b>0.1677</b>	<b>9.4000e-004</b>	<b>0.1686</b>	<b>0.0445</b>	<b>8.7000e-004</b>	<b>0.0453</b>		<b>139.8249</b>	<b>139.8249</b>	<b>3.6500e-003</b>	<b>3.6000e-003</b>	<b>140.9878</b>



San Antonio Residential Development - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.4232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>11.6149</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0809	0.0562	0.7619	2.2100e-003	0.2683	1.5100e-003	0.2698	0.0711	1.3900e-003	0.0725		223.7198	223.7198	5.8400e-003	5.7500e-003	225.5804
<b>Total</b>	<b>0.0809</b>	<b>0.0562</b>	<b>0.7619</b>	<b>2.2100e-003</b>	<b>0.2683</b>	<b>1.5100e-003</b>	<b>0.2698</b>	<b>0.0711</b>	<b>1.3900e-003</b>	<b>0.0725</b>		<b>223.7198</b>	<b>223.7198</b>	<b>5.8400e-003</b>	<b>5.7500e-003</b>	<b>225.5804</b>

San Antonio Residential Development - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.4232					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>11.6149</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0809	0.0562	0.7619	2.2100e-003	0.2683	1.5100e-003	0.2698	0.0711	1.3900e-003	0.0725		223.7198	223.7198	5.8400e-003	5.7500e-003	225.5804
<b>Total</b>	<b>0.0809</b>	<b>0.0562</b>	<b>0.7619</b>	<b>2.2100e-003</b>	<b>0.2683</b>	<b>1.5100e-003</b>	<b>0.2698</b>	<b>0.0711</b>	<b>1.3900e-003</b>	<b>0.0725</b>		<b>223.7198</b>	<b>223.7198</b>	<b>5.8400e-003</b>	<b>5.7500e-003</b>	<b>225.5804</b>

San Antonio Residential Development - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1178	0.1576	1.2136	2.6500e-003	0.2748	2.3200e-003	0.2771	0.0732	2.1700e-003	0.0754		270.6210	270.6210	0.0178	0.0124	274.7449
Unmitigated	0.1178	0.1576	1.2136	2.6500e-003	0.2748	2.3200e-003	0.2771	0.0732	2.1700e-003	0.0754		270.6210	270.6210	0.0178	0.0124	274.7449

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	37.76	38.16	34.20	127,489	127,489
<b>Total</b>	<b>37.76</b>	<b>38.16</b>	<b>34.20</b>	<b>127,489</b>	<b>127,489</b>

**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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

San Antonio Residential Development - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.543376	0.059966	0.184357	0.131187	0.023843	0.006245	0.012012	0.009162	0.000826	0.000515	0.023898	0.000748	0.003864
Other Non-Asphalt Surfaces	0.543376	0.059966	0.184357	0.131187	0.023843	0.006245	0.012012	0.009162	0.000826	0.000515	0.023898	0.000748	0.003864
Single Family Housing	0.543376	0.059966	0.184357	0.131187	0.023843	0.006245	0.012012	0.009162	0.000826	0.000515	0.023898	0.000748	0.003864

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.3400e-003	0.0286	0.0122	1.8000e-004		2.3100e-003	2.3100e-003		2.3100e-003	2.3100e-003		36.4699	36.4699	7.0000e-004	6.7000e-004	36.6866
NaturalGas Unmitigated	3.3400e-003	0.0286	0.0122	1.8000e-004		2.3100e-003	2.3100e-003		2.3100e-003	2.3100e-003		36.4699	36.4699	7.0000e-004	6.7000e-004	36.6866

San Antonio Residential Development - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	309.994	3.3400e-003	0.0286	0.0122	1.8000e-004		2.3100e-003	2.3100e-003		2.3100e-003	2.3100e-003		36.4699	36.4699	7.0000e-004	6.7000e-004	36.6866
<b>Total</b>		<b>3.3400e-003</b>	<b>0.0286</b>	<b>0.0122</b>	<b>1.8000e-004</b>		<b>2.3100e-003</b>	<b>2.3100e-003</b>		<b>2.3100e-003</b>	<b>2.3100e-003</b>		<b>36.4699</b>	<b>36.4699</b>	<b>7.0000e-004</b>	<b>6.7000e-004</b>	<b>36.6866</b>

San Antonio Residential Development - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.309994	3.3400e-003	0.0286	0.0122	1.8000e-004		2.3100e-003	2.3100e-003		2.3100e-003	2.3100e-003		36.4699	36.4699	7.0000e-004	6.7000e-004	36.6866
<b>Total</b>		<b>3.3400e-003</b>	<b>0.0286</b>	<b>0.0122</b>	<b>1.8000e-004</b>		<b>2.3100e-003</b>	<b>2.3100e-003</b>		<b>2.3100e-003</b>	<b>2.3100e-003</b>		<b>36.4699</b>	<b>36.4699</b>	<b>7.0000e-004</b>	<b>6.7000e-004</b>	<b>36.6866</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

San Antonio Residential Development - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.6957	0.0868	2.3652	5.2100e-003		0.3074	0.3074		0.3074	0.3074	37.4677	72.5956	110.0633	0.1123	2.5400e-003	113.6289
Unmitigated	1.6957	0.0868	2.3652	5.2100e-003		0.3074	0.3074		0.3074	0.3074	37.4677	72.5956	110.0633	0.1123	2.5400e-003	113.6289

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0626					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.0481	0.0830	2.0342	5.1900e-003		0.3056	0.3056		0.3056	0.3056	37.4677	72.0000	109.4677	0.1117	2.5400e-003	113.0189
Landscaping	0.0100	3.8200e-003	0.3310	2.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003		0.5956	0.5956	5.8000e-004		0.6101
<b>Total</b>	<b>1.6957</b>	<b>0.0868</b>	<b>2.3652</b>	<b>5.2100e-003</b>		<b>0.3074</b>	<b>0.3074</b>		<b>0.3074</b>	<b>0.3074</b>	<b>37.4677</b>	<b>72.5956</b>	<b>110.0633</b>	<b>0.1123</b>	<b>2.5400e-003</b>	<b>113.6290</b>

San Antonio Residential Development - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0626					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5749					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.0481	0.0830	2.0342	5.1900e-003		0.3056	0.3056		0.3056	0.3056	37.4677	72.0000	109.4677	0.1117	2.5400e-003	113.0189
Landscaping	0.0100	3.8200e-003	0.3310	2.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003		0.5956	0.5956	5.8000e-004		0.6101
<b>Total</b>	<b>1.6957</b>	<b>0.0868</b>	<b>2.3652</b>	<b>5.2100e-003</b>		<b>0.3074</b>	<b>0.3074</b>		<b>0.3074</b>	<b>0.3074</b>	<b>37.4677</b>	<b>72.5956</b>	<b>110.0633</b>	<b>0.1123</b>	<b>2.5400e-003</b>	<b>113.6290</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**



San Antonio Residential Development - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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