

Tract 21240 Highland - San Bernardino-South Coast County, Summer

**Tract 21240 Highland**  
**San Bernardino-South Coast County, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	56.00	Dwelling Unit	18.18	100,800.00	160

**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>	2020
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Tract 21240 Highland - San Bernardino-South Coast County, Summer

Project Characteristics -

Land Use -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Grading - Disturbed area modified based on construction estimate

Off-road Equipment - Construction duration restricted to four hours per day and equipment use restricted to 2 dozers and 2 tractors during site preparation and grading within 25 meters of adjacent properties.

Off-road Equipment - Excavator and scraper reduced to one operating at any given time for no more than four hours per day within 25 meters of nearest residence.

Table Name	Column Name	Default Value	New Value
tblGrading	AcresOfGrading	37.50	2.00
tblGrading	AcresOfGrading	0.00	2.00
tblGrading	MaterialMoistureContentBulldozing	7.90	15.00
tblGrading	MaterialMoistureContentBulldozing	7.90	15.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00

**2.0 Emissions Summary**

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Tract 21240 Highland - San Bernardino-South Coast County, Summer

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.6023	35.8421	22.8078	0.0406	2.7780	1.7960	3.5235	1.4909	1.6707	2.1768	0.0000	3,991.8618	3,991.8618	1.0677	0.0000	4,018.5541
2020	31.8006	19.8893	17.8714	0.0308	0.2620	1.1214	1.3834	0.0704	1.0545	1.1248	0.0000	2,950.7407	2,950.7407	0.7192	0.0000	2,966.7634
<b>Maximum</b>	<b>31.8006</b>	<b>35.8421</b>	<b>22.8078</b>	<b>0.0406</b>	<b>2.7780</b>	<b>1.7960</b>	<b>3.5235</b>	<b>1.4909</b>	<b>1.6707</b>	<b>2.1768</b>	<b>0.0000</b>	<b>3,991.8618</b>	<b>3,991.8618</b>	<b>1.0677</b>	<b>0.0000</b>	<b>4,018.5541</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					
2019	3.6023	35.8421	22.8078	0.0406	2.7780	1.7960	3.5235	1.4909	1.6707	2.1768	0.0000	3,991.8618	3,991.8618	1.0677	0.0000	4,018.5541
2020	31.8006	19.8893	17.8714	0.0308	0.2620	1.1214	1.3834	0.0704	1.0545	1.1248	0.0000	2,950.7407	2,950.7407	0.7192	0.0000	2,966.7634
<b>Maximum</b>	<b>31.8006</b>	<b>35.8421</b>	<b>22.8078</b>	<b>0.0406</b>	<b>2.7780</b>	<b>1.7960</b>	<b>3.5235</b>	<b>1.4909</b>	<b>1.6707</b>	<b>2.1768</b>	<b>0.0000</b>	<b>3,991.8618</b>	<b>3,991.8618</b>	<b>1.0677</b>	<b>0.0000</b>	<b>4,018.5541</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	16.9838	1.2155	33.1143	0.0729		4.3032	4.3032		4.3032	4.3032	524.5474	1,016.3189	1,540.8664	1.5724	0.0356	1,590.7863
Energy	0.0506	0.4326	0.1841	2.7600e-003		0.0350	0.0350		0.0350	0.0350		552.2593	552.2593	0.0106	0.0101	555.5411
Mobile	1.3655	8.5789	16.4429	0.0574	4.0432	0.0493	4.0925	1.0820	0.0464	1.1284		5,844.0005	5,844.0005	0.2994		5,851.4860
<b>Total</b>	<b>18.4000</b>	<b>10.2270</b>	<b>49.7413</b>	<b>0.1331</b>	<b>4.0432</b>	<b>4.3875</b>	<b>8.4307</b>	<b>1.0820</b>	<b>4.3846</b>	<b>5.4666</b>	<b>524.5474</b>	<b>7,412.5787</b>	<b>7,937.1261</b>	<b>1.8824</b>	<b>0.0457</b>	<b>7,997.8134</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	16.9838	1.2155	33.1143	0.0729		4.3032	4.3032		4.3032	4.3032	524.5474	1,016.3189	1,540.8664	1.5724	0.0356	1,590.7863
Energy	0.0486	0.4152	0.1767	2.6500e-003		0.0336	0.0336		0.0336	0.0336		530.0884	530.0884	0.0102	9.7200e-003	533.2384
Mobile	1.3655	8.5789	16.4429	0.0574	4.0432	0.0493	4.0925	1.0820	0.0464	1.1284		5,844.0005	5,844.0005	0.2994		5,851.4860
<b>Total</b>	<b>18.3979</b>	<b>10.2097</b>	<b>49.7339</b>	<b>0.1330</b>	<b>4.0432</b>	<b>4.3861</b>	<b>8.4293</b>	<b>1.0820</b>	<b>4.3832</b>	<b>5.4652</b>	<b>524.5474</b>	<b>7,390.4078</b>	<b>7,914.9552</b>	<b>1.8820</b>	<b>0.0453</b>	<b>7,975.5107</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	0.01	0.17	0.01	0.08	0.00	0.03	0.02	0.00	0.03	0.03	0.00	0.30	0.28	0.02	0.87	0.28

### 3.0 Construction Detail

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#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2019	4/26/2019	5	20	
2	Site Preparation	Site Preparation	4/27/2019	5/10/2019	5	10	
3	Grading	Grading	5/11/2019	6/21/2019	5	30	
4	Building Construction	Building Construction	6/22/2019	8/14/2020	5	300	
5	Paving	Paving	8/15/2020	9/11/2020	5	20	
6	Architectural Coating	Architectural Coating	9/12/2020	10/9/2020	5	20	

**Acres of Grading (Site Preparation Phase): 2**

**Acres of Grading (Grading Phase): 2**

**Acres of Paving: 0**

**Residential Indoor: 204,120; Residential Outdoor: 68,040; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

#### OffRoad Equipment

## Tract 21240 Highland - San Bernardino-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	4.00	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	4.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	4.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	4.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	2	4.00	97	0.37
Site Preparation	Rubber Tired Dozers	2	4.00	247	0.40
Grading	Scrapers	2	4.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	20.00	6.00	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	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Demolition - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
<b>Total</b>	<b>3.5134</b>	<b>35.7830</b>	<b>22.0600</b>	<b>0.0388</b>		<b>1.7949</b>	<b>1.7949</b>		<b>1.6697</b>	<b>1.6697</b>		<b>3,816.8994</b>	<b>3,816.8994</b>	<b>1.0618</b>		<b>3,843.4451</b>



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**3.2 Demolition - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0889	0.0592	0.7477	1.7600e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		174.9624	174.9624	5.8700e-003		175.1091
<b>Total</b>	<b>0.0889</b>	<b>0.0592</b>	<b>0.7477</b>	<b>1.7600e-003</b>	<b>0.1677</b>	<b>1.1300e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0400e-003</b>	<b>0.0455</b>		<b>174.9624</b>	<b>174.9624</b>	<b>5.8700e-003</b>		<b>175.1091</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	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
<b>Total</b>	<b>3.5134</b>	<b>35.7830</b>	<b>22.0600</b>	<b>0.0388</b>		<b>1.7949</b>	<b>1.7949</b>		<b>1.6697</b>	<b>1.6697</b>	<b>0.0000</b>	<b>3,816.8994</b>	<b>3,816.8994</b>	<b>1.0618</b>		<b>3,843.4451</b>

Tract 21240 Highland - San Bernardino-South Coast County, Summer

**3.2 Demolition - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0889	0.0592	0.7477	1.7600e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0400e-003	0.0455		174.9624	174.9624	5.8700e-003		175.1091
<b>Total</b>	<b>0.0889</b>	<b>0.0592</b>	<b>0.7477</b>	<b>1.7600e-003</b>	<b>0.1677</b>	<b>1.1300e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0400e-003</b>	<b>0.0455</b>		<b>174.9624</b>	<b>174.9624</b>	<b>5.8700e-003</b>		<b>175.1091</b>

**3.3 Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6662	0.0000	2.6662	1.4612	0.0000	1.4612			0.0000			0.0000
Off-Road	1.3674	14.4118	6.5868	0.0116		0.7448	0.7448		0.6852	0.6852		1,152.9703	1,152.9703	0.3648		1,162.0900
<b>Total</b>	<b>1.3674</b>	<b>14.4118</b>	<b>6.5868</b>	<b>0.0116</b>	<b>2.6662</b>	<b>0.7448</b>	<b>3.4110</b>	<b>1.4612</b>	<b>0.6852</b>	<b>2.1464</b>		<b>1,152.9703</b>	<b>1,152.9703</b>	<b>0.3648</b>		<b>1,162.0900</b>

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**3.3 Site Preparation - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0593	0.0394	0.4985	1.1700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		116.6416	116.6416	3.9100e-003		116.7394
<b>Total</b>	<b>0.0593</b>	<b>0.0394</b>	<b>0.4985</b>	<b>1.1700e-003</b>	<b>0.1118</b>	<b>7.5000e-004</b>	<b>0.1125</b>	<b>0.0296</b>	<b>6.9000e-004</b>	<b>0.0303</b>		<b>116.6416</b>	<b>116.6416</b>	<b>3.9100e-003</b>		<b>116.7394</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	lb/day										lb/day					
Fugitive Dust					2.6662	0.0000	2.6662	1.4612	0.0000	1.4612			0.0000			0.0000
Off-Road	1.3674	14.4118	6.5868	0.0116		0.7448	0.7448		0.6852	0.6852	0.0000	1,152.9703	1,152.9703	0.3648		1,162.0900
<b>Total</b>	<b>1.3674</b>	<b>14.4118</b>	<b>6.5868</b>	<b>0.0116</b>	<b>2.6662</b>	<b>0.7448</b>	<b>3.4110</b>	<b>1.4612</b>	<b>0.6852</b>	<b>2.1464</b>	<b>0.0000</b>	<b>1,152.9703</b>	<b>1,152.9703</b>	<b>0.3648</b>		<b>1,162.0900</b>

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**3.3 Site Preparation - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0593	0.0394	0.4985	1.1700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		116.6416	116.6416	3.9100e-003		116.7394
<b>Total</b>	<b>0.0593</b>	<b>0.0394</b>	<b>0.4985</b>	<b>1.1700e-003</b>	<b>0.1118</b>	<b>7.5000e-004</b>	<b>0.1125</b>	<b>0.0296</b>	<b>6.9000e-004</b>	<b>0.0303</b>		<b>116.6416</b>	<b>116.6416</b>	<b>3.9100e-003</b>		<b>116.7394</b>

**3.4 Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2978	0.0000	1.2978	0.7268	0.0000	0.7268			0.0000			0.0000
Off-Road	2.3695	27.2601	16.6884	0.0310		1.1913	1.1913		1.0960	1.0960		3,070.0097	3,070.0097	0.9713		3,094.2927
<b>Total</b>	<b>2.3695</b>	<b>27.2601</b>	<b>16.6884</b>	<b>0.0310</b>	<b>1.2978</b>	<b>1.1913</b>	<b>2.4891</b>	<b>0.7268</b>	<b>1.0960</b>	<b>1.8228</b>		<b>3,070.0097</b>	<b>3,070.0097</b>	<b>0.9713</b>		<b>3,094.2927</b>

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**3.4 Grading - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1186	0.0789	0.9970	2.3400e-003	0.2236	1.5000e-003	0.2251	0.0593	1.3800e-003	0.0607		233.2832	233.2832	7.8200e-003		233.4787
<b>Total</b>	<b>0.1186</b>	<b>0.0789</b>	<b>0.9970</b>	<b>2.3400e-003</b>	<b>0.2236</b>	<b>1.5000e-003</b>	<b>0.2251</b>	<b>0.0593</b>	<b>1.3800e-003</b>	<b>0.0607</b>		<b>233.2832</b>	<b>233.2832</b>	<b>7.8200e-003</b>		<b>233.4787</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	lb/day										lb/day					
Fugitive Dust					1.2978	0.0000	1.2978	0.7268	0.0000	0.7268			0.0000			0.0000
Off-Road	2.3695	27.2601	16.6884	0.0310		1.1913	1.1913		1.0960	1.0960	0.0000	3,070.0097	3,070.0097	0.9713		3,094.2927
<b>Total</b>	<b>2.3695</b>	<b>27.2601</b>	<b>16.6884</b>	<b>0.0310</b>	<b>1.2978</b>	<b>1.1913</b>	<b>2.4891</b>	<b>0.7268</b>	<b>1.0960</b>	<b>1.8228</b>	<b>0.0000</b>	<b>3,070.0097</b>	<b>3,070.0097</b>	<b>0.9713</b>		<b>3,094.2927</b>

Tract 21240 Highland - San Bernardino-South Coast County, Summer

**3.4 Grading - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1186	0.0789	0.9970	2.3400e-003	0.2236	1.5000e-003	0.2251	0.0593	1.3800e-003	0.0607		233.2832	233.2832	7.8200e-003		233.4787
<b>Total</b>	<b>0.1186</b>	<b>0.0789</b>	<b>0.9970</b>	<b>2.3400e-003</b>	<b>0.2236</b>	<b>1.5000e-003</b>	<b>0.2251</b>	<b>0.0593</b>	<b>1.3800e-003</b>	<b>0.0607</b>		<b>233.2832</b>	<b>233.2832</b>	<b>7.8200e-003</b>		<b>233.4787</b>

**3.5 Building Construction - 2019**

**Unmitigated Construction On-Site**

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

Tract 21240 Highland - San Bernardino-South Coast County, Summer

**3.5 Building Construction - 2019**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0215	0.6909	0.1405	1.6400e-003	0.0384	4.3200e-003	0.0428	0.0111	4.1300e-003	0.0152		172.8286	172.8286	0.0117		173.1208
Worker	0.1186	0.0789	0.9970	2.3400e-003	0.2236	1.5000e-003	0.2251	0.0593	1.3800e-003	0.0607		233.2832	233.2832	7.8200e-003		233.4787
<b>Total</b>	<b>0.1401</b>	<b>0.7698</b>	<b>1.1375</b>	<b>3.9800e-003</b>	<b>0.2620</b>	<b>5.8200e-003</b>	<b>0.2678</b>	<b>0.0704</b>	<b>5.5100e-003</b>	<b>0.0759</b>		<b>406.1118</b>	<b>406.1118</b>	<b>0.0195</b>		<b>406.5995</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	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
<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>2,591.5802</b>	<b>2,591.5802</b>	<b>0.6313</b>		<b>2,607.3635</b>

Tract 21240 Highland - San Bernardino-South Coast County, Summer

**3.5 Building Construction - 2019**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0215	0.6909	0.1405	1.6400e-003	0.0384	4.3200e-003	0.0428	0.0111	4.1300e-003	0.0152		172.8286	172.8286	0.0117		173.1208
Worker	0.1186	0.0789	0.9970	2.3400e-003	0.2236	1.5000e-003	0.2251	0.0593	1.3800e-003	0.0607		233.2832	233.2832	7.8200e-003		233.4787
<b>Total</b>	<b>0.1401</b>	<b>0.7698</b>	<b>1.1375</b>	<b>3.9800e-003</b>	<b>0.2620</b>	<b>5.8200e-003</b>	<b>0.2678</b>	<b>0.0704</b>	<b>5.5100e-003</b>	<b>0.0759</b>		<b>406.1118</b>	<b>406.1118</b>	<b>0.0195</b>		<b>406.5995</b>

**3.5 Building Construction - 2020**

**Unmitigated Construction On-Site**

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



Tract 21240 Highland - San Bernardino-South Coast County, Summer

**3.5 Building Construction - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0182	0.6332	0.1234	1.6300e-003	0.0384	2.9100e-003	0.0413	0.0111	2.7900e-003	0.0139		171.6608	171.6608	0.0112		171.9396
Worker	0.1092	0.0701	0.8995	2.2700e-003	0.2236	1.4600e-003	0.2250	0.0593	1.3500e-003	0.0606		226.0168	226.0168	6.9000e-003		226.1893
<b>Total</b>	<b>0.1274</b>	<b>0.7032</b>	<b>1.0229</b>	<b>3.9000e-003</b>	<b>0.2620</b>	<b>4.3700e-003</b>	<b>0.2664</b>	<b>0.0704</b>	<b>4.1400e-003</b>	<b>0.0745</b>		<b>397.6777</b>	<b>397.6777</b>	<b>0.0181</b>		<b>398.1289</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	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
<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>0.0000</b>	<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

Tract 21240 Highland - San Bernardino-South Coast County, Summer

**3.5 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0182	0.6332	0.1234	1.6300e-003	0.0384	2.9100e-003	0.0413	0.0111	2.7900e-003	0.0139		171.6608	171.6608	0.0112		171.9396
Worker	0.1092	0.0701	0.8995	2.2700e-003	0.2236	1.4600e-003	0.2250	0.0593	1.3500e-003	0.0606		226.0168	226.0168	6.9000e-003		226.1893
<b>Total</b>	<b>0.1274</b>	<b>0.7032</b>	<b>1.0229</b>	<b>3.9000e-003</b>	<b>0.2620</b>	<b>4.3700e-003</b>	<b>0.2664</b>	<b>0.0704</b>	<b>4.1400e-003</b>	<b>0.0745</b>		<b>397.6777</b>	<b>397.6777</b>	<b>0.0181</b>		<b>398.1289</b>

**3.6 Paving - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.3566</b>	<b>14.0656</b>	<b>14.6521</b>	<b>0.0228</b>		<b>0.7528</b>	<b>0.7528</b>		<b>0.6926</b>	<b>0.6926</b>		<b>2,207.7334</b>	<b>2,207.7334</b>	<b>0.7140</b>		<b>2,225.5841</b>

Tract 21240 Highland - San Bernardino-South Coast County, Summer

**3.6 Paving - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0525	0.6746	1.7000e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		169.5126	169.5126	5.1700e-003		169.6420
<b>Total</b>	<b>0.0819</b>	<b>0.0525</b>	<b>0.6746</b>	<b>1.7000e-003</b>	<b>0.1677</b>	<b>1.1000e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0100e-003</b>	<b>0.0455</b>		<b>169.5126</b>	<b>169.5126</b>	<b>5.1700e-003</b>		<b>169.6420</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	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.3566</b>	<b>14.0656</b>	<b>14.6521</b>	<b>0.0228</b>		<b>0.7528</b>	<b>0.7528</b>		<b>0.6926</b>	<b>0.6926</b>	<b>0.0000</b>	<b>2,207.7334</b>	<b>2,207.7334</b>	<b>0.7140</b>		<b>2,225.5841</b>

Tract 21240 Highland - San Bernardino-South Coast County, Summer

**3.6 Paving - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0819	0.0525	0.6746	1.7000e-003	0.1677	1.1000e-003	0.1688	0.0445	1.0100e-003	0.0455		169.5126	169.5126	5.1700e-003		169.6420
<b>Total</b>	<b>0.0819</b>	<b>0.0525</b>	<b>0.6746</b>	<b>1.7000e-003</b>	<b>0.1677</b>	<b>1.1000e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0100e-003</b>	<b>0.0455</b>		<b>169.5126</b>	<b>169.5126</b>	<b>5.1700e-003</b>		<b>169.6420</b>

**3.7 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.5365					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>31.7787</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

Tract 21240 Highland - San Bernardino-South Coast County, Summer

**3.7 Architectural Coating - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0218	0.0140	0.1799	4.5000e-004	0.0447	2.9000e-004	0.0450	0.0119	2.7000e-004	0.0121		45.2034	45.2034	1.3800e-003		45.2379
<b>Total</b>	<b>0.0218</b>	<b>0.0140</b>	<b>0.1799</b>	<b>4.5000e-004</b>	<b>0.0447</b>	<b>2.9000e-004</b>	<b>0.0450</b>	<b>0.0119</b>	<b>2.7000e-004</b>	<b>0.0121</b>		<b>45.2034</b>	<b>45.2034</b>	<b>1.3800e-003</b>		<b>45.2379</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	lb/day										lb/day					
Archit. Coating	31.5365					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>31.7787</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

Tract 21240 Highland - San Bernardino-South Coast County, Summer

**3.7 Architectural Coating - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0218	0.0140	0.1799	4.5000e-004	0.0447	2.9000e-004	0.0450	0.0119	2.7000e-004	0.0121		45.2034	45.2034	1.3800e-003		45.2379
<b>Total</b>	<b>0.0218</b>	<b>0.0140</b>	<b>0.1799</b>	<b>4.5000e-004</b>	<b>0.0447</b>	<b>2.9000e-004</b>	<b>0.0450</b>	<b>0.0119</b>	<b>2.7000e-004</b>	<b>0.0121</b>		<b>45.2034</b>	<b>45.2034</b>	<b>1.3800e-003</b>		<b>45.2379</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Tract 21240 Highland - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3655	8.5789	16.4429	0.0574	4.0432	0.0493	4.0925	1.0820	0.0464	1.1284		5,844.0005	5,844.0005	0.2994		5,851.4860
Unmitigated	1.3655	8.5789	16.4429	0.0574	4.0432	0.0493	4.0925	1.0820	0.0464	1.1284		5,844.0005	5,844.0005	0.2994		5,851.4860

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	533.12	554.96	482.72	1,807,810	1,807,810
Total	533.12	554.96	482.72	1,807,810	1,807,810

4.3 Trip Type Information

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.546179	0.037976	0.179086	0.122965	0.018430	0.005460	0.017497	0.061396	0.001337	0.001657	0.006117	0.000817	0.001082

5.0 Energy Detail

Historical Energy Use: N

Tract 21240 Highland - San Bernardino-South Coast County, Summer

**5.1 Mitigation Measures Energy**

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0486	0.4152	0.1767	2.6500e-003		0.0336	0.0336		0.0336	0.0336		530.0884	530.0884	0.0102	9.7200e-003	533.2384
NaturalGas Unmitigated	0.0506	0.4326	0.1841	2.7600e-003		0.0350	0.0350		0.0350	0.0350		552.2593	552.2593	0.0106	0.0101	555.5411

**5.2 Energy by Land Use - NaturalGas**

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	4694.2	0.0506	0.4326	0.1841	2.7600e-003		0.0350	0.0350		0.0350	0.0350		552.2593	552.2593	0.0106	0.0101	555.5411
<b>Total</b>		<b>0.0506</b>	<b>0.4326</b>	<b>0.1841</b>	<b>2.7600e-003</b>		<b>0.0350</b>	<b>0.0350</b>		<b>0.0350</b>	<b>0.0350</b>		<b>552.2593</b>	<b>552.2593</b>	<b>0.0106</b>	<b>0.0101</b>	<b>555.5411</b>



Tract 21240 Highland - San Bernardino-South Coast County, Summer

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

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	4.50575	0.0486	0.4152	0.1767	2.6500e-003		0.0336	0.0336		0.0336	0.0336		530.0884	530.0884	0.0102	9.7200e-003	533.2384
<b>Total</b>		<b>0.0486</b>	<b>0.4152</b>	<b>0.1767</b>	<b>2.6500e-003</b>		<b>0.0336</b>	<b>0.0336</b>		<b>0.0336</b>	<b>0.0336</b>		<b>530.0884</b>	<b>530.0884</b>	<b>0.0102</b>	<b>9.7200e-003</b>	<b>533.2384</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Tract 21240 Highland - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	16.9838	1.2155	33.1143	0.0729		4.3032	4.3032		4.3032	4.3032	524.5474	1,016.3189	1,540.8664	1.5724	0.0356	1,590.7863
Unmitigated	16.9838	1.2155	33.1143	0.0729		4.3032	4.3032		4.3032	4.3032	524.5474	1,016.3189	1,540.8664	1.5724	0.0356	1,590.7863

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	0.1728					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	14.6740	1.1619	28.4789	0.0727		4.2778	4.2778		4.2778	4.2778	524.5474	1,008.0000	1,532.5474	1.5643	0.0356	1,582.2645
Landscaping	0.1412	0.0536	4.6354	2.4000e-004		0.0255	0.0255		0.0255	0.0255		8.3189	8.3189	8.1100e-003		8.5217
<b>Total</b>	<b>16.9838</b>	<b>1.2155</b>	<b>33.1143</b>	<b>0.0729</b>		<b>4.3032</b>	<b>4.3032</b>		<b>4.3032</b>	<b>4.3032</b>	<b>524.5474</b>	<b>1,016.3189</b>	<b>1,540.8664</b>	<b>1.5724</b>	<b>0.0356</b>	<b>1,590.7863</b>

Tract 21240 Highland - San Bernardino-South Coast County, Summer

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1728					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	14.6740	1.1619	28.4789	0.0727		4.2778	4.2778		4.2778	4.2778	524.5474	1,008.0000	1,532.5474	1.5643	0.0356	1,582.2645
Landscaping	0.1412	0.0536	4.6354	2.4000e-004		0.0255	0.0255		0.0255	0.0255		8.3189	8.3189	8.1100e-003		8.5217
<b>Total</b>	<b>16.9838</b>	<b>1.2155</b>	<b>33.1143</b>	<b>0.0729</b>		<b>4.3032</b>	<b>4.3032</b>		<b>4.3032</b>	<b>4.3032</b>	<b>524.5474</b>	<b>1,016.3189</b>	<b>1,540.8664</b>	<b>1.5724</b>	<b>0.0356</b>	<b>1,590.7863</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

- Apply Water Conservation Strategy
- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Tract 21240 Highland - San Bernardino-South Coast County, Summer

Institute Recycling and Composting Services

**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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