

Mission New Town House - San Bernardino-South Coast County, Annual

**Mission New Town House**  
**San Bernardino-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	60.00	Dwelling Unit	1.52	60,000.00	172
Other Non-Asphalt Surfaces	112.90	1000sqft	2.59	112,900.00	0
Other Asphalt Surfaces	45.32	1000sqft	1.04	45,320.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2023
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	702.44	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

- Project Characteristics -
- Land Use - Per Site Plan...
- Vehicle Trips - Per VMT

Mission New Town House - San Bernardino-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	3.75	1.52
tblVehicleTrips	ST_TR	5.67	9.46
tblVehicleTrips	SU_TR	4.84	9.46
tblVehicleTrips	WD_TR	5.81	9.46

**2.0 Emissions Summary**

---



Mission New Town House - San Bernardino-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	0.8417	0.8417
2	4-3-2022	7-2-2022	0.6876	0.6876
3	7-3-2022	10-2-2022	0.6952	0.6952
4	10-3-2022	1-2-2023	0.6933	0.6933
5	1-3-2023	4-2-2023	0.5109	0.5109
		Highest	0.8417	0.8417

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4634	0.0227	1.0023	1.0100e-003		0.0607	0.0607		0.0607	0.0607	6.3731	13.2617	19.6348	0.0200	4.3000e-004	20.2634
Energy	7.3300e-003	0.0627	0.0267	4.0000e-004		5.0700e-003	5.0700e-003		5.0700e-003	5.0700e-003	0.0000	180.4256	180.4256	5.8400e-003	2.2500e-003	181.2427
Mobile	0.1668	1.1179	2.1472	9.2700e-003	0.7386	5.5900e-003	0.7442	0.1979	5.2100e-003	0.2032	0.0000	859.9708	859.9708	0.0397	0.0000	860.9634
Waste						0.0000	0.0000		0.0000	0.0000	5.6026	0.0000	5.6026	0.3311	0.0000	13.8801
Water						0.0000	0.0000		0.0000	0.0000	1.2402	24.9427	26.1829	0.1284	3.2200e-003	30.3530
<b>Total</b>	<b>0.6375</b>	<b>1.2032</b>	<b>3.1762</b>	<b>0.0107</b>	<b>0.7386</b>	<b>0.0714</b>	<b>0.8100</b>	<b>0.1979</b>	<b>0.0710</b>	<b>0.2689</b>	<b>13.2159</b>	<b>1,078.6007</b>	<b>1,091.8167</b>	<b>0.5250</b>	<b>5.9000e-003</b>	<b>1,106.7026</b>

Mission New Town House - San Bernardino-South Coast County, Annual

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4634	0.0227	1.0023	1.0100e-003		0.0607	0.0607		0.0607	0.0607	6.3731	13.2617	19.6348	0.0200	4.3000e-004	20.2634
Energy	7.3300e-003	0.0627	0.0267	4.0000e-004		5.0700e-003	5.0700e-003		5.0700e-003	5.0700e-003	0.0000	180.4256	180.4256	5.8400e-003	2.2500e-003	181.2427
Mobile	0.1668	1.1179	2.1472	9.2700e-003	0.7386	5.5900e-003	0.7442	0.1979	5.2100e-003	0.2032	0.0000	859.9708	859.9708	0.0397	0.0000	860.9634
Waste						0.0000	0.0000		0.0000	0.0000	5.6026	0.0000	5.6026	0.3311	0.0000	13.8801
Water						0.0000	0.0000		0.0000	0.0000	1.2402	24.9427	26.1829	0.1284	3.2200e-003	30.3530
<b>Total</b>	<b>0.6375</b>	<b>1.2032</b>	<b>3.1762</b>	<b>0.0107</b>	<b>0.7386</b>	<b>0.0714</b>	<b>0.8100</b>	<b>0.1979</b>	<b>0.0710</b>	<b>0.2689</b>	<b>13.2159</b>	<b>1,078.6007</b>	<b>1,091.8167</b>	<b>0.5250</b>	<b>5.9000e-003</b>	<b>1,106.7026</b>

	ROG	NOx	CO	SO2	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**

Mission New Town House - San Bernardino-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	1/28/2022	5	20	
2	Site Preparation	Site Preparation	1/29/2022	2/11/2022	5	10	
3	Grading	Grading	2/12/2022	3/11/2022	5	20	
4	Building Construction	Building Construction	3/12/2022	1/27/2023	5	230	
5	Paving	Paving	1/28/2023	2/24/2023	5	20	
6	Architectural Coating	Architectural Coating	2/25/2023	3/24/2023	5	20	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 10**

**Acres of Paving: 3.63**

**Residential Indoor: 121,500; Residential Outdoor: 40,500; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 9,493 (Architectural Coating – sqft)**

**OffRoad Equipment**

## Mission New Town House - San Bernardino-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	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
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	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**

Mission New Town House - San Bernardino-South Coast County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	110.00	32.00	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	22.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
<b>Total</b>	<b>0.0264</b>	<b>0.2572</b>	<b>0.2059</b>	<b>3.9000e-004</b>		<b>0.0124</b>	<b>0.0124</b>		<b>0.0116</b>	<b>0.0116</b>	<b>0.0000</b>	<b>33.9902</b>	<b>33.9902</b>	<b>9.5500e-003</b>	<b>0.0000</b>	<b>34.2289</b>



Mission New Town House - San Bernardino-South Coast County, Annual

**3.2 Demolition - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	4.7000e-004	4.9000e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3157	1.3157	3.0000e-005	0.0000	1.3165
<b>Total</b>	<b>6.5000e-004</b>	<b>4.7000e-004</b>	<b>4.9000e-003</b>	<b>1.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.3157</b>	<b>1.3157</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.3165</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
<b>Total</b>	<b>0.0264</b>	<b>0.2572</b>	<b>0.2059</b>	<b>3.9000e-004</b>		<b>0.0124</b>	<b>0.0124</b>		<b>0.0116</b>	<b>0.0116</b>	<b>0.0000</b>	<b>33.9902</b>	<b>33.9902</b>	<b>9.5500e-003</b>	<b>0.0000</b>	<b>34.2289</b>

Mission New Town House - San Bernardino-South Coast County, Annual

**3.2 Demolition - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	4.7000e-004	4.9000e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3157	1.3157	3.0000e-005	0.0000	1.3165
<b>Total</b>	<b>6.5000e-004</b>	<b>4.7000e-004</b>	<b>4.9000e-003</b>	<b>1.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.3157</b>	<b>1.3157</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.3165</b>

**3.3 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	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
<b>Total</b>	<b>0.0159</b>	<b>0.1654</b>	<b>0.0985</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>8.0600e-003</b>	<b>0.0984</b>	<b>0.0497</b>	<b>7.4200e-003</b>	<b>0.0571</b>	<b>0.0000</b>	<b>16.7197</b>	<b>16.7197</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8549</b>

Mission New Town House - San Bernardino-South Coast County, Annual

**3.3 Site Preparation - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.8000e-004	2.9400e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7894	0.7894	2.0000e-005	0.0000	0.7899
<b>Total</b>	<b>3.9000e-004</b>	<b>2.8000e-004</b>	<b>2.9400e-003</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.7894</b>	<b>0.7894</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.7899</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
<b>Total</b>	<b>0.0159</b>	<b>0.1654</b>	<b>0.0985</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>8.0600e-003</b>	<b>0.0984</b>	<b>0.0497</b>	<b>7.4200e-003</b>	<b>0.0571</b>	<b>0.0000</b>	<b>16.7197</b>	<b>16.7197</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8549</b>

Mission New Town House - San Bernardino-South Coast County, Annual

**3.3 Site Preparation - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.8000e-004	2.9400e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7894	0.7894	2.0000e-005	0.0000	0.7899
<b>Total</b>	<b>3.9000e-004</b>	<b>2.8000e-004</b>	<b>2.9400e-003</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>1.0000e-005</b>	<b>9.9000e-004</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.7894</b>	<b>0.7894</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.7899</b>

**3.4 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	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.2086	0.1527	3.0000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	26.0548	26.0548	8.4300e-003	0.0000	26.2654
<b>Total</b>	<b>0.0195</b>	<b>0.2086</b>	<b>0.1527</b>	<b>3.0000e-004</b>	<b>0.0655</b>	<b>9.4100e-003</b>	<b>0.0749</b>	<b>0.0337</b>	<b>8.6600e-003</b>	<b>0.0423</b>	<b>0.0000</b>	<b>26.0548</b>	<b>26.0548</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2654</b>

Mission New Town House - San Bernardino-South Coast County, Annual

**3.4 Grading - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	4.7000e-004	4.9000e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3157	1.3157	3.0000e-005	0.0000	1.3165
<b>Total</b>	<b>6.5000e-004</b>	<b>4.7000e-004</b>	<b>4.9000e-003</b>	<b>1.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.3157</b>	<b>1.3157</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.3165</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.2086	0.1527	3.0000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	26.0547	26.0547	8.4300e-003	0.0000	26.2654
<b>Total</b>	<b>0.0195</b>	<b>0.2086</b>	<b>0.1527</b>	<b>3.0000e-004</b>	<b>0.0655</b>	<b>9.4100e-003</b>	<b>0.0749</b>	<b>0.0337</b>	<b>8.6600e-003</b>	<b>0.0423</b>	<b>0.0000</b>	<b>26.0547</b>	<b>26.0547</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2654</b>

Mission New Town House - San Bernardino-South Coast County, Annual

**3.4 Grading - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	4.7000e-004	4.9000e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3157	1.3157	3.0000e-005	0.0000	1.3165
<b>Total</b>	<b>6.5000e-004</b>	<b>4.7000e-004</b>	<b>4.9000e-003</b>	<b>1.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.3157</b>	<b>1.3157</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.3165</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1792	1.6396	1.7182	2.8300e-003		0.0850	0.0850		0.0799	0.0799	0.0000	243.3115	243.3115	0.0583	0.0000	244.7688
<b>Total</b>	<b>0.1792</b>	<b>1.6396</b>	<b>1.7182</b>	<b>2.8300e-003</b>		<b>0.0850</b>	<b>0.0850</b>		<b>0.0799</b>	<b>0.0799</b>	<b>0.0000</b>	<b>243.3115</b>	<b>243.3115</b>	<b>0.0583</b>	<b>0.0000</b>	<b>244.7688</b>

Mission New Town House - San Bernardino-South Coast County, Annual

**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.3000e-003	0.3096	0.0616	8.8000e-004	0.0212	4.7000e-004	0.0217	6.1100e-003	4.5000e-004	6.5700e-003	0.0000	84.6365	84.6365	5.5500e-003	0.0000	84.7754
Worker	0.0497	0.0361	0.3774	1.1200e-003	0.1266	8.0000e-004	0.1274	0.0336	7.4000e-004	0.0344	0.0000	101.3067	101.3067	2.6400e-003	0.0000	101.3726
<b>Total</b>	<b>0.0580</b>	<b>0.3457</b>	<b>0.4390</b>	<b>2.0000e-003</b>	<b>0.1478</b>	<b>1.2700e-003</b>	<b>0.1491</b>	<b>0.0397</b>	<b>1.1900e-003</b>	<b>0.0409</b>	<b>0.0000</b>	<b>185.9432</b>	<b>185.9432</b>	<b>8.1900e-003</b>	<b>0.0000</b>	<b>186.1480</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1792	1.6396	1.7182	2.8300e-003		0.0850	0.0850		0.0799	0.0799	0.0000	243.3112	243.3112	0.0583	0.0000	244.7685
<b>Total</b>	<b>0.1792</b>	<b>1.6396</b>	<b>1.7182</b>	<b>2.8300e-003</b>		<b>0.0850</b>	<b>0.0850</b>		<b>0.0799</b>	<b>0.0799</b>	<b>0.0000</b>	<b>243.3112</b>	<b>243.3112</b>	<b>0.0583</b>	<b>0.0000</b>	<b>244.7685</b>

Mission New Town House - San Bernardino-South Coast County, Annual

**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.3000e-003	0.3096	0.0616	8.8000e-004	0.0212	4.7000e-004	0.0217	6.1100e-003	4.5000e-004	6.5700e-003	0.0000	84.6365	84.6365	5.5500e-003	0.0000	84.7754
Worker	0.0497	0.0361	0.3774	1.1200e-003	0.1266	8.0000e-004	0.1274	0.0336	7.4000e-004	0.0344	0.0000	101.3067	101.3067	2.6400e-003	0.0000	101.3726
<b>Total</b>	<b>0.0580</b>	<b>0.3457</b>	<b>0.4390</b>	<b>2.0000e-003</b>	<b>0.1478</b>	<b>1.2700e-003</b>	<b>0.1491</b>	<b>0.0397</b>	<b>1.1900e-003</b>	<b>0.0409</b>	<b>0.0000</b>	<b>185.9432</b>	<b>185.9432</b>	<b>8.1900e-003</b>	<b>0.0000</b>	<b>186.1480</b>

**3.5 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	tons/yr										MT/yr					
Off-Road	0.0157	0.1439	0.1624	2.7000e-004		7.0000e-003	7.0000e-003		6.5800e-003	6.5800e-003	0.0000	23.1805	23.1805	5.5100e-003	0.0000	23.3183
<b>Total</b>	<b>0.0157</b>	<b>0.1439</b>	<b>0.1624</b>	<b>2.7000e-004</b>		<b>7.0000e-003</b>	<b>7.0000e-003</b>		<b>6.5800e-003</b>	<b>6.5800e-003</b>	<b>0.0000</b>	<b>23.1805</b>	<b>23.1805</b>	<b>5.5100e-003</b>	<b>0.0000</b>	<b>23.3183</b>



Mission New Town House - San Bernardino-South Coast County, Annual

**3.5 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-004	0.0227	5.0600e-003	8.0000e-005	2.0200e-003	2.0000e-005	2.0400e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	7.8389	7.8389	4.3000e-004	0.0000	7.8496
Worker	4.4300e-003	3.1000e-003	0.0330	1.0000e-004	0.0121	7.0000e-005	0.0121	3.2000e-003	7.0000e-005	3.2700e-003	0.0000	9.2860	9.2860	2.3000e-004	0.0000	9.2916
<b>Total</b>	<b>5.0300e-003</b>	<b>0.0258</b>	<b>0.0380</b>	<b>1.8000e-004</b>	<b>0.0141</b>	<b>9.0000e-005</b>	<b>0.0142</b>	<b>3.7800e-003</b>	<b>9.0000e-005</b>	<b>3.8700e-003</b>	<b>0.0000</b>	<b>17.1249</b>	<b>17.1249</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>17.1412</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0157	0.1439	0.1624	2.7000e-004		7.0000e-003	7.0000e-003		6.5800e-003	6.5800e-003	0.0000	23.1805	23.1805	5.5100e-003	0.0000	23.3183
<b>Total</b>	<b>0.0157</b>	<b>0.1439</b>	<b>0.1624</b>	<b>2.7000e-004</b>		<b>7.0000e-003</b>	<b>7.0000e-003</b>		<b>6.5800e-003</b>	<b>6.5800e-003</b>	<b>0.0000</b>	<b>23.1805</b>	<b>23.1805</b>	<b>5.5100e-003</b>	<b>0.0000</b>	<b>23.3183</b>

Mission New Town House - San Bernardino-South Coast County, Annual

**3.5 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-004	0.0227	5.0600e-003	8.0000e-005	2.0200e-003	2.0000e-005	2.0400e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	7.8389	7.8389	4.3000e-004	0.0000	7.8496
Worker	4.4300e-003	3.1000e-003	0.0330	1.0000e-004	0.0121	7.0000e-005	0.0121	3.2000e-003	7.0000e-005	3.2700e-003	0.0000	9.2860	9.2860	2.3000e-004	0.0000	9.2916
<b>Total</b>	<b>5.0300e-003</b>	<b>0.0258</b>	<b>0.0380</b>	<b>1.8000e-004</b>	<b>0.0141</b>	<b>9.0000e-005</b>	<b>0.0142</b>	<b>3.7800e-003</b>	<b>9.0000e-005</b>	<b>3.8700e-003</b>	<b>0.0000</b>	<b>17.1249</b>	<b>17.1249</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>17.1412</b>

**3.6 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	tons/yr										MT/yr					
Off-Road	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888
Paving	1.3600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0117</b>	<b>0.1019</b>	<b>0.1458</b>	<b>2.3000e-004</b>		<b>5.1000e-003</b>	<b>5.1000e-003</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>	<b>0.0000</b>	<b>20.0269</b>	<b>20.0269</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1888</b>

Mission New Town House - San Bernardino-South Coast County, Annual

**3.6 Paving - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.2000e-004	4.4900e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2663	1.2663	3.0000e-005	0.0000	1.2670
<b>Total</b>	<b>6.0000e-004</b>	<b>4.2000e-004</b>	<b>4.4900e-003</b>	<b>1.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6500e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.2663</b>	<b>1.2663</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.2670</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888
Paving	1.3600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0117</b>	<b>0.1019</b>	<b>0.1458</b>	<b>2.3000e-004</b>		<b>5.1000e-003</b>	<b>5.1000e-003</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>	<b>0.0000</b>	<b>20.0268</b>	<b>20.0268</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1888</b>

Mission New Town House - San Bernardino-South Coast County, Annual

**3.6 Paving - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.2000e-004	4.4900e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2663	1.2663	3.0000e-005	0.0000	1.2670
<b>Total</b>	<b>6.0000e-004</b>	<b>4.2000e-004</b>	<b>4.4900e-003</b>	<b>1.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6500e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.2663</b>	<b>1.2663</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.2670</b>

**3.7 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	tons/yr										MT/yr					
Archit. Coating	0.2097					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
<b>Total</b>	<b>0.2116</b>	<b>0.0130</b>	<b>0.0181</b>	<b>3.0000e-005</b>		<b>7.1000e-004</b>	<b>7.1000e-004</b>		<b>7.1000e-004</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.5571</b>

Mission New Town House - San Bernardino-South Coast County, Annual

**3.7 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	6.2000e-004	6.5900e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4300e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.8572	1.8572	5.0000e-005	0.0000	1.8583
<b>Total</b>	<b>8.9000e-004</b>	<b>6.2000e-004</b>	<b>6.5900e-003</b>	<b>2.0000e-005</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>2.4300e-003</b>	<b>6.4000e-004</b>	<b>1.0000e-005</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>1.8572</b>	<b>1.8572</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.8583</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2097					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
<b>Total</b>	<b>0.2116</b>	<b>0.0130</b>	<b>0.0181</b>	<b>3.0000e-005</b>		<b>7.1000e-004</b>	<b>7.1000e-004</b>		<b>7.1000e-004</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.5571</b>

Mission New Town House - San Bernardino-South Coast County, Annual

**3.7 Architectural Coating - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	6.2000e-004	6.5900e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4300e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.8572	1.8572	5.0000e-005	0.0000	1.8583
<b>Total</b>	<b>8.9000e-004</b>	<b>6.2000e-004</b>	<b>6.5900e-003</b>	<b>2.0000e-005</b>	<b>2.4100e-003</b>	<b>1.0000e-005</b>	<b>2.4300e-003</b>	<b>6.4000e-004</b>	<b>1.0000e-005</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>1.8572</b>	<b>1.8572</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.8583</b>

**4.0 Operational Detail - Mobile**

---

**4.1 Mitigation Measures Mobile**

Mission New Town House - San Bernardino-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1668	1.1179	2.1472	9.2700e-003	0.7386	5.5900e-003	0.7442	0.1979	5.2100e-003	0.2032	0.0000	859.9708	859.9708	0.0397	0.0000	860.9634
Unmitigated	0.1668	1.1179	2.1472	9.2700e-003	0.7386	5.5900e-003	0.7442	0.1979	5.2100e-003	0.2032	0.0000	859.9708	859.9708	0.0397	0.0000	860.9634

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	567.60	567.60	567.60	1,939,575	1,939,575
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	567.60	567.60	567.60	1,939,575	1,939,575

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
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
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

4.4 Fleet Mix

Mission New Town House - San Bernardino-South Coast County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.555935	0.035798	0.180985	0.113549	0.015175	0.004939	0.018497	0.064736	0.001364	0.001528	0.005807	0.000803	0.000884
Other Asphalt Surfaces	0.555935	0.035798	0.180985	0.113549	0.015175	0.004939	0.018497	0.064736	0.001364	0.001528	0.005807	0.000803	0.000884
Other Non-Asphalt Surfaces	0.555935	0.035798	0.180985	0.113549	0.015175	0.004939	0.018497	0.064736	0.001364	0.001528	0.005807	0.000803	0.000884

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	107.8609	107.8609	4.4500e-003	9.2000e-004	108.2468
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	107.8609	107.8609	4.4500e-003	9.2000e-004	108.2468
NaturalGas Mitigated	7.3300e-003	0.0627	0.0267	4.0000e-004		5.0700e-003	5.0700e-003		5.0700e-003	5.0700e-003	0.0000	72.5647	72.5647	1.3900e-003	1.3300e-003	72.9960
NaturalGas Unmitigated	7.3300e-003	0.0627	0.0267	4.0000e-004		5.0700e-003	5.0700e-003		5.0700e-003	5.0700e-003	0.0000	72.5647	72.5647	1.3900e-003	1.3300e-003	72.9960



Mission New Town House - San Bernardino-South Coast County, Annual

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

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	1.35981e+006	7.3300e-003	0.0627	0.0267	4.0000e-004		5.0700e-003	5.0700e-003		5.0700e-003	5.0700e-003	0.0000	72.5647	72.5647	1.3900e-003	1.3300e-003	72.9960
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000
<b>Total</b>		<b>7.3300e-003</b>	<b>0.0627</b>	<b>0.0267</b>	<b>4.0000e-004</b>		<b>5.0700e-003</b>	<b>5.0700e-003</b>		<b>5.0700e-003</b>	<b>5.0700e-003</b>	<b>0.0000</b>	<b>72.5647</b>	<b>72.5647</b>	<b>1.3900e-003</b>	<b>1.3300e-003</b>	<b>72.9960</b>

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	1.35981e+006	7.3300e-003	0.0627	0.0267	4.0000e-004		5.0700e-003	5.0700e-003		5.0700e-003	5.0700e-003	0.0000	72.5647	72.5647	1.3900e-003	1.3300e-003	72.9960
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000
<b>Total</b>		<b>7.3300e-003</b>	<b>0.0627</b>	<b>0.0267</b>	<b>4.0000e-004</b>		<b>5.0700e-003</b>	<b>5.0700e-003</b>		<b>5.0700e-003</b>	<b>5.0700e-003</b>	<b>0.0000</b>	<b>72.5647</b>	<b>72.5647</b>	<b>1.3900e-003</b>	<b>1.3300e-003</b>	<b>72.9960</b>

Mission New Town House - San Bernardino-South Coast County, Annual

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	338524	107.8609	4.4500e-003	9.2000e-004	108.2468
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>107.8609</b>	<b>4.4500e-003</b>	<b>9.2000e-004</b>	<b>108.2468</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	338524	107.8609	4.4500e-003	9.2000e-004	108.2468
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>107.8609</b>	<b>4.4500e-003</b>	<b>9.2000e-004</b>	<b>108.2468</b>

**6.0 Area Detail**

Mission New Town House - San Bernardino-South Coast County, Annual

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4634	0.0227	1.0023	1.0100e-003		0.0607	0.0607		0.0607	0.0607	6.3731	13.2617	19.6348	0.0200	4.3000e-004	20.2634
Unmitigated	0.4634	0.0227	1.0023	1.0100e-003		0.0607	0.0607		0.0607	0.0607	6.3731	13.2617	19.6348	0.0200	4.3000e-004	20.2634

Mission New Town House - San Bernardino-South Coast County, Annual

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2270					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1965	0.0156	0.3814	9.7000e-004		0.0573	0.0573		0.0573	0.0573	6.3731	12.2470	18.6201	0.0190	4.3000e-004	19.2242
Landscaping	0.0188	7.1500e-003	0.6209	3.0000e-005		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	1.0147	1.0147	9.8000e-004	0.0000	1.0392
<b>Total</b>	<b>0.4634</b>	<b>0.0227</b>	<b>1.0023</b>	<b>1.0000e-003</b>		<b>0.0607</b>	<b>0.0607</b>		<b>0.0607</b>	<b>0.0607</b>	<b>6.3731</b>	<b>13.2617</b>	<b>19.6348</b>	<b>0.0200</b>	<b>4.3000e-004</b>	<b>20.2634</b>

Mission New Town House - San Bernardino-South Coast County, Annual

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2270					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1965	0.0156	0.3814	9.7000e-004		0.0573	0.0573		0.0573	0.0573	6.3731	12.2470	18.6201	0.0190	4.3000e-004	19.2242
Landscaping	0.0188	7.1500e-003	0.6209	3.0000e-005		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	1.0147	1.0147	9.8000e-004	0.0000	1.0392
<b>Total</b>	<b>0.4634</b>	<b>0.0227</b>	<b>1.0023</b>	<b>1.0000e-003</b>		<b>0.0607</b>	<b>0.0607</b>		<b>0.0607</b>	<b>0.0607</b>	<b>6.3731</b>	<b>13.2617</b>	<b>19.6348</b>	<b>0.0200</b>	<b>4.3000e-004</b>	<b>20.2634</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Mission New Town House - San Bernardino-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	26.1829	0.1284	3.2200e-003	30.3530
Unmitigated	26.1829	0.1284	3.2200e-003	30.3530

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	3.90924 / 2.46452	26.1829	0.1284	3.2200e-003	30.3530
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>26.1829</b>	<b>0.1284</b>	<b>3.2200e-003</b>	<b>30.3530</b>

## Mission New Town House - San Bernardino-South Coast County, Annual

**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	3.90924 / 2.46452	26.1829	0.1284	3.2200e-003	30.3530
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>26.1829</b>	<b>0.1284</b>	<b>3.2200e-003</b>	<b>30.3530</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Mission New Town House - San Bernardino-South Coast County, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	5.6026	0.3311	0.0000	13.8801
Unmitigated	5.6026	0.3311	0.0000	13.8801

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	27.6	5.6026	0.3311	0.0000	13.8801
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>5.6026</b>	<b>0.3311</b>	<b>0.0000</b>	<b>13.8801</b>



Mission New Town House - San Bernardino-South Coast County, Annual

**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	27.6	5.6026	0.3311	0.0000	13.8801
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>5.6026</b>	<b>0.3311</b>	<b>0.0000</b>	<b>13.8801</b>

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

Mission New Town House - San Bernardino-South Coast County, Annual

**11.0 Vegetation**

---