

# Appendix A

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Air Quality and Greenhouse Gas Emissions Modeling Outputs

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**Vincent Place Residential Project- Proposed Uses**  
**South Coast Air Basin, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	72.00	Dwelling Unit	0.00	85,915.00	206
Single Family Housing	47.00	Dwelling Unit	8.05	115,277.00	134

**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>	9			<b>Operational Year</b>	2026
<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**

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

Project Characteristics -

Land Use - 8.05 acre lot

Construction Phase - Per applicant-provided information

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - Per project TIA

Woodstoves - No woodstoves or wood fireplaces per SCAQMD Rule 445

Energy Use - Houses constructed net zero electricity

Water And Wastewater - Indoor water use reduced by 20% per 2019 CALGreen

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Area Mitigation - Per SCAQMD Rule 1113

Energy Mitigation -

Water Mitigation - Project complies with 2019 CALGreen

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	263.00
tblConstructionPhase	NumDays	230.00	626.00
tblConstructionPhase	NumDays	20.00	148.00
tblConstructionPhase	NumDays	20.00	263.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

## Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	3,795.01	0.00
tblEnergyUse	NT24E	6,155.97	0.00
tblEnergyUse	T24E	243.83	0.00
tblEnergyUse	T24E	443.48	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	3.60	0.00
tblFireplaces	NumberWood	2.35	0.00
tblGrading	MaterialExported	0.00	6,900.00
tblLandUse	LandUseSquareFeet	72,000.00	85,915.00
tblLandUse	LandUseSquareFeet	84,600.00	115,277.00
tblLandUse	LotAcreage	4.50	0.00
tblLandUse	LotAcreage	15.26	8.05
tblTripsAndVMT	HaulingTripNumber	863.00	862.00
tblVehicleTrips	WD_TR	5.81	7.32
tblVehicleTrips	WD_TR	9.52	9.44
tblWater	IndoorWaterUseRate	4,691,089.84	3,752,871.87
tblWater	IndoorWaterUseRate	3,062,239.20	2,449,791.36
tblWoodstoves	NumberCatalytic	3.60	0.00
tblWoodstoves	NumberCatalytic	2.35	0.00
tblWoodstoves	NumberNoncatalytic	3.60	0.00
tblWoodstoves	NumberNoncatalytic	2.35	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**2.0 Emissions Summary**

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2408	33.1279	21.7467	0.0489	18.2675	1.6140	19.8815	9.9840	1.4849	11.4689	0.0000	4,824.889 9	4,824.889 9	1.1970	0.0000	4,852.912 6
2023	1.8530	15.4303	18.7148	0.0372	0.8544	0.7062	1.5606	0.2285	0.6644	0.8929	0.0000	3,602.239 2	3,602.239 2	0.6432	0.0000	3,618.319 5
2024	7.7946	25.2756	35.7877	0.0656	1.1786	1.1513	2.3299	0.3145	1.0768	1.3912	0.0000	6,355.284 1	6,355.284 1	1.3743	0.0000	6,389.642 2
2025	5.9690	9.7811	17.1941	0.0286	0.3242	0.4722	0.7964	0.0860	0.4386	0.5245	0.0000	2,765.014 9	2,765.014 9	0.7350	0.0000	2,783.388 7
<b>Maximum</b>	<b>7.7946</b>	<b>33.1279</b>	<b>35.7877</b>	<b>0.0656</b>	<b>18.2675</b>	<b>1.6140</b>	<b>19.8815</b>	<b>9.9840</b>	<b>1.4849</b>	<b>11.4689</b>	<b>0.0000</b>	<b>6,355.284 1</b>	<b>6,355.284 1</b>	<b>1.3743</b>	<b>0.0000</b>	<b>6,389.642 2</b>



Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.8194	1.7909	10.5224	0.0112		0.1901	0.1901		0.1901	0.1901	0.0000	2,159.6777	2,159.6777	0.0580	0.0393	2,172.8298
Energy	0.0747	0.6383	0.2716	4.0700e-003		0.0516	0.0516		0.0516	0.0516		814.8326	814.8326	0.0156	0.0149	819.6747
Mobile	1.3393	6.0762	17.9042	0.0769	7.2088	0.0533	7.2621	1.9281	0.0495	1.9776		7,854.4335	7,854.4335	0.3227		7,862.5000
<b>Total</b>	<b>6.2333</b>	<b>8.5054</b>	<b>28.6981</b>	<b>0.0922</b>	<b>7.2088</b>	<b>0.2950</b>	<b>7.5038</b>	<b>1.9281</b>	<b>0.2912</b>	<b>2.2193</b>	<b>0.0000</b>	<b>10,828.9438</b>	<b>10,828.9438</b>	<b>0.3963</b>	<b>0.0542</b>	<b>10,855.0045</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	4.8194	1.7909	10.5224	0.0112		0.1901	0.1901		0.1901	0.1901	0.0000	2,159.6777	2,159.6777	0.0580	0.0393	2,172.8298
Energy	0.0747	0.6383	0.2716	4.0700e-003		0.0516	0.0516		0.0516	0.0516		814.8326	814.8326	0.0156	0.0149	819.6747
Mobile	1.3016	5.8872	16.8929	0.0722	6.7374	0.0502	6.7875	1.8020	0.0466	1.8486		7,370.7069	7,370.7069	0.3049		7,378.3287
<b>Total</b>	<b>6.1956</b>	<b>8.3164</b>	<b>27.6869</b>	<b>0.0875</b>	<b>6.7374</b>	<b>0.2919</b>	<b>7.0292</b>	<b>1.8020</b>	<b>0.2883</b>	<b>2.0903</b>	<b>0.0000</b>	<b>10,345.2172</b>	<b>10,345.2172</b>	<b>0.3785</b>	<b>0.0542</b>	<b>10,370.8332</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.61	2.22	3.52	5.15	6.54	1.07	6.32	6.54	1.00	5.81	0.00	4.47	4.47	4.49	0.00	4.46

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2022	6/23/2022	6	20	
2	Site Preparation	Site Preparation	6/29/2022	7/9/2022	6	10	
3	Grading	Grading	7/13/2022	12/31/2022	6	148	
4	Building Construction	Building Construction	1/1/2023	12/31/2024	6	626	
5	Paving	Paving	3/1/2024	1/1/2025	6	263	
6	Architectural Coating	Architectural Coating	3/1/2024	1/1/2025	6	263	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 74

Acres of Paving: 0

Residential Indoor: 407,414; Residential Outdoor: 135,805; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment



## Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

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	223.00	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	862.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	69.00	13.00	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	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**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	lb/day										lb/day					
Fugitive Dust					2.4117	0.0000	2.4117	0.3652	0.0000	0.3652			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>2.4117</b>	<b>1.2427</b>	<b>3.6543</b>	<b>0.3652</b>	<b>1.1553</b>	<b>1.5204</b>		<b>3,746.7812</b>	<b>3,746.7812</b>	<b>1.0524</b>		<b>3,773.0920</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**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	lb/day										lb/day					
Hauling	0.0805	2.6760	0.6318	8.4400e-003	0.1948	7.7900e-003	0.2025	0.0534	7.4500e-003	0.0608		918.0192	918.0192	0.0644		919.6300
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0370	0.5208	1.6100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		160.0895	160.0895	4.0500e-003		160.1906
<b>Total</b>	<b>0.1394</b>	<b>2.7130</b>	<b>1.1527</b>	<b>0.0101</b>	<b>0.3624</b>	<b>9.0000e-003</b>	<b>0.3714</b>	<b>0.0978</b>	<b>8.5600e-003</b>	<b>0.1064</b>		<b>1,078.1087</b>	<b>1,078.1087</b>	<b>0.0685</b>		<b>1,079.8206</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					1.0853	0.0000	1.0853	0.1643	0.0000	0.1643			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>1.0853</b>	<b>1.2427</b>	<b>2.3279</b>	<b>0.1643</b>	<b>1.1553</b>	<b>1.3196</b>	<b>0.0000</b>	<b>3,746.7812</b>	<b>3,746.7812</b>	<b>1.0524</b>		<b>3,773.0920</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**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	lb/day										lb/day					
Hauling	0.0805	2.6760	0.6318	8.4400e-003	0.1948	7.7900e-003	0.2025	0.0534	7.4500e-003	0.0608		918.0192	918.0192	0.0644		919.6300
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0370	0.5208	1.6100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		160.0895	160.0895	4.0500e-003		160.1906
<b>Total</b>	<b>0.1394</b>	<b>2.7130</b>	<b>1.1527</b>	<b>0.0101</b>	<b>0.3624</b>	<b>9.0000e-003</b>	<b>0.3714</b>	<b>0.0978</b>	<b>8.5600e-003</b>	<b>0.1064</b>		<b>1,078.1087</b>	<b>1,078.1087</b>	<b>0.0685</b>		<b>1,079.8206</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	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			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>18.0663</b>	<b>1.6126</b>	<b>19.6788</b>	<b>9.9307</b>	<b>1.4836</b>	<b>11.4143</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0444	0.6250	1.9300e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		192.1074	192.1074	4.8500e-003		192.2287
<b>Total</b>	<b>0.0707</b>	<b>0.0444</b>	<b>0.6250</b>	<b>1.9300e-003</b>	<b>0.2012</b>	<b>1.4500e-003</b>	<b>0.2026</b>	<b>0.0534</b>	<b>1.3300e-003</b>	<b>0.0547</b>		<b>192.1074</b>	<b>192.1074</b>	<b>4.8500e-003</b>		<b>192.2287</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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			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>8.1298</b>	<b>1.6126</b>	<b>9.7424</b>	<b>4.4688</b>	<b>1.4836</b>	<b>5.9524</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0444	0.6250	1.9300e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		192.1074	192.1074	4.8500e-003		192.2287
<b>Total</b>	<b>0.0707</b>	<b>0.0444</b>	<b>0.6250</b>	<b>1.9300e-003</b>	<b>0.2012</b>	<b>1.4500e-003</b>	<b>0.2026</b>	<b>0.0534</b>	<b>1.3300e-003</b>	<b>0.0547</b>		<b>192.1074</b>	<b>192.1074</b>	<b>4.8500e-003</b>		<b>192.2287</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	lb/day										lb/day					
Fugitive Dust					6.5576	0.0000	6.5576	3.3683	0.0000	3.3683			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>6.5576</b>	<b>0.9409</b>	<b>7.4985</b>	<b>3.3683</b>	<b>0.8656</b>	<b>4.2339</b>		<b>2,872.0464</b>	<b>2,872.0464</b>	<b>0.9289</b>		<b>2,895.2684</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**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	lb/day										lb/day					
Hauling	0.0421	1.3978	0.3300	4.4100e-003	0.1017	4.0700e-003	0.1058	0.0279	3.8900e-003	0.0318		479.5374	479.5374	0.0337		480.3788
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0370	0.5208	1.6100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		160.0895	160.0895	4.0500e-003		160.1906
<b>Total</b>	<b>0.1010</b>	<b>1.4348</b>	<b>0.8509</b>	<b>6.0200e-003</b>	<b>0.2694</b>	<b>5.2800e-003</b>	<b>0.2747</b>	<b>0.0723</b>	<b>5.0000e-003</b>	<b>0.0774</b>		<b>639.6269</b>	<b>639.6269</b>	<b>0.0377</b>		<b>640.5694</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					2.9509	0.0000	2.9509	1.5157	0.0000	1.5157			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>2.9509</b>	<b>0.9409</b>	<b>3.8918</b>	<b>1.5157</b>	<b>0.8656</b>	<b>2.3813</b>	<b>0.0000</b>	<b>2,872.0464</b>	<b>2,872.0464</b>	<b>0.9289</b>		<b>2,895.2684</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**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	lb/day										lb/day					
Hauling	0.0421	1.3978	0.3300	4.4100e-003	0.1017	4.0700e-003	0.1058	0.0279	3.8900e-003	0.0318		479.5374	479.5374	0.0337		480.3788
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0370	0.5208	1.6100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		160.0895	160.0895	4.0500e-003		160.1906
<b>Total</b>	<b>0.1010</b>	<b>1.4348</b>	<b>0.8509</b>	<b>6.0200e-003</b>	<b>0.2694</b>	<b>5.2800e-003</b>	<b>0.2747</b>	<b>0.0723</b>	<b>5.0000e-003</b>	<b>0.0774</b>		<b>639.6269</b>	<b>639.6269</b>	<b>0.0377</b>		<b>640.5694</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	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>



Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0255	0.8915	0.2584	3.1500e-003	0.0832	1.0200e-003	0.0842	0.0240	9.8000e-004	0.0249		338.0474	338.0474	0.0186		338.5119
Worker	0.2547	0.1540	2.2124	7.1100e-003	0.7713	5.4000e-003	0.7767	0.2045	4.9700e-003	0.2095		708.9819	708.9819	0.0168		709.4015
<b>Total</b>	<b>0.2802</b>	<b>1.0454</b>	<b>2.4708</b>	<b>0.0103</b>	<b>0.8544</b>	<b>6.4200e-003</b>	<b>0.8609</b>	<b>0.2285</b>	<b>5.9500e-003</b>	<b>0.2344</b>		<b>1,047.0293</b>	<b>1,047.0293</b>	<b>0.0354</b>		<b>1,047.9134</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	1.5728	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>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0255	0.8915	0.2584	3.1500e-003	0.0832	1.0200e-003	0.0842	0.0240	9.8000e-004	0.0249		338.0474	338.0474	0.0186		338.5119
Worker	0.2547	0.1540	2.2124	7.1100e-003	0.7713	5.4000e-003	0.7767	0.2045	4.9700e-003	0.2095		708.9819	708.9819	0.0168		709.4015
<b>Total</b>	<b>0.2802</b>	<b>1.0454</b>	<b>2.4708</b>	<b>0.0103</b>	<b>0.8544</b>	<b>6.4200e-003</b>	<b>0.8609</b>	<b>0.2285</b>	<b>5.9500e-003</b>	<b>0.2344</b>		<b>1,047.0293</b>	<b>1,047.0293</b>	<b>0.0354</b>		<b>1,047.9134</b>

**3.5 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**3.5 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0249	0.8891	0.2510	3.1400e-003	0.0832	1.0100e-003	0.0842	0.0240	9.7000e-004	0.0249		336.8080	336.8080	0.0183		337.2657
Worker	0.2411	0.1403	2.0658	6.8800e-003	0.7713	5.3300e-003	0.7766	0.2045	4.9000e-003	0.2094		685.6220	685.6220	0.0154		686.0067
<b>Total</b>	<b>0.2660</b>	<b>1.0294</b>	<b>2.3168</b>	<b>0.0100</b>	<b>0.8544</b>	<b>6.3400e-003</b>	<b>0.8608</b>	<b>0.2285</b>	<b>5.8700e-003</b>	<b>0.2344</b>		<b>1,022.4300</b>	<b>1,022.4300</b>	<b>0.0337</b>		<b>1,023.2723</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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**3.5 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0249	0.8891	0.2510	3.1400e-003	0.0832	1.0100e-003	0.0842	0.0240	9.7000e-004	0.0249		336.8080	336.8080	0.0183		337.2657
Worker	0.2411	0.1403	2.0658	6.8800e-003	0.7713	5.3300e-003	0.7766	0.2045	4.9000e-003	0.2094		685.6220	685.6220	0.0154		686.0067
<b>Total</b>	<b>0.2660</b>	<b>1.0294</b>	<b>2.3168</b>	<b>0.0100</b>	<b>0.8544</b>	<b>6.3400e-003</b>	<b>0.8608</b>	<b>0.2285</b>	<b>5.8700e-003</b>	<b>0.2344</b>		<b>1,022.4300</b>	<b>1,022.4300</b>	<b>0.0337</b>		<b>1,023.2723</b>

**3.6 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9882</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>		<b>2,207.5472</b>	<b>2,207.5472</b>	<b>0.7140</b>		<b>2,225.3963</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**3.6 Paving - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0524	0.0305	0.4491	1.4900e-003	0.1677	1.1600e-003	0.1688	0.0445	1.0700e-003	0.0455		149.0483	149.0483	3.3400e-003		149.1319
<b>Total</b>	<b>0.0524</b>	<b>0.0305</b>	<b>0.4491</b>	<b>1.4900e-003</b>	<b>0.1677</b>	<b>1.1600e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0700e-003</b>	<b>0.0455</b>		<b>149.0483</b>	<b>149.0483</b>	<b>3.3400e-003</b>		<b>149.1319</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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9882</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>	<b>0.0000</b>	<b>2,207.5472</b>	<b>2,207.5472</b>	<b>0.7140</b>		<b>2,225.3963</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**3.6 Paving - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0524	0.0305	0.4491	1.4900e-003	0.1677	1.1600e-003	0.1688	0.0445	1.0700e-003	0.0455		149.0483	149.0483	3.3400e-003		149.1319
<b>Total</b>	<b>0.0524</b>	<b>0.0305</b>	<b>0.4491</b>	<b>1.4900e-003</b>	<b>0.1677</b>	<b>1.1600e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0700e-003</b>	<b>0.0455</b>		<b>149.0483</b>	<b>149.0483</b>	<b>3.3400e-003</b>		<b>149.1319</b>

**3.6 Paving - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**3.6 Paving - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0498	0.0279	0.4174	1.4400e-003	0.1677	1.1400e-003	0.1688	0.0445	1.0500e-003	0.0455		143.1836	143.1836	3.0500e-003		143.2599
<b>Total</b>	<b>0.0498</b>	<b>0.0279</b>	<b>0.4174</b>	<b>1.4400e-003</b>	<b>0.1677</b>	<b>1.1400e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0500e-003</b>	<b>0.0455</b>		<b>143.1836</b>	<b>143.1836</b>	<b>3.0500e-003</b>		<b>143.2599</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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**3.6 Paving - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0498	0.0279	0.4174	1.4400e-003	0.1677	1.1400e-003	0.1688	0.0445	1.0500e-003	0.0455		143.1836	143.1836	3.0500e-003		143.2599
<b>Total</b>	<b>0.0498</b>	<b>0.0279</b>	<b>0.4174</b>	<b>1.4400e-003</b>	<b>0.1677</b>	<b>1.1400e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0500e-003</b>	<b>0.0455</b>		<b>143.1836</b>	<b>143.1836</b>	<b>3.0500e-003</b>		<b>143.2599</b>

**3.7 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.7867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>4.9675</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>



Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**3.7 Architectural Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0489	0.0285	0.4191	1.4000e-003	0.1565	1.0800e-003	0.1576	0.0415	9.9000e-004	0.0425		139.1117	139.1117	3.1200e-003		139.1898
<b>Total</b>	<b>0.0489</b>	<b>0.0285</b>	<b>0.4191</b>	<b>1.4000e-003</b>	<b>0.1565</b>	<b>1.0800e-003</b>	<b>0.1576</b>	<b>0.0415</b>	<b>9.9000e-004</b>	<b>0.0425</b>		<b>139.1117</b>	<b>139.1117</b>	<b>3.1200e-003</b>		<b>139.1898</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	4.7867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>4.9675</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**3.7 Architectural Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0489	0.0285	0.4191	1.4000e-003	0.1565	1.0800e-003	0.1576	0.0415	9.9000e-004	0.0425		139.1117	139.1117	3.1200e-003		139.1898
<b>Total</b>	<b>0.0489</b>	<b>0.0285</b>	<b>0.4191</b>	<b>1.4000e-003</b>	<b>0.1565</b>	<b>1.0800e-003</b>	<b>0.1576</b>	<b>0.0415</b>	<b>9.9000e-004</b>	<b>0.0425</b>		<b>139.1117</b>	<b>139.1117</b>	<b>3.1200e-003</b>		<b>139.1898</b>

**3.7 Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.7867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>4.9576</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**3.7 Architectural Coating - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0465	0.0260	0.3896	1.3400e-003	0.1565	1.0600e-003	0.1576	0.0415	9.8000e-004	0.0425		133.6381	133.6381	2.8500e-003		133.7092
<b>Total</b>	<b>0.0465</b>	<b>0.0260</b>	<b>0.3896</b>	<b>1.3400e-003</b>	<b>0.1565</b>	<b>1.0600e-003</b>	<b>0.1576</b>	<b>0.0415</b>	<b>9.8000e-004</b>	<b>0.0425</b>		<b>133.6381</b>	<b>133.6381</b>	<b>2.8500e-003</b>		<b>133.7092</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	4.7867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>4.9576</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**3.7 Architectural Coating - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0465	0.0260	0.3896	1.3400e-003	0.1565	1.0600e-003	0.1576	0.0415	9.8000e-004	0.0425		133.6381	133.6381	2.8500e-003		133.7092
<b>Total</b>	<b>0.0465</b>	<b>0.0260</b>	<b>0.3896</b>	<b>1.3400e-003</b>	<b>0.1565</b>	<b>1.0600e-003</b>	<b>0.1576</b>	<b>0.0415</b>	<b>9.8000e-004</b>	<b>0.0425</b>		<b>133.6381</b>	<b>133.6381</b>	<b>2.8500e-003</b>		<b>133.7092</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Increase Density

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, 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	1.3016	5.8872	16.8929	0.0722	6.7374	0.0502	6.7875	1.8020	0.0466	1.8486		7,370.7069	7,370.7069	0.3049		7,378.3287
Unmitigated	1.3393	6.0762	17.9042	0.0769	7.2088	0.0533	7.2621	1.9281	0.0495	1.9776		7,854.4335	7,854.4335	0.3227		7,862.5000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	527.04	408.24	348.48	1,655,815	1,547,534
Single Family Housing	443.68	465.77	405.14	1,508,092	1,409,470
Total	970.72	874.01	753.62	3,163,907	2,957,004

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
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
Condo/Townhouse	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811
Single Family Housing	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0747	0.6383	0.2716	4.0700e-003		0.0516	0.0516		0.0516	0.0516		814.8326	814.8326	0.0156	0.0149	819.6747
NaturalGas Unmitigated	0.0747	0.6383	0.2716	4.0700e-003		0.0516	0.0516		0.0516	0.0516		814.8326	814.8326	0.0156	0.0149	819.6747

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	3388.25	0.0365	0.3123	0.1329	1.9900e-003		0.0253	0.0253		0.0253	0.0253		398.6180	398.6180	7.6400e-003	7.3100e-003	400.9868
Single Family Housing	3537.82	0.0382	0.3260	0.1387	2.0800e-003		0.0264	0.0264		0.0264	0.0264		416.2146	416.2146	7.9800e-003	7.6300e-003	418.6879
<b>Total</b>		<b>0.0747</b>	<b>0.6383</b>	<b>0.2716</b>	<b>4.0700e-003</b>		<b>0.0516</b>	<b>0.0516</b>		<b>0.0516</b>	<b>0.0516</b>		<b>814.8326</b>	<b>814.8326</b>	<b>0.0156</b>	<b>0.0149</b>	<b>819.6747</b>

**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					
Condo/Townhouse	3.38825	0.0365	0.3123	0.1329	1.9900e-003		0.0253	0.0253		0.0253	0.0253		398.6180	398.6180	7.6400e-003	7.3100e-003	400.9868
Single Family Housing	3.53782	0.0382	0.3260	0.1387	2.0800e-003		0.0264	0.0264		0.0264	0.0264		416.2146	416.2146	7.9800e-003	7.6300e-003	418.6879
<b>Total</b>		<b>0.0747</b>	<b>0.6383</b>	<b>0.2716</b>	<b>4.0700e-003</b>		<b>0.0516</b>	<b>0.0516</b>		<b>0.0516</b>	<b>0.0516</b>		<b>814.8326</b>	<b>814.8326</b>	<b>0.0156</b>	<b>0.0149</b>	<b>819.6747</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.8194	1.7909	10.5224	0.0112		0.1901	0.1901		0.1901	0.1901	0.0000	2,159.6777	2,159.6777	0.0580	0.0393	2,172.8298
Unmitigated	4.8194	1.7909	10.5224	0.0112		0.1901	0.1901		0.1901	0.1901	0.0000	2,159.6777	2,159.6777	0.0580	0.0393	2,172.8298



Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**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	0.3449					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9836					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1964	1.6779	0.7140	0.0107		0.1357	0.1357		0.1357	0.1357	0.0000	2,142.0000	2,142.0000	0.0411	0.0393	2,154.7288
Landscaping	0.2945	0.1130	9.8084	5.2000e-004		0.0544	0.0544		0.0544	0.0544		17.6777	17.6777	0.0169		18.1009
<b>Total</b>	<b>4.8194</b>	<b>1.7909</b>	<b>10.5224</b>	<b>0.0112</b>		<b>0.1901</b>	<b>0.1901</b>		<b>0.1901</b>	<b>0.1901</b>	<b>0.0000</b>	<b>2,159.6777</b>	<b>2,159.6777</b>	<b>0.0580</b>	<b>0.0393</b>	<b>2,172.8298</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, 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	0.3449					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9836					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1964	1.6779	0.7140	0.0107		0.1357	0.1357		0.1357	0.1357	0.0000	2,142.0000	2,142.0000	0.0411	0.0393	2,154.7288
Landscaping	0.2945	0.1130	9.8084	5.2000e-004		0.0544	0.0544		0.0544	0.0544		17.6777	17.6777	0.0169		18.1009
<b>Total</b>	<b>4.8194</b>	<b>1.7909</b>	<b>10.5224</b>	<b>0.0112</b>		<b>0.1901</b>	<b>0.1901</b>		<b>0.1901</b>	<b>0.1901</b>	<b>0.0000</b>	<b>2,159.6777</b>	<b>2,159.6777</b>	<b>0.0580</b>	<b>0.0393</b>	<b>2,172.8298</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Use Water Efficient Irrigation System

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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## Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Summer

**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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Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**Vincent Place Residential Project- Proposed Uses**  
**South Coast Air Basin, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	72.00	Dwelling Unit	0.00	85,915.00	206
Single Family Housing	47.00	Dwelling Unit	8.05	115,277.00	134

**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>	9			<b>Operational Year</b>	2026
<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**

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

Project Characteristics -

Land Use - 8.05 acre lot

Construction Phase - Per applicant-provided information

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - Per project TIA

Woodstoves - No woodstoves or wood fireplaces per SCAQMD Rule 445

Energy Use - Houses constructed net zero electricity

Water And Wastewater - Indoor water use reduced by 20% per 2019 CALGreen

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Area Mitigation - Per SCAQMD Rule 1113

Energy Mitigation -

Water Mitigation - Project complies with 2019 CALGreen

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	263.00
tblConstructionPhase	NumDays	230.00	626.00
tblConstructionPhase	NumDays	20.00	148.00
tblConstructionPhase	NumDays	20.00	263.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

## Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	3,795.01	0.00
tblEnergyUse	NT24E	6,155.97	0.00
tblEnergyUse	T24E	243.83	0.00
tblEnergyUse	T24E	443.48	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	3.60	0.00
tblFireplaces	NumberWood	2.35	0.00
tblGrading	MaterialExported	0.00	6,900.00
tblLandUse	LandUseSquareFeet	72,000.00	85,915.00
tblLandUse	LandUseSquareFeet	84,600.00	115,277.00
tblLandUse	LotAcreage	4.50	0.00
tblLandUse	LotAcreage	15.26	8.05
tblTripsAndVMT	HaulingTripNumber	863.00	862.00
tblVehicleTrips	WD_TR	5.81	7.32
tblVehicleTrips	WD_TR	9.52	9.44
tblWater	IndoorWaterUseRate	4,691,089.84	3,752,871.87
tblWater	IndoorWaterUseRate	3,062,239.20	2,449,791.36
tblWoodstoves	NumberCatalytic	3.60	0.00
tblWoodstoves	NumberCatalytic	2.35	0.00
tblWoodstoves	NumberNoncatalytic	3.60	0.00
tblWoodstoves	NumberNoncatalytic	2.35	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**2.0 Emissions Summary**

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2482	33.1323	21.7363	0.0486	18.2675	1.6140	19.8815	9.9840	1.4849	11.4689	0.0000	4,799.050 2	4,799.050 2	1.1967	0.0000	4,827.124 7
2023	1.8818	15.4406	18.5216	0.0367	0.8544	0.7062	1.5607	0.2285	0.6644	0.8929	0.0000	3,549.097 0	3,549.097 0	0.6432	0.0000	3,565.177 8
2024	7.8340	25.2904	35.5185	0.0650	1.1786	1.1514	2.3300	0.3145	1.0768	1.3913	0.0000	6,285.697 5	6,285.697 5	1.3740	0.0000	6,320.046 3
2025	5.9800	9.7863	17.1129	0.0284	0.3242	0.4722	0.7964	0.0860	0.4386	0.5245	0.0000	2,747.794 3	2,747.794 3	0.7346	0.0000	2,766.158 1
<b>Maximum</b>	<b>7.8340</b>	<b>33.1323</b>	<b>35.5185</b>	<b>0.0650</b>	<b>18.2675</b>	<b>1.6140</b>	<b>19.8815</b>	<b>9.9840</b>	<b>1.4849</b>	<b>11.4689</b>	<b>0.0000</b>	<b>6,285.697 5</b>	<b>6,285.697 5</b>	<b>1.3740</b>	<b>0.0000</b>	<b>6,320.046 3</b>





Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.8194	1.7909	10.5224	0.0112		0.1901	0.1901		0.1901	0.1901	0.0000	2,159.6777	2,159.6777	0.0580	0.0393	2,172.8298
Energy	0.0747	0.6383	0.2716	4.0700e-003		0.0516	0.0516		0.0516	0.0516		814.8326	814.8326	0.0156	0.0149	819.6747
Mobile	1.2815	6.1864	16.7664	0.0731	7.2088	0.0535	7.2623	1.9281	0.0497	1.9778		7,464.9759	7,464.9759	0.3226		7,473.0407
<b>Total</b>	<b>6.1755</b>	<b>8.6156</b>	<b>27.5604</b>	<b>0.0884</b>	<b>7.2088</b>	<b>0.2952</b>	<b>7.5040</b>	<b>1.9281</b>	<b>0.2914</b>	<b>2.2195</b>	<b>0.0000</b>	<b>10,439.4862</b>	<b>10,439.4862</b>	<b>0.3962</b>	<b>0.0542</b>	<b>10,465.5452</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	4.8194	1.7909	10.5224	0.0112		0.1901	0.1901		0.1901	0.1901	0.0000	2,159.6777	2,159.6777	0.0580	0.0393	2,172.8298
Energy	0.0747	0.6383	0.2716	4.0700e-003		0.0516	0.0516		0.0516	0.0516		814.8326	814.8326	0.0156	0.0149	819.6747
Mobile	1.2446	5.9863	15.8600	0.0685	6.7374	0.0504	6.7877	1.8020	0.0468	1.8488		7,003.8134	7,003.8134	0.3052		7,011.4443
<b>Total</b>	<b>6.1387</b>	<b>8.4155</b>	<b>26.6539</b>	<b>0.0838</b>	<b>6.7374</b>	<b>0.2920</b>	<b>7.0294</b>	<b>1.8020</b>	<b>0.2884</b>	<b>2.0904</b>	<b>0.0000</b>	<b>9,978.3237</b>	<b>9,978.3237</b>	<b>0.3788</b>	<b>0.0542</b>	<b>10,003.9488</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.60	2.32	3.29	5.12	6.54	1.07	6.32	6.54	1.00	5.81	0.00	4.42	4.42	4.38	0.00	4.41

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2022	6/23/2022	6	20	
2	Site Preparation	Site Preparation	6/29/2022	7/9/2022	6	10	
3	Grading	Grading	7/13/2022	12/31/2022	6	148	
4	Building Construction	Building Construction	1/1/2023	12/31/2024	6	626	
5	Paving	Paving	3/1/2024	1/1/2025	6	263	
6	Architectural Coating	Architectural Coating	3/1/2024	1/1/2025	6	263	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 74

Acres of Paving: 0

Residential Indoor: 407,414; Residential Outdoor: 135,805; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

## Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

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	223.00	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	862.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	69.00	13.00	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	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**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	lb/day										lb/day					
Fugitive Dust					2.4117	0.0000	2.4117	0.3652	0.0000	0.3652			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>2.4117</b>	<b>1.2427</b>	<b>3.6543</b>	<b>0.3652</b>	<b>1.1553</b>	<b>1.5204</b>		<b>3,746.7812</b>	<b>3,746.7812</b>	<b>1.0524</b>		<b>3,773.0920</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**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	lb/day										lb/day					
Hauling	0.0826	2.7064	0.6717	8.2900e-003	0.1948	7.9100e-003	0.2027	0.0534	7.5700e-003	0.0609		902.1222	902.1222	0.0668		903.7913
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0406	0.4706	1.5100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		150.1468	150.1468	3.7800e-003		150.2414
<b>Total</b>	<b>0.1477</b>	<b>2.7470</b>	<b>1.1423</b>	<b>9.8000e-003</b>	<b>0.3624</b>	<b>9.1200e-003</b>	<b>0.3715</b>	<b>0.0978</b>	<b>8.6800e-003</b>	<b>0.1065</b>		<b>1,052.2690</b>	<b>1,052.2690</b>	<b>0.0706</b>		<b>1,054.0327</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					1.0853	0.0000	1.0853	0.1643	0.0000	0.1643			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>1.0853</b>	<b>1.2427</b>	<b>2.3279</b>	<b>0.1643</b>	<b>1.1553</b>	<b>1.3196</b>	<b>0.0000</b>	<b>3,746.7812</b>	<b>3,746.7812</b>	<b>1.0524</b>		<b>3,773.0920</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**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	lb/day										lb/day					
Hauling	0.0826	2.7064	0.6717	8.2900e-003	0.1948	7.9100e-003	0.2027	0.0534	7.5700e-003	0.0609		902.1222	902.1222	0.0668		903.7913
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0406	0.4706	1.5100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		150.1468	150.1468	3.7800e-003		150.2414
<b>Total</b>	<b>0.1477</b>	<b>2.7470</b>	<b>1.1423</b>	<b>9.8000e-003</b>	<b>0.3624</b>	<b>9.1200e-003</b>	<b>0.3715</b>	<b>0.0978</b>	<b>8.6800e-003</b>	<b>0.1065</b>		<b>1,052.2690</b>	<b>1,052.2690</b>	<b>0.0706</b>		<b>1,054.0327</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	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			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>18.0663</b>	<b>1.6126</b>	<b>19.6788</b>	<b>9.9307</b>	<b>1.4836</b>	<b>11.4143</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0781	0.0487	0.5647	1.8100e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		180.1762	180.1762	4.5400e-003		180.2897
<b>Total</b>	<b>0.0781</b>	<b>0.0487</b>	<b>0.5647</b>	<b>1.8100e-003</b>	<b>0.2012</b>	<b>1.4500e-003</b>	<b>0.2026</b>	<b>0.0534</b>	<b>1.3300e-003</b>	<b>0.0547</b>		<b>180.1762</b>	<b>180.1762</b>	<b>4.5400e-003</b>		<b>180.2897</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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			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>8.1298</b>	<b>1.6126</b>	<b>9.7424</b>	<b>4.4688</b>	<b>1.4836</b>	<b>5.9524</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0781	0.0487	0.5647	1.8100e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		180.1762	180.1762	4.5400e-003		180.2897
<b>Total</b>	<b>0.0781</b>	<b>0.0487</b>	<b>0.5647</b>	<b>1.8100e-003</b>	<b>0.2012</b>	<b>1.4500e-003</b>	<b>0.2026</b>	<b>0.0534</b>	<b>1.3300e-003</b>	<b>0.0547</b>		<b>180.1762</b>	<b>180.1762</b>	<b>4.5400e-003</b>		<b>180.2897</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	lb/day										lb/day					
Fugitive Dust					6.5576	0.0000	6.5576	3.3683	0.0000	3.3683			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>6.5576</b>	<b>0.9409</b>	<b>7.4985</b>	<b>3.3683</b>	<b>0.8656</b>	<b>4.2339</b>		<b>2,872.0464</b>	<b>2,872.0464</b>	<b>0.9289</b>		<b>2,895.2684</b>



Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**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	lb/day										lb/day					
Hauling	0.0432	1.4137	0.3508	4.3300e-003	0.1017	4.1300e-003	0.1059	0.0279	3.9500e-003	0.0318		471.2334	471.2334	0.0349		472.1053
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0406	0.4706	1.5100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		150.1468	150.1468	3.7800e-003		150.2414
<b>Total</b>	<b>0.1082</b>	<b>1.4543</b>	<b>0.8215</b>	<b>5.8400e-003</b>	<b>0.2694</b>	<b>5.3400e-003</b>	<b>0.2747</b>	<b>0.0723</b>	<b>5.0600e-003</b>	<b>0.0774</b>		<b>621.3802</b>	<b>621.3802</b>	<b>0.0387</b>		<b>622.3467</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					2.9509	0.0000	2.9509	1.5157	0.0000	1.5157			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>2.9509</b>	<b>0.9409</b>	<b>3.8918</b>	<b>1.5157</b>	<b>0.8656</b>	<b>2.3813</b>	<b>0.0000</b>	<b>2,872.0464</b>	<b>2,872.0464</b>	<b>0.9289</b>		<b>2,895.2684</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**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	lb/day										lb/day					
Hauling	0.0432	1.4137	0.3508	4.3300e-003	0.1017	4.1300e-003	0.1059	0.0279	3.9500e-003	0.0318		471.2334	471.2334	0.0349		472.1053
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0406	0.4706	1.5100e-003	0.1677	1.2100e-003	0.1689	0.0445	1.1100e-003	0.0456		150.1468	150.1468	3.7800e-003		150.2414
<b>Total</b>	<b>0.1082</b>	<b>1.4543</b>	<b>0.8215</b>	<b>5.8400e-003</b>	<b>0.2694</b>	<b>5.3400e-003</b>	<b>0.2747</b>	<b>0.0723</b>	<b>5.0600e-003</b>	<b>0.0774</b>		<b>621.3802</b>	<b>621.3802</b>	<b>0.0387</b>		<b>622.3467</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	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>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0268	0.8867	0.2823	3.0700e-003	0.0832	1.0700e-003	0.0843	0.0240	1.0300e-003	0.0250		328.9392	328.9392	0.0197		329.4318
Worker	0.2823	0.1690	1.9953	6.6700e-003	0.7713	5.4000e-003	0.7767	0.2045	4.9700e-003	0.2095		664.9479	664.9479	0.0157		665.3399
<b>Total</b>	<b>0.3091</b>	<b>1.0557</b>	<b>2.2776</b>	<b>9.7400e-003</b>	<b>0.8544</b>	<b>6.4700e-003</b>	<b>0.8609</b>	<b>0.2285</b>	<b>6.0000e-003</b>	<b>0.2345</b>		<b>993.8870</b>	<b>993.8870</b>	<b>0.0354</b>		<b>994.7717</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	1.5728	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>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0268	0.8867	0.2823	3.0700e-003	0.0832	1.0700e-003	0.0843	0.0240	1.0300e-003	0.0250		328.9392	328.9392	0.0197		329.4318
Worker	0.2823	0.1690	1.9953	6.6700e-003	0.7713	5.4000e-003	0.7767	0.2045	4.9700e-003	0.2095		664.9479	664.9479	0.0157		665.3399
<b>Total</b>	<b>0.3091</b>	<b>1.0557</b>	<b>2.2776</b>	<b>9.7400e-003</b>	<b>0.8544</b>	<b>6.4700e-003</b>	<b>0.8609</b>	<b>0.2285</b>	<b>6.0000e-003</b>	<b>0.2345</b>		<b>993.8870</b>	<b>993.8870</b>	<b>0.0354</b>		<b>994.7717</b>

**3.5 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**3.5 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0262	0.8846	0.2742	3.0600e-003	0.0832	1.0600e-003	0.0842	0.0240	1.0100e-003	0.0250		327.7977	327.7977	0.0194		328.2827
Worker	0.2680	0.1540	1.8599	6.4500e-003	0.7713	5.3300e-003	0.7766	0.2045	4.9000e-003	0.2094		642.9713	642.9713	0.0144		643.3302
<b>Total</b>	<b>0.2941</b>	<b>1.0385</b>	<b>2.1341</b>	<b>9.5100e-003</b>	<b>0.8544</b>	<b>6.3900e-003</b>	<b>0.8608</b>	<b>0.2285</b>	<b>5.9100e-003</b>	<b>0.2344</b>		<b>970.7690</b>	<b>970.7690</b>	<b>0.0338</b>		<b>971.6129</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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**3.5 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0262	0.8846	0.2742	3.0600e-003	0.0832	1.0600e-003	0.0842	0.0240	1.0100e-003	0.0250		327.7977	327.7977	0.0194		328.2827
Worker	0.2680	0.1540	1.8599	6.4500e-003	0.7713	5.3300e-003	0.7766	0.2045	4.9000e-003	0.2094		642.9713	642.9713	0.0144		643.3302
<b>Total</b>	<b>0.2941</b>	<b>1.0385</b>	<b>2.1341</b>	<b>9.5100e-003</b>	<b>0.8544</b>	<b>6.3900e-003</b>	<b>0.8608</b>	<b>0.2285</b>	<b>5.9100e-003</b>	<b>0.2344</b>		<b>970.7690</b>	<b>970.7690</b>	<b>0.0338</b>		<b>971.6129</b>

**3.6 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9882</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>		<b>2,207.5472</b>	<b>2,207.5472</b>	<b>0.7140</b>		<b>2,225.3963</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**3.6 Paving - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0583	0.0335	0.4043	1.4000e-003	0.1677	1.1600e-003	0.1688	0.0445	1.0700e-003	0.0455		139.7764	139.7764	3.1200e-003		139.8544
<b>Total</b>	<b>0.0583</b>	<b>0.0335</b>	<b>0.4043</b>	<b>1.4000e-003</b>	<b>0.1677</b>	<b>1.1600e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0700e-003</b>	<b>0.0455</b>		<b>139.7764</b>	<b>139.7764</b>	<b>3.1200e-003</b>		<b>139.8544</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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9882</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>	<b>0.0000</b>	<b>2,207.5472</b>	<b>2,207.5472</b>	<b>0.7140</b>		<b>2,225.3963</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**3.6 Paving - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0583	0.0335	0.4043	1.4000e-003	0.1677	1.1600e-003	0.1688	0.0445	1.0700e-003	0.0455		139.7764	139.7764	3.1200e-003		139.8544
<b>Total</b>	<b>0.0583</b>	<b>0.0335</b>	<b>0.4043</b>	<b>1.4000e-003</b>	<b>0.1677</b>	<b>1.1600e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0700e-003</b>	<b>0.0455</b>		<b>139.7764</b>	<b>139.7764</b>	<b>3.1200e-003</b>		<b>139.8544</b>

**3.6 Paving - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>



Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**3.6 Paving - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0306	0.3754	1.3500e-003	0.1677	1.1400e-003	0.1688	0.0445	1.0500e-003	0.0455		134.2764	134.2764	2.8400e-003		134.3475
<b>Total</b>	<b>0.0555</b>	<b>0.0306</b>	<b>0.3754</b>	<b>1.3500e-003</b>	<b>0.1677</b>	<b>1.1400e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0500e-003</b>	<b>0.0455</b>		<b>134.2764</b>	<b>134.2764</b>	<b>2.8400e-003</b>		<b>134.3475</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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**3.6 Paving - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0306	0.3754	1.3500e-003	0.1677	1.1400e-003	0.1688	0.0445	1.0500e-003	0.0455		134.2764	134.2764	2.8400e-003		134.3475
<b>Total</b>	<b>0.0555</b>	<b>0.0306</b>	<b>0.3754</b>	<b>1.3500e-003</b>	<b>0.1677</b>	<b>1.1400e-003</b>	<b>0.1688</b>	<b>0.0445</b>	<b>1.0500e-003</b>	<b>0.0455</b>		<b>134.2764</b>	<b>134.2764</b>	<b>2.8400e-003</b>		<b>134.3475</b>

**3.7 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.7867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>4.9675</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**3.7 Architectural Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0544	0.0312	0.3774	1.3100e-003	0.1565	1.0800e-003	0.1576	0.0415	9.9000e-004	0.0425		130.4580	130.4580	2.9100e-003		130.5308
<b>Total</b>	<b>0.0544</b>	<b>0.0312</b>	<b>0.3774</b>	<b>1.3100e-003</b>	<b>0.1565</b>	<b>1.0800e-003</b>	<b>0.1576</b>	<b>0.0415</b>	<b>9.9000e-004</b>	<b>0.0425</b>		<b>130.4580</b>	<b>130.4580</b>	<b>2.9100e-003</b>		<b>130.5308</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	4.7867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>4.9675</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**3.7 Architectural Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0544	0.0312	0.3774	1.3100e-003	0.1565	1.0800e-003	0.1576	0.0415	9.9000e-004	0.0425		130.4580	130.4580	2.9100e-003		130.5308
<b>Total</b>	<b>0.0544</b>	<b>0.0312</b>	<b>0.3774</b>	<b>1.3100e-003</b>	<b>0.1565</b>	<b>1.0800e-003</b>	<b>0.1576</b>	<b>0.0415</b>	<b>9.9000e-004</b>	<b>0.0425</b>		<b>130.4580</b>	<b>130.4580</b>	<b>2.9100e-003</b>		<b>130.5308</b>

**3.7 Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.7867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>4.9576</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**3.7 Architectural Coating - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0286	0.3504	1.2600e-003	0.1565	1.0600e-003	0.1576	0.0415	9.8000e-004	0.0425		125.3247	125.3247	2.6500e-003		125.3910
<b>Total</b>	<b>0.0518</b>	<b>0.0286</b>	<b>0.3504</b>	<b>1.2600e-003</b>	<b>0.1565</b>	<b>1.0600e-003</b>	<b>0.1576</b>	<b>0.0415</b>	<b>9.8000e-004</b>	<b>0.0425</b>		<b>125.3247</b>	<b>125.3247</b>	<b>2.6500e-003</b>		<b>125.3910</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	4.7867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>4.9576</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**3.7 Architectural Coating - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0518	0.0286	0.3504	1.2600e-003	0.1565	1.0600e-003	0.1576	0.0415	9.8000e-004	0.0425		125.3247	125.3247	2.6500e-003		125.3910
<b>Total</b>	<b>0.0518</b>	<b>0.0286</b>	<b>0.3504</b>	<b>1.2600e-003</b>	<b>0.1565</b>	<b>1.0600e-003</b>	<b>0.1576</b>	<b>0.0415</b>	<b>9.8000e-004</b>	<b>0.0425</b>		<b>125.3247</b>	<b>125.3247</b>	<b>2.6500e-003</b>		<b>125.3910</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Increase Density

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2446	5.9863	15.8600	0.0685	6.7374	0.0504	6.7877	1.8020	0.0468	1.8488		7,003.8134	7,003.8134	0.3052		7,011.4443
Unmitigated	1.2815	6.1864	16.7664	0.0731	7.2088	0.0535	7.2623	1.9281	0.0497	1.9778		7,464.9759	7,464.9759	0.3226		7,473.0407

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	527.04	408.24	348.48	1,655,815	1,547,534
Single Family Housing	443.68	465.77	405.14	1,508,092	1,409,470
Total	970.72	874.01	753.62	3,163,907	2,957,004

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
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
Condo/Townhouse	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811
Single Family Housing	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**5.0 Energy Detail**

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Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0747	0.6383	0.2716	4.0700e-003		0.0516	0.0516		0.0516	0.0516		814.8326	814.8326	0.0156	0.0149	819.6747
NaturalGas Unmitigated	0.0747	0.6383	0.2716	4.0700e-003		0.0516	0.0516		0.0516	0.0516		814.8326	814.8326	0.0156	0.0149	819.6747



Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	3388.25	0.0365	0.3123	0.1329	1.9900e-003		0.0253	0.0253		0.0253	0.0253		398.6180	398.6180	7.6400e-003	7.3100e-003	400.9868
Single Family Housing	3537.82	0.0382	0.3260	0.1387	2.0800e-003		0.0264	0.0264		0.0264	0.0264		416.2146	416.2146	7.9800e-003	7.6300e-003	418.6879
<b>Total</b>		<b>0.0747</b>	<b>0.6383</b>	<b>0.2716</b>	<b>4.0700e-003</b>		<b>0.0516</b>	<b>0.0516</b>		<b>0.0516</b>	<b>0.0516</b>		<b>814.8326</b>	<b>814.8326</b>	<b>0.0156</b>	<b>0.0149</b>	<b>819.6747</b>

**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					
Condo/Townhouse	3.38825	0.0365	0.3123	0.1329	1.9900e-003		0.0253	0.0253		0.0253	0.0253		398.6180	398.6180	7.6400e-003	7.3100e-003	400.9868
Single Family Housing	3.53782	0.0382	0.3260	0.1387	2.0800e-003		0.0264	0.0264		0.0264	0.0264		416.2146	416.2146	7.9800e-003	7.6300e-003	418.6879
<b>Total</b>		<b>0.0747</b>	<b>0.6383</b>	<b>0.2716</b>	<b>4.0700e-003</b>		<b>0.0516</b>	<b>0.0516</b>		<b>0.0516</b>	<b>0.0516</b>		<b>814.8326</b>	<b>814.8326</b>	<b>0.0156</b>	<b>0.0149</b>	<b>819.6747</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.8194	1.7909	10.5224	0.0112		0.1901	0.1901		0.1901	0.1901	0.0000	2,159.6777	2,159.6777	0.0580	0.0393	2,172.8298
Unmitigated	4.8194	1.7909	10.5224	0.0112		0.1901	0.1901		0.1901	0.1901	0.0000	2,159.6777	2,159.6777	0.0580	0.0393	2,172.8298

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**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	0.3449					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9836					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1964	1.6779	0.7140	0.0107		0.1357	0.1357		0.1357	0.1357	0.0000	2,142.0000	2,142.0000	0.0411	0.0393	2,154.7288
Landscaping	0.2945	0.1130	9.8084	5.2000e-004		0.0544	0.0544		0.0544	0.0544		17.6777	17.6777	0.0169		18.1009
<b>Total</b>	<b>4.8194</b>	<b>1.7909</b>	<b>10.5224</b>	<b>0.0112</b>		<b>0.1901</b>	<b>0.1901</b>		<b>0.1901</b>	<b>0.1901</b>	<b>0.0000</b>	<b>2,159.6777</b>	<b>2,159.6777</b>	<b>0.0580</b>	<b>0.0393</b>	<b>2,172.8298</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3449					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9836					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1964	1.6779	0.7140	0.0107		0.1357	0.1357		0.1357	0.1357	0.0000	2,142.0000	2,142.0000	0.0411	0.0393	2,154.7288
Landscaping	0.2945	0.1130	9.8084	5.2000e-004		0.0544	0.0544		0.0544	0.0544		17.6777	17.6777	0.0169		18.1009
<b>Total</b>	<b>4.8194</b>	<b>1.7909</b>	<b>10.5224</b>	<b>0.0112</b>		<b>0.1901</b>	<b>0.1901</b>		<b>0.1901</b>	<b>0.1901</b>	<b>0.0000</b>	<b>2,159.6777</b>	<b>2,159.6777</b>	<b>0.0580</b>	<b>0.0393</b>	<b>2,172.8298</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Use Water Efficient Irrigation System

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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## Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Winter

**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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Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Annual

**Vincent Place Residential Project- Proposed Uses  
South Coast Air Basin, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	72.00	Dwelling Unit	0.00	85,915.00	206
Single Family Housing	47.00	Dwelling Unit	8.05	115,277.00	134

**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>	9			<b>Operational Year</b>	2026
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	448.24	<b>CH4 Intensity (lb/MWhr)</b>	0.019	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

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Project Characteristics - Adjusted for RPS

Land Use - 8.05 acre lot

Construction Phase - Per applicant-provided information

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - Per project TIA

Woodstoves - No woodstoves or wood fireplaces per SCAQMD Rule 445

Energy Use - Houses constructed net zero electricity

Water And Wastewater - Indoor water use reduced by 20% per 2019 CALGreen

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Mobile Land Use Mitigation -

Area Mitigation - Per SCAQMD Rule 1113

Energy Mitigation -

Water Mitigation - Project complies with 2019 CALGreen

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	263.00
tblConstructionPhase	NumDays	230.00	626.00
tblConstructionPhase	NumDays	20.00	148.00
tblConstructionPhase	NumDays	20.00	263.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

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tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	3,795.01	0.00
tblEnergyUse	NT24E	6,155.97	0.00
tblEnergyUse	T24E	243.83	0.00
tblEnergyUse	T24E	443.48	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	3.60	0.00
tblFireplaces	NumberWood	2.35	0.00
tblGrading	MaterialExported	0.00	6,900.00
tblLandUse	LandUseSquareFeet	72,000.00	85,915.00
tblLandUse	LandUseSquareFeet	84,600.00	115,277.00
tblLandUse	LotAcreage	4.50	0.00
tblLandUse	LotAcreage	15.26	8.05
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.019
tblProjectCharacteristics	CO2IntensityFactor	702.44	448.24
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	HaulingTripNumber	863.00	862.00
tblVehicleTrips	WD_TR	5.81	7.32
tblVehicleTrips	WD_TR	9.52	9.44
tblWater	IndoorWaterUseRate	4,691,089.84	3,752,871.87
tblWater	IndoorWaterUseRate	3,062,239.20	2,449,791.36
tblWoodstoves	NumberCatalytic	3.60	0.00
tblWoodstoves	NumberCatalytic	2.35	0.00
tblWoodstoves	NumberNoncatalytic	3.60	0.00



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tblWoodstoves	NumberNoncatalytic	2.35	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

## 2.0 Emissions Summary

### 2.1 Overall Construction

#### 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	tons/yr										MT/yr					
2022	0.1957	2.1038	1.5097	3.3200e-003	0.6239	0.0906	0.7145	0.3091	0.0835	0.3925	0.0000	296.1930	296.1930	0.0805	0.0000	298.2059
2023	0.2890	2.4116	2.8962	5.7500e-003	0.1309	0.1102	0.2410	0.0351	0.1037	0.1387	0.0000	504.5010	504.5010	0.0910	0.0000	506.7755
2024	1.0662	3.6926	5.1380	9.4800e-003	0.1734	0.1669	0.3403	0.0463	0.1562	0.2026	0.0000	832.8729	832.8729	0.1783	0.0000	837.3302
2025	2.9800e-003	4.8900e-003	8.5700e-003	1.0000e-005	1.6000e-004	2.4000e-004	4.0000e-004	4.0000e-005	2.2000e-004	2.6000e-004	0.0000	1.2482	1.2482	3.3000e-004	0.0000	1.2566
<b>Maximum</b>	<b>1.0662</b>	<b>3.6926</b>	<b>5.1380</b>	<b>9.4800e-003</b>	<b>0.6239</b>	<b>0.1669</b>	<b>0.7145</b>	<b>0.3091</b>	<b>0.1562</b>	<b>0.3925</b>	<b>0.0000</b>	<b>832.8729</b>	<b>832.8729</b>	<b>0.1783</b>	<b>0.0000</b>	<b>837.3302</b>

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**2.1 Overall Construction**

**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	tons/yr										MT/yr					
2022	0.1957	2.1038	1.5097	3.3200e-003	0.2940	0.0906	0.3846	0.1426	0.0835	0.2261	0.0000	296.1927	296.1927	0.0805	0.0000	298.2056
2023	0.2890	2.4116	2.8962	5.7500e-003	0.1309	0.1102	0.2410	0.0351	0.1037	0.1387	0.0000	504.5006	504.5006	0.0910	0.0000	506.7751
2024	1.0662	3.6926	5.1380	9.4800e-003	0.1734	0.1669	0.3403	0.0463	0.1562	0.2026	0.0000	832.8721	832.8721	0.1783	0.0000	837.3294
2025	2.9800e-003	4.8900e-003	8.5700e-003	1.0000e-005	1.6000e-004	2.4000e-004	4.0000e-004	4.0000e-005	2.2000e-004	2.6000e-004	0.0000	1.2482	1.2482	3.3000e-004	0.0000	1.2566
<b>Maximum</b>	<b>1.0662</b>	<b>3.6926</b>	<b>5.1380</b>	<b>9.4800e-003</b>	<b>0.2940</b>	<b>0.1669</b>	<b>0.3846</b>	<b>0.1426</b>	<b>0.1562</b>	<b>0.2261</b>	<b>0.0000</b>	<b>832.8721</b>	<b>832.8721</b>	<b>0.1783</b>	<b>0.0000</b>	<b>837.3294</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
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>35.53</b>	<b>0.00</b>	<b>25.45</b>	<b>42.62</b>	<b>0.00</b>	<b>22.67</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2022	8-31-2022	1.0007	1.0007
2	9-1-2022	11-30-2022	0.9499	0.9499
3	12-1-2022	2-28-2023	0.7617	0.7617
4	3-1-2023	5-31-2023	0.6820	0.6820
5	6-1-2023	8-31-2023	0.6815	0.6815
6	9-1-2023	11-30-2023	0.6751	0.6751
7	12-1-2023	2-29-2024	0.6479	0.6479
8	3-1-2024	5-31-2024	1.3046	1.3046

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9	6-1-2024	8-31-2024	1.3039	1.3039
10	9-1-2024	11-30-2024	1.2912	1.2912
11	12-1-2024	2-28-2025	0.4468	0.4468
		Highest	1.3046	1.3046

**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	0.8292	0.0351	1.2350	2.0000e-004		8.5000e-003	8.5000e-003		8.5000e-003	8.5000e-003	0.0000	26.2945	26.2945	2.3900e-003	4.5000e-004	26.4868
Energy	0.0136	0.1165	0.0496	7.4000e-004		9.4200e-003	9.4200e-003		9.4200e-003	9.4200e-003	0.0000	134.9047	134.9047	2.5900e-003	2.4700e-003	135.7063
Mobile	0.2122	1.0676	2.8904	0.0126	1.2014	9.0500e-003	1.2104	0.3218	8.4000e-003	0.3302	0.0000	1,164.5695	1,164.5695	0.0494	0.0000	1,165.8041
Waste						0.0000	0.0000		0.0000	0.0000	17.8754	0.0000	17.8754	1.0564	0.0000	44.2855
Water						0.0000	0.0000		0.0000	0.0000	1.9678	27.4622	29.4301	0.2033	5.0200e-003	36.0072
<b>Total</b>	<b>1.0550</b>	<b>1.2192</b>	<b>4.1750</b>	<b>0.0135</b>	<b>1.2014</b>	<b>0.0270</b>	<b>1.2283</b>	<b>0.3218</b>	<b>0.0263</b>	<b>0.3481</b>	<b>19.8432</b>	<b>1,353.2309</b>	<b>1,373.0741</b>	<b>1.3140</b>	<b>7.9400e-003</b>	<b>1,408.2899</b>

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**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	0.8292	0.0351	1.2350	2.0000e-004		8.5000e-003	8.5000e-003		8.5000e-003	8.5000e-003	0.0000	26.2945	26.2945	2.3900e-003	4.5000e-004	26.4868
Energy	0.0136	0.1165	0.0496	7.4000e-004		9.4200e-003	9.4200e-003		9.4200e-003	9.4200e-003	0.0000	134.9047	134.9047	2.5900e-003	2.4700e-003	135.7063
Mobile	0.2059	1.0329	2.7325	0.0118	1.1228	8.5200e-003	1.1313	0.3008	7.9100e-003	0.3087	0.0000	1,092.8255	1,092.8255	0.0467	0.0000	1,093.9929
Waste						0.0000	0.0000		0.0000	0.0000	17.8754	0.0000	17.8754	1.0564	0.0000	44.2855
Water						0.0000	0.0000		0.0000	0.0000	1.9678	26.7887	28.7565	0.2033	5.0100e-003	35.3312
<b>Total</b>	<b>1.0487</b>	<b>1.1845</b>	<b>4.0170</b>	<b>0.0127</b>	<b>1.1228</b>	<b>0.0264</b>	<b>1.1492</b>	<b>0.3008</b>	<b>0.0258</b>	<b>0.3266</b>	<b>19.8432</b>	<b>1,280.8133</b>	<b>1,300.6565</b>	<b>1.3113</b>	<b>7.9300e-003</b>	<b>1,335.8028</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
<b>Percent Reduction</b>	<b>0.60</b>	<b>2.85</b>	<b>3.78</b>	<b>5.70</b>	<b>6.54</b>	<b>1.97</b>	<b>6.44</b>	<b>6.54</b>	<b>1.86</b>	<b>6.19</b>	<b>0.00</b>	<b>5.35</b>	<b>5.27</b>	<b>0.21</b>	<b>0.13</b>	<b>5.15</b>

**3.0 Construction Detail**

**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2022	6/23/2022	6	20	
2	Site Preparation	Site Preparation	6/29/2022	7/9/2022	6	10	
3	Grading	Grading	7/13/2022	12/31/2022	6	148	
4	Building Construction	Building Construction	1/1/2023	12/31/2024	6	626	
5	Paving	Paving	3/1/2024	1/1/2025	6	263	
6	Architectural Coating	Architectural Coating	3/1/2024	1/1/2025	6	263	

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

**Acres of Grading (Grading Phase): 74**

**Acres of Paving: 0**

**Residential Indoor: 407,414; Residential Outdoor: 135,805; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

**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	223.00	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	862.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	69.00	13.00	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	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**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					
Fugitive Dust					0.0241	0.0000	0.0241	3.6500e-003	0.0000	3.6500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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>0.0241</b>	<b>0.0124</b>	<b>0.0366</b>	<b>3.6500e-003</b>	<b>0.0116</b>	<b>0.0152</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>

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**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	8.1000e-004	0.0276	6.4900e-003	8.0000e-005	1.9200e-003	8.0000e-005	1.9900e-003	5.3000e-004	8.0000e-005	6.0000e-004	0.0000	8.2676	8.2676	5.9000e-004	0.0000	8.2824
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	4.2000e-004	4.8300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3836	1.3836	3.0000e-005	0.0000	1.3845
<b>Total</b>	<b>1.4000e-003</b>	<b>0.0280</b>	<b>0.0113</b>	<b>1.0000e-004</b>	<b>3.5700e-003</b>	<b>9.0000e-005</b>	<b>3.6500e-003</b>	<b>9.7000e-004</b>	<b>9.0000e-005</b>	<b>1.0500e-003</b>	<b>0.0000</b>	<b>9.6511</b>	<b>9.6511</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>9.6669</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					0.0109	0.0000	0.0109	1.6400e-003	0.0000	1.6400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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>0.0109</b>	<b>0.0124</b>	<b>0.0233</b>	<b>1.6400e-003</b>	<b>0.0116</b>	<b>0.0132</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>



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**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	8.1000e-004	0.0276	6.4900e-003	8.0000e-005	1.9200e-003	8.0000e-005	1.9900e-003	5.3000e-004	8.0000e-005	6.0000e-004	0.0000	8.2676	8.2676	5.9000e-004	0.0000	8.2824
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9000e-004	4.2000e-004	4.8300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3836	1.3836	3.0000e-005	0.0000	1.3845
<b>Total</b>	<b>1.4000e-003</b>	<b>0.0280</b>	<b>0.0113</b>	<b>1.0000e-004</b>	<b>3.5700e-003</b>	<b>9.0000e-005</b>	<b>3.6500e-003</b>	<b>9.7000e-004</b>	<b>9.0000e-005</b>	<b>1.0500e-003</b>	<b>0.0000</b>	<b>9.6511</b>	<b>9.6511</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>9.6669</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>

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**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	3.5000e-004	2.5000e-004	2.9000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8302	0.8302	2.0000e-005	0.0000	0.8307
<b>Total</b>	<b>3.5000e-004</b>	<b>2.5000e-004</b>	<b>2.9000e-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>0.8302</b>	<b>0.8302</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8307</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					0.0407	0.0000	0.0407	0.0223	0.0000	0.0223	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>0.0407</b>	<b>8.0600e-003</b>	<b>0.0487</b>	<b>0.0223</b>	<b>7.4200e-003</b>	<b>0.0298</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>

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**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	3.5000e-004	2.5000e-004	2.9000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8302	0.8302	2.0000e-005	0.0000	0.8307
<b>Total</b>	<b>3.5000e-004</b>	<b>2.5000e-004</b>	<b>2.9000e-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>0.8302</b>	<b>0.8302</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8307</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					0.4853	0.0000	0.4853	0.2493	0.0000	0.2493	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1442	1.5433	1.1302	2.1900e-003		0.0696	0.0696		0.0641	0.0641	0.0000	192.8053	192.8053	0.0624	0.0000	194.3642
<b>Total</b>	<b>0.1442</b>	<b>1.5433</b>	<b>1.1302</b>	<b>2.1900e-003</b>	<b>0.4853</b>	<b>0.0696</b>	<b>0.5549</b>	<b>0.2493</b>	<b>0.0641</b>	<b>0.3133</b>	<b>0.0000</b>	<b>192.8053</b>	<b>192.8053</b>	<b>0.0624</b>	<b>0.0000</b>	<b>194.3642</b>

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**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	3.1500e-003	0.1066	0.0251	3.2000e-004	7.4100e-003	3.0000e-004	7.7100e-003	2.0300e-003	2.9000e-004	2.3200e-003	0.0000	31.9580	31.9580	2.2900e-003	0.0000	32.0154
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3300e-003	3.0900e-003	0.0358	1.1000e-004	0.0122	9.0000e-005	0.0123	3.2300e-003	8.0000e-005	3.3200e-003	0.0000	10.2385	10.2385	2.6000e-004	0.0000	10.2450
<b>Total</b>	<b>7.4800e-003</b>	<b>0.1097</b>	<b>0.0609</b>	<b>4.3000e-004</b>	<b>0.0196</b>	<b>3.9000e-004</b>	<b>0.0200</b>	<b>5.2600e-003</b>	<b>3.7000e-004</b>	<b>5.6400e-003</b>	<b>0.0000</b>	<b>42.1965</b>	<b>42.1965</b>	<b>2.5500e-003</b>	<b>0.0000</b>	<b>42.2603</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					0.2184	0.0000	0.2184	0.1122	0.0000	0.1122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1442	1.5433	1.1302	2.1900e-003		0.0696	0.0696		0.0641	0.0641	0.0000	192.8050	192.8050	0.0624	0.0000	194.3640
<b>Total</b>	<b>0.1442</b>	<b>1.5433</b>	<b>1.1302</b>	<b>2.1900e-003</b>	<b>0.2184</b>	<b>0.0696</b>	<b>0.2880</b>	<b>0.1122</b>	<b>0.0641</b>	<b>0.1762</b>	<b>0.0000</b>	<b>192.8050</b>	<b>192.8050</b>	<b>0.0624</b>	<b>0.0000</b>	<b>194.3640</b>

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**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	3.1500e-003	0.1066	0.0251	3.2000e-004	7.4100e-003	3.0000e-004	7.7100e-003	2.0300e-003	2.9000e-004	2.3200e-003	0.0000	31.9580	31.9580	2.2900e-003	0.0000	32.0154
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3300e-003	3.0900e-003	0.0358	1.1000e-004	0.0122	9.0000e-005	0.0123	3.2300e-003	8.0000e-005	3.3200e-003	0.0000	10.2385	10.2385	2.6000e-004	0.0000	10.2450
<b>Total</b>	<b>7.4800e-003</b>	<b>0.1097</b>	<b>0.0609</b>	<b>4.3000e-004</b>	<b>0.0196</b>	<b>3.9000e-004</b>	<b>0.0200</b>	<b>5.2600e-003</b>	<b>3.7000e-004</b>	<b>5.6400e-003</b>	<b>0.0000</b>	<b>42.1965</b>	<b>42.1965</b>	<b>2.5500e-003</b>	<b>0.0000</b>	<b>42.2603</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	0.2454	2.2440	2.5341	4.2000e-003		0.1092	0.1092		0.1027	0.1027	0.0000	361.6154	361.6154	0.0860	0.0000	363.7660
<b>Total</b>	<b>0.2454</b>	<b>2.2440</b>	<b>2.5341</b>	<b>4.2000e-003</b>		<b>0.1092</b>	<b>0.1092</b>		<b>0.1027</b>	<b>0.1027</b>	<b>0.0000</b>	<b>361.6154</b>	<b>361.6154</b>	<b>0.0860</b>	<b>0.0000</b>	<b>363.7660</b>

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**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	4.0600e-003	0.1404	0.0423	4.9000e-004	0.0128	1.6000e-004	0.0129	3.6900e-003	1.6000e-004	3.8400e-003	0.0000	47.2994	47.2994	2.7000e-003	0.0000	47.3669
Worker	0.0396	0.0271	0.3199	1.0600e-003	0.1181	8.4000e-004	0.1189	0.0314	7.8000e-004	0.0321	0.0000	95.5862	95.5862	2.2600e-003	0.0000	95.6426
<b>Total</b>	<b>0.0436</b>	<b>0.1676</b>	<b>0.3622</b>	<b>1.5500e-003</b>	<b>0.1309</b>	<b>1.0000e-003</b>	<b>0.1319</b>	<b>0.0351</b>	<b>9.4000e-004</b>	<b>0.0360</b>	<b>0.0000</b>	<b>142.8856</b>	<b>142.8856</b>	<b>4.9600e-003</b>	<b>0.0000</b>	<b>143.0095</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	0.2454	2.2440	2.5341	4.2000e-003		0.1092	0.1092		0.1027	0.1027	0.0000	361.6150	361.6150	0.0860	0.0000	363.7655
<b>Total</b>	<b>0.2454</b>	<b>2.2440</b>	<b>2.5341</b>	<b>4.2000e-003</b>		<b>0.1092</b>	<b>0.1092</b>		<b>0.1027</b>	<b>0.1027</b>	<b>0.0000</b>	<b>361.6150</b>	<b>361.6150</b>	<b>0.0860</b>	<b>0.0000</b>	<b>363.7655</b>

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**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	4.0600e-003	0.1404	0.0423	4.9000e-004	0.0128	1.6000e-004	0.0129	3.6900e-003	1.6000e-004	3.8400e-003	0.0000	47.2994	47.2994	2.7000e-003	0.0000	47.3669
Worker	0.0396	0.0271	0.3199	1.0600e-003	0.1181	8.4000e-004	0.1189	0.0314	7.8000e-004	0.0321	0.0000	95.5862	95.5862	2.2600e-003	0.0000	95.6426
<b>Total</b>	<b>0.0436</b>	<b>0.1676</b>	<b>0.3622</b>	<b>1.5500e-003</b>	<b>0.1309</b>	<b>1.0000e-003</b>	<b>0.1319</b>	<b>0.0351</b>	<b>9.4000e-004</b>	<b>0.0360</b>	<b>0.0000</b>	<b>142.8856</b>	<b>142.8856</b>	<b>4.9600e-003</b>	<b>0.0000</b>	<b>143.0095</b>

**3.5 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2310	2.1107	2.5382	4.2300e-003		0.0963	0.0963		0.0906	0.0906	0.0000	364.0031	364.0031	0.0861	0.0000	366.1550
<b>Total</b>	<b>0.2310</b>	<b>2.1107</b>	<b>2.5382</b>	<b>4.2300e-003</b>		<b>0.0963</b>	<b>0.0963</b>		<b>0.0906</b>	<b>0.0906</b>	<b>0.0000</b>	<b>364.0031</b>	<b>364.0031</b>	<b>0.0861</b>	<b>0.0000</b>	<b>366.1550</b>

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**3.5 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive 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	4.0000e-003	0.1410	0.0414	4.9000e-004	0.0129	1.6000e-004	0.0130	3.7100e-003	1.5000e-004	3.8700e-003	0.0000	47.4319	47.4319	2.6800e-003	0.0000	47.4988
Worker	0.0377	0.0249	0.3001	1.0300e-003	0.1189	8.4000e-004	0.1197	0.0316	7.7000e-004	0.0323	0.0000	93.0213	93.0213	2.0800e-003	0.0000	93.0733
<b>Total</b>	<b>0.0417</b>	<b>0.1659</b>	<b>0.3415</b>	<b>1.5200e-003</b>	<b>0.1317</b>	<b>1.0000e-003</b>	<b>0.1327</b>	<b>0.0353</b>	<b>9.2000e-004</b>	<b>0.0362</b>	<b>0.0000</b>	<b>140.4532</b>	<b>140.4532</b>	<b>4.7600e-003</b>	<b>0.0000</b>	<b>140.5721</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	0.2310	2.1107	2.5382	4.2300e-003		0.0963	0.0963		0.0906	0.0906	0.0000	364.0027	364.0027	0.0861	0.0000	366.1546
<b>Total</b>	<b>0.2310</b>	<b>2.1107</b>	<b>2.5382</b>	<b>4.2300e-003</b>		<b>0.0963</b>	<b>0.0963</b>		<b>0.0906</b>	<b>0.0906</b>	<b>0.0000</b>	<b>364.0027</b>	<b>364.0027</b>	<b>0.0861</b>	<b>0.0000</b>	<b>366.1546</b>



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**3.5 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive 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	4.0000e-003	0.1410	0.0414	4.9000e-004	0.0129	1.6000e-004	0.0130	3.7100e-003	1.5000e-004	3.8700e-003	0.0000	47.4319	47.4319	2.6800e-003	0.0000	47.4988
Worker	0.0377	0.0249	0.3001	1.0300e-003	0.1189	8.4000e-004	0.1197	0.0316	7.7000e-004	0.0323	0.0000	93.0213	93.0213	2.0800e-003	0.0000	93.0733
<b>Total</b>	<b>0.0417</b>	<b>0.1659</b>	<b>0.3415</b>	<b>1.5200e-003</b>	<b>0.1317</b>	<b>1.0000e-003</b>	<b>0.1327</b>	<b>0.0353</b>	<b>9.2000e-004</b>	<b>0.0362</b>	<b>0.0000</b>	<b>140.4532</b>	<b>140.4532</b>	<b>4.7600e-003</b>	<b>0.0000</b>	<b>140.5721</b>

**3.6 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1295	1.2477	1.9160	2.9900e-003		0.0614	0.0614		0.0565	0.0565	0.0000	262.3476	262.3476	0.0849	0.0000	264.4688
Paving	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>0.1295</b>	<b>1.2477</b>	<b>1.9160</b>	<b>2.9900e-003</b>		<b>0.0614</b>	<b>0.0614</b>		<b>0.0565</b>	<b>0.0565</b>	<b>0.0000</b>	<b>262.3476</b>	<b>262.3476</b>	<b>0.0849</b>	<b>0.0000</b>	<b>264.4688</b>

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**3.6 Paving - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive 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	6.8400e-003	4.5100e-003	0.0544	1.9000e-004	0.0216	1.5000e-004	0.0217	5.7300e-003	1.4000e-004	5.8700e-003	0.0000	16.8732	16.8732	3.8000e-004	0.0000	16.8826
<b>Total</b>	<b>6.8400e-003</b>	<b>4.5100e-003</b>	<b>0.0544</b>	<b>1.9000e-004</b>	<b>0.0216</b>	<b>1.5000e-004</b>	<b>0.0217</b>	<b>5.7300e-003</b>	<b>1.4000e-004</b>	<b>5.8700e-003</b>	<b>0.0000</b>	<b>16.8732</b>	<b>16.8732</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>16.8826</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	0.1295	1.2477	1.9160	2.9900e-003		0.0614	0.0614		0.0565	0.0565	0.0000	262.3473	262.3473	0.0849	0.0000	264.4685
Paving	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>0.1295</b>	<b>1.2477</b>	<b>1.9160</b>	<b>2.9900e-003</b>		<b>0.0614</b>	<b>0.0614</b>		<b>0.0565</b>	<b>0.0565</b>	<b>0.0000</b>	<b>262.3473</b>	<b>262.3473</b>	<b>0.0849</b>	<b>0.0000</b>	<b>264.4685</b>

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**3.6 Paving - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive 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	6.8400e-003	4.5100e-003	0.0544	1.9000e-004	0.0216	1.5000e-004	0.0217	5.7300e-003	1.4000e-004	5.8700e-003	0.0000	16.8732	16.8732	3.8000e-004	0.0000	16.8826
<b>Total</b>	<b>6.8400e-003</b>	<b>4.5100e-003</b>	<b>0.0544</b>	<b>1.9000e-004</b>	<b>0.0216</b>	<b>1.5000e-004</b>	<b>0.0217</b>	<b>5.7300e-003</b>	<b>1.4000e-004</b>	<b>5.8700e-003</b>	<b>0.0000</b>	<b>16.8732</b>	<b>16.8732</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>16.8826</b>

**3.6 Paving - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.6000e-004	4.2900e-003	7.2900e-003	1.0000e-005		2.1000e-004	2.1000e-004		1.9000e-004	1.9000e-004	0.0000	1.0010	1.0010	3.2000e-004	0.0000	1.0091
Paving	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>4.6000e-004</b>	<b>4.2900e-003</b>	<b>7.2900e-003</b>	<b>1.0000e-005</b>		<b>2.1000e-004</b>	<b>2.1000e-004</b>		<b>1.9000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.0010</b>	<b>1.0010</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>1.0091</b>

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**3.6 Paving - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive 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	2.0000e-005	2.0000e-005	1.9000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0619	0.0619	0.0000	0.0000	0.0619
<b>Total</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0619</b>	<b>0.0619</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0619</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	4.6000e-004	4.2900e-003	7.2900e-003	1.0000e-005		2.1000e-004	2.1000e-004		1.9000e-004	1.9000e-004	0.0000	1.0010	1.0010	3.2000e-004	0.0000	1.0091
Paving	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>4.6000e-004</b>	<b>4.2900e-003</b>	<b>7.2900e-003</b>	<b>1.0000e-005</b>		<b>2.1000e-004</b>	<b>2.1000e-004</b>		<b>1.9000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.0010</b>	<b>1.0010</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>1.0091</b>

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**3.6 Paving - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive 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	2.0000e-005	2.0000e-005	1.9000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0619	0.0619	0.0000	0.0000	0.0619
<b>Total</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0619</b>	<b>0.0619</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0619</b>

**3.7 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6271					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
<b>Total</b>	<b>0.6507</b>	<b>0.1597</b>	<b>0.2371</b>	<b>3.9000e-004</b>		<b>7.9800e-003</b>	<b>7.9800e-003</b>		<b>7.9800e-003</b>	<b>7.9800e-003</b>	<b>0.0000</b>	<b>33.4476</b>	<b>33.4476</b>	<b>1.8800e-003</b>	<b>0.0000</b>	<b>33.4947</b>

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**3.7 Architectural Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive 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	6.3900e-003	4.2100e-003	0.0508	1.7000e-004	0.0201	1.4000e-004	0.0203	5.3400e-003	1.3000e-004	5.4700e-003	0.0000	15.7483	15.7483	3.5000e-004	0.0000	15.7571
<b>Total</b>	<b>6.3900e-003</b>	<b>4.2100e-003</b>	<b>0.0508</b>	<b>1.7000e-004</b>	<b>0.0201</b>	<b>1.4000e-004</b>	<b>0.0203</b>	<b>5.3400e-003</b>	<b>1.3000e-004</b>	<b>5.4700e-003</b>	<b>0.0000</b>	<b>15.7483</b>	<b>15.7483</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>15.7571</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	0.6271					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
<b>Total</b>	<b>0.6507</b>	<b>0.1597</b>	<b>0.2371</b>	<b>3.9000e-004</b>		<b>7.9800e-003</b>	<b>7.9800e-003</b>		<b>7.9800e-003</b>	<b>7.9800e-003</b>	<b>0.0000</b>	<b>33.4476</b>	<b>33.4476</b>	<b>1.8800e-003</b>	<b>0.0000</b>	<b>33.4947</b>

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**3.7 Architectural Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive 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	6.3900e-003	4.2100e-003	0.0508	1.7000e-004	0.0201	1.4000e-004	0.0203	5.3400e-003	1.3000e-004	5.4700e-003	0.0000	15.7483	15.7483	3.5000e-004	0.0000	15.7571
<b>Total</b>	<b>6.3900e-003</b>	<b>4.2100e-003</b>	<b>0.0508</b>	<b>1.7000e-004</b>	<b>0.0201</b>	<b>1.4000e-004</b>	<b>0.0203</b>	<b>5.3400e-003</b>	<b>1.3000e-004</b>	<b>5.4700e-003</b>	<b>0.0000</b>	<b>15.7483</b>	<b>15.7483</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>15.7571</b>

**3.7 Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.3900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-005	5.7000e-004	9.0000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278
<b>Total</b>	<b>2.4800e-003</b>	<b>5.7000e-004</b>	<b>9.0000e-004</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.1277</b>	<b>0.1277</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.1278</b>

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**3.7 Architectural Coating - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive 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	2.0000e-005	1.0000e-005	1.8000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0577	0.0577	0.0000	0.0000	0.0578
<b>Total</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0577</b>	<b>0.0577</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0578</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	2.3900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-005	5.7000e-004	9.0000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.1277	0.1277	1.0000e-005	0.0000	0.1278
<b>Total</b>	<b>2.4800e-003</b>	<b>5.7000e-004</b>	<b>9.0000e-004</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.1277</b>	<b>0.1277</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.1278</b>



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**3.7 Architectural Coating - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive 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	2.0000e-005	1.0000e-005	1.8000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0577	0.0577	0.0000	0.0000	0.0578
<b>Total</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0577</b>	<b>0.0577</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0578</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Increase Density

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2059	1.0329	2.7325	0.0118	1.1228	8.5200e-003	1.1313	0.3008	7.9100e-003	0.3087	0.0000	1,092.8255	1,092.8255	0.0467	0.0000	1,093.9929
Unmitigated	0.2122	1.0676	2.8904	0.0126	1.2014	9.0500e-003	1.2104	0.3218	8.4000e-003	0.3302	0.0000	1,164.5695	1,164.5695	0.0494	0.0000	1,165.8041

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	527.04	408.24	348.48	1,655,815	1,547,534
Single Family Housing	443.68	465.77	405.14	1,508,092	1,409,470
Total	970.72	874.01	753.62	3,163,907	2,957,004

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
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
Condo/Townhouse	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811
Single Family Housing	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811

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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0136	0.1165	0.0496	7.4000e-004		9.4200e-003	9.4200e-003		9.4200e-003	9.4200e-003	0.0000	134.9047	134.9047	2.5900e-003	2.4700e-003	135.7063
NaturalGas Unmitigated	0.0136	0.1165	0.0496	7.4000e-004		9.4200e-003	9.4200e-003		9.4200e-003	9.4200e-003	0.0000	134.9047	134.9047	2.5900e-003	2.4700e-003	135.7063

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	1.23671e+006	6.6700e-003	0.0570	0.0243	3.6000e-004		4.6100e-003	4.6100e-003		4.6100e-003	4.6100e-003	0.0000	65.9957	65.9957	1.2600e-003	1.2100e-003	66.3879
Single Family Housing	1.29131e+006	6.9600e-003	0.0595	0.0253	3.8000e-004		4.8100e-003	4.8100e-003		4.8100e-003	4.8100e-003	0.0000	68.9090	68.9090	1.3200e-003	1.2600e-003	69.3185
<b>Total</b>		<b>0.0136</b>	<b>0.1165</b>	<b>0.0496</b>	<b>7.4000e-004</b>		<b>9.4200e-003</b>	<b>9.4200e-003</b>		<b>9.4200e-003</b>	<b>9.4200e-003</b>	<b>0.0000</b>	<b>134.9047</b>	<b>134.9047</b>	<b>2.5800e-003</b>	<b>2.4700e-003</b>	<b>135.7063</b>

**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	tons/yr										MT/yr					
Condo/Townhouse	1.23671e+006	6.6700e-003	0.0570	0.0243	3.6000e-004		4.6100e-003	4.6100e-003		4.6100e-003	4.6100e-003	0.0000	65.9957	65.9957	1.2600e-003	1.2100e-003	66.3879
Single Family Housing	1.29131e+006	6.9600e-003	0.0595	0.0253	3.8000e-004		4.8100e-003	4.8100e-003		4.8100e-003	4.8100e-003	0.0000	68.9090	68.9090	1.3200e-003	1.2600e-003	69.3185
<b>Total</b>		<b>0.0136</b>	<b>0.1165</b>	<b>0.0496</b>	<b>7.4000e-004</b>		<b>9.4200e-003</b>	<b>9.4200e-003</b>		<b>9.4200e-003</b>	<b>9.4200e-003</b>	<b>0.0000</b>	<b>134.9047</b>	<b>134.9047</b>	<b>2.5800e-003</b>	<b>2.4700e-003</b>	<b>135.7063</b>

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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive 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	0.8292	0.0351	1.2350	2.0000e-004		8.5000e-003	8.5000e-003		8.5000e-003	8.5000e-003	0.0000	26.2945	26.2945	2.3900e-003	4.5000e-004	26.4868
Unmitigated	0.8292	0.0351	1.2350	2.0000e-004		8.5000e-003	8.5000e-003		8.5000e-003	8.5000e-003	0.0000	26.2945	26.2945	2.3900e-003	4.5000e-004	26.4868

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**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	0.0630					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7270					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.4500e-003	0.0210	8.9200e-003	1.3000e-004		1.7000e-003	1.7000e-003		1.7000e-003	1.7000e-003	0.0000	24.2899	24.2899	4.7000e-004	4.5000e-004	24.4342
Landscaping	0.0368	0.0141	1.2260	6.0000e-005		6.8000e-003	6.8000e-003		6.8000e-003	6.8000e-003	0.0000	2.0046	2.0046	1.9200e-003	0.0000	2.0526
<b>Total</b>	<b>0.8292</b>	<b>0.0351</b>	<b>1.2350</b>	<b>1.9000e-004</b>		<b>8.5000e-003</b>	<b>8.5000e-003</b>		<b>8.5000e-003</b>	<b>8.5000e-003</b>	<b>0.0000</b>	<b>26.2945</b>	<b>26.2945</b>	<b>2.3900e-003</b>	<b>4.5000e-004</b>	<b>26.4868</b>

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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0630					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7270					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.4500e-003	0.0210	8.9200e-003	1.3000e-004		1.7000e-003	1.7000e-003		1.7000e-003	1.7000e-003	0.0000	24.2899	24.2899	4.7000e-004	4.5000e-004	24.4342
Landscaping	0.0368	0.0141	1.2260	6.0000e-005		6.8000e-003	6.8000e-003		6.8000e-003	6.8000e-003	0.0000	2.0046	2.0046	1.9200e-003	0.0000	2.0526
<b>Total</b>	<b>0.8292</b>	<b>0.0351</b>	<b>1.2350</b>	<b>1.9000e-004</b>		<b>8.5000e-003</b>	<b>8.5000e-003</b>		<b>8.5000e-003</b>	<b>8.5000e-003</b>	<b>0.0000</b>	<b>26.2945</b>	<b>26.2945</b>	<b>2.3900e-003</b>	<b>4.5000e-004</b>	<b>26.4868</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Use Water Efficient Irrigation System



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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	28.7565	0.2033	5.0100e-003	35.3312
Unmitigated	29.4301	0.2033	5.0200e-003	36.0072

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	3.75287 / 2.95743	17.8064	0.1230	3.0400e-003	21.7859
Single Family Housing	2.44979 / 1.93054	11.6236	0.0803	1.9800e-003	14.2213
<b>Total</b>		<b>29.4301</b>	<b>0.2033</b>	<b>5.0200e-003</b>	<b>36.0072</b>

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Annual

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	3.75287 / 2.77702	17.3989	0.1230	3.0300e-003	21.3768
Single Family Housing	2.44979 / 1.81278	11.3576	0.0803	1.9800e-003	13.9543
<b>Total</b>		<b>28.7565</b>	<b>0.2032</b>	<b>5.0100e-003</b>	<b>35.3312</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	17.8754	1.0564	0.0000	44.2855
Unmitigated	17.8754	1.0564	0.0000	44.2855

Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Annual

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	33.12	6.7231	0.3973	0.0000	16.6561
Single Family Housing	54.94	11.1523	0.6591	0.0000	27.6294
<b>Total</b>		<b>17.8754</b>	<b>1.0564</b>	<b>0.0000</b>	<b>44.2855</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	33.12	6.7231	0.3973	0.0000	16.6561
Single Family Housing	54.94	11.1523	0.6591	0.0000	27.6294
<b>Total</b>		<b>17.8754</b>	<b>1.0564</b>	<b>0.0000</b>	<b>44.2855</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Vincent Place Residential Project- Proposed Uses - South Coast Air Basin, Annual

**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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Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Summer

**Vincent Place Residential Project- Existing Uses**  
**South Coast Air Basin, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Day-Care Center	49.00	1000sqft	8.05	49,000.00	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>	9			<b>Operational Year</b>	2026
<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**

Project Characteristics -

Land Use - Parcel is 8.05 acre

Construction Phase - No construction- existing use

Off-road Equipment -

Vehicle Trips -

Area Coating - SCAQMD Rule 1113

Energy Use -

Area Mitigation - SCAQMD Rule 1113

Trips and VMT -

## Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Summer

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	0.00
tblLandUse	LotAcreage	1.12	8.05

## 2.0 Emissions Summary

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Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0329	5.0000e-005	4.9900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114
Energy	0.0171	0.1552	0.1304	9.3000e-004		0.0118	0.0118		0.0118	0.0118		186.2079	186.2079	3.5700e-003	3.4100e-003	187.3144
Mobile	3.6840	16.1418	32.9718	0.1288	11.2124	0.0938	11.3062	2.9989	0.0870	3.0859		13,177.1260	13,177.1260	0.6082		13,192.3306
<b>Total</b>	<b>4.7339</b>	<b>16.2970</b>	<b>33.1072</b>	<b>0.1297</b>	<b>11.2124</b>	<b>0.1056</b>	<b>11.3180</b>	<b>2.9989</b>	<b>0.0988</b>	<b>3.0977</b>		<b>13,363.3447</b>	<b>13,363.3447</b>	<b>0.6118</b>	<b>3.4100e-003</b>	<b>13,379.6564</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	1.0329	5.0000e-005	4.9900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114
Energy	0.0171	0.1552	0.1304	9.3000e-004		0.0118	0.0118		0.0118	0.0118		186.2079	186.2079	3.5700e-003	3.4100e-003	187.3144
Mobile	3.6840	16.1418	32.9718	0.1288	11.2124	0.0938	11.3062	2.9989	0.0870	3.0859		13,177.1260	13,177.1260	0.6082		13,192.3306
<b>Total</b>	<b>4.7339</b>	<b>16.2970</b>	<b>33.1072</b>	<b>0.1297</b>	<b>11.2124</b>	<b>0.1056</b>	<b>11.3180</b>	<b>2.9989</b>	<b>0.0988</b>	<b>3.0977</b>		<b>13,363.3447</b>	<b>13,363.3447</b>	<b>0.6118</b>	<b>3.4100e-003</b>	<b>13,379.6564</b>



Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Demolition	4/1/2000	4/1/2000	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

#### 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
No Construction	0	0.00	0.00	0.00	14.70	6.90				

### 3.1 Mitigation Measures Construction



Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Summer

**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	3.6840	16.1418	32.9718	0.1288	11.2124	0.0938	11.3062	2.9989	0.0870	3.0859		13,177.1260	13,177.1260	0.6082		13,192.3306
Unmitigated	3.6840	16.1418	32.9718	0.1288	11.2124	0.0938	11.3062	2.9989	0.0870	3.0859		13,177.1260	13,177.1260	0.6082		13,192.3306

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Day-Care Center	3,628.94	304.29	285.67	3,891,665	3,891,665
Total	3,628.94	304.29	285.67	3,891,665	3,891,665

**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
Day-Care Center	16.60	8.40	6.90	12.70	82.30	5.00	28	58	14

**4.4 Fleet Mix**

Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Day-Care Center	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811

**5.0 Energy Detail**

Historical Energy Use: Y

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0171	0.1552	0.1304	9.3000e-004		0.0118	0.0118		0.0118	0.0118		186.2079	186.2079	3.5700e-003	3.4100e-003	187.3144
NaturalGas Unmitigated	0.0171	0.1552	0.1304	9.3000e-004		0.0118	0.0118		0.0118	0.0118		186.2079	186.2079	3.5700e-003	3.4100e-003	187.3144

Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Day-Care Center	1582.77	0.0171	0.1552	0.1304	9.3000e-004		0.0118	0.0118		0.0118	0.0118		186.2079	186.2079	3.5700e-003	3.4100e-003	187.3144
<b>Total</b>		<b>0.0171</b>	<b>0.1552</b>	<b>0.1304</b>	<b>9.3000e-004</b>		<b>0.0118</b>	<b>0.0118</b>		<b>0.0118</b>	<b>0.0118</b>		<b>186.2079</b>	<b>186.2079</b>	<b>3.5700e-003</b>	<b>3.4100e-003</b>	<b>187.3144</b>

**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					
Day-Care Center	1.58277	0.0171	0.1552	0.1304	9.3000e-004		0.0118	0.0118		0.0118	0.0118		186.2079	186.2079	3.5700e-003	3.4100e-003	187.3144
<b>Total</b>		<b>0.0171</b>	<b>0.1552</b>	<b>0.1304</b>	<b>9.3000e-004</b>		<b>0.0118</b>	<b>0.0118</b>		<b>0.0118</b>	<b>0.0118</b>		<b>186.2079</b>	<b>186.2079</b>	<b>3.5700e-003</b>	<b>3.4100e-003</b>	<b>187.3144</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Summer

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0329	5.0000e-005	4.9900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114
Unmitigated	1.0329	5.0000e-005	4.9900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114

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	0.0622					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6000e-004	5.0000e-005	4.9900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114
<b>Total</b>	<b>1.0329</b>	<b>5.0000e-005</b>	<b>4.9900e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0107</b>	<b>0.0107</b>	<b>3.0000e-005</b>		<b>0.0114</b>

Vincent Place Residential Project- Existing Uses - South Coast Air Basin, 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	0.0622					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6000e-004	5.0000e-005	4.9900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114
<b>Total</b>	<b>1.0329</b>	<b>5.0000e-005</b>	<b>4.9900e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0107</b>	<b>0.0107</b>	<b>3.0000e-005</b>		<b>0.0114</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**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**

## Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Summer

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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Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Winter

**Vincent Place Residential Project- Existing Uses**  
**South Coast Air Basin, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Day-Care Center	49.00	1000sqft	8.05	49,000.00	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>	9			<b>Operational Year</b>	2026
<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**

- Project Characteristics -
- Land Use - Parcel is 8.05 acre
- Construction Phase - No construction- existing use
- Off-road Equipment -
- Vehicle Trips -
- Area Coating - SCAQMD Rule 1113
- Energy Use -
- Area Mitigation - SCAQMD Rule 1113
- Trips and VMT -

## Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Winter

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	0.00
tblLandUse	LotAcreage	1.12	8.05

## 2.0 Emissions Summary

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Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0329	5.0000e-005	4.9900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114
Energy	0.0171	0.1552	0.1304	9.3000e-004		0.0118	0.0118		0.0118	0.0118		186.2079	186.2079	3.5700e-003	3.4100e-003	187.3144
Mobile	3.5009	16.1868	32.1779	0.1219	11.2124	0.0944	11.3069	2.9989	0.0876	3.0866		12,478.1106	12,478.1106	0.6218		12,493.6552
<b>Total</b>	<b>4.5509</b>	<b>16.3420</b>	<b>32.3132</b>	<b>0.1228</b>	<b>11.2124</b>	<b>0.1063</b>	<b>11.3187</b>	<b>2.9989</b>	<b>0.0995</b>	<b>3.0984</b>		<b>12,664.3292</b>	<b>12,664.3292</b>	<b>0.6254</b>	<b>3.4100e-003</b>	<b>12,680.9811</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	1.0329	5.0000e-005	4.9900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114
Energy	0.0171	0.1552	0.1304	9.3000e-004		0.0118	0.0118		0.0118	0.0118		186.2079	186.2079	3.5700e-003	3.4100e-003	187.3144
Mobile	3.5009	16.1868	32.1779	0.1219	11.2124	0.0944	11.3069	2.9989	0.0876	3.0866		12,478.1106	12,478.1106	0.6218		12,493.6552
<b>Total</b>	<b>4.5509</b>	<b>16.3420</b>	<b>32.3132</b>	<b>0.1228</b>	<b>11.2124</b>	<b>0.1063</b>	<b>11.3187</b>	<b>2.9989</b>	<b>0.0995</b>	<b>3.0984</b>		<b>12,664.3292</b>	<b>12,664.3292</b>	<b>0.6254</b>	<b>3.4100e-003</b>	<b>12,680.9811</b>

Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Demolition	4/1/2000	4/1/2000	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

#### 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
No Construction	0	0.00	0.00	0.00	14.70	6.90				

### 3.1 Mitigation Measures Construction



Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Winter

**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	3.5009	16.1868	32.1779	0.1219	11.2124	0.0944	11.3069	2.9989	0.0876	3.0866		12,478.1106	12,478.1106	0.6218		12,493.6552
Unmitigated	3.5009	16.1868	32.1779	0.1219	11.2124	0.0944	11.3069	2.9989	0.0876	3.0866		12,478.1106	12,478.1106	0.6218		12,493.6552

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Day-Care Center	3,628.94	304.29	285.67	3,891,665	3,891,665
Total	3,628.94	304.29	285.67	3,891,665	3,891,665

**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
Day-Care Center	16.60	8.40	6.90	12.70	82.30	5.00	28	58	14

**4.4 Fleet Mix**

Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Day-Care Center	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811

**5.0 Energy Detail**

Historical Energy Use: Y

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0171	0.1552	0.1304	9.3000e-004		0.0118	0.0118		0.0118	0.0118		186.2079	186.2079	3.5700e-003	3.4100e-003	187.3144
NaturalGas Unmitigated	0.0171	0.1552	0.1304	9.3000e-004		0.0118	0.0118		0.0118	0.0118		186.2079	186.2079	3.5700e-003	3.4100e-003	187.3144



Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Day-Care Center	1582.77	0.0171	0.1552	0.1304	9.3000e-004		0.0118	0.0118		0.0118	0.0118		186.2079	186.2079	3.5700e-003	3.4100e-003	187.3144
<b>Total</b>		<b>0.0171</b>	<b>0.1552</b>	<b>0.1304</b>	<b>9.3000e-004</b>		<b>0.0118</b>	<b>0.0118</b>		<b>0.0118</b>	<b>0.0118</b>		<b>186.2079</b>	<b>186.2079</b>	<b>3.5700e-003</b>	<b>3.4100e-003</b>	<b>187.3144</b>

**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					
Day-Care Center	1.58277	0.0171	0.1552	0.1304	9.3000e-004		0.0118	0.0118		0.0118	0.0118		186.2079	186.2079	3.5700e-003	3.4100e-003	187.3144
<b>Total</b>		<b>0.0171</b>	<b>0.1552</b>	<b>0.1304</b>	<b>9.3000e-004</b>		<b>0.0118</b>	<b>0.0118</b>		<b>0.0118</b>	<b>0.0118</b>		<b>186.2079</b>	<b>186.2079</b>	<b>3.5700e-003</b>	<b>3.4100e-003</b>	<b>187.3144</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Winter

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0329	5.0000e-005	4.9900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114
Unmitigated	1.0329	5.0000e-005	4.9900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114

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	0.0622					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6000e-004	5.0000e-005	4.9900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114
<b>Total</b>	<b>1.0329</b>	<b>5.0000e-005</b>	<b>4.9900e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0107</b>	<b>0.0107</b>	<b>3.0000e-005</b>		<b>0.0114</b>

Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Winter

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0622					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6000e-004	5.0000e-005	4.9900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114
<b>Total</b>	<b>1.0329</b>	<b>5.0000e-005</b>	<b>4.9900e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0107</b>	<b>0.0107</b>	<b>3.0000e-005</b>		<b>0.0114</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Winter

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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Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Annual

**Vincent Place Residential Project- Existing Uses  
South Coast Air Basin, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Day-Care Center	49.00	1000sqft	8.05	49,000.00	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>	9			<b>Operational Year</b>	2026
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	448.24	<b>CH4 Intensity (lb/MW hr)</b>	0.019	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics - Adjusted per RPS

Land Use - Parcel is 8.05 acre

Construction Phase - No construction- existing use

Off-road Equipment -

Trips and VMT -

Vehicle Trips -

Area Coating - Per SCAQMD Rule 1113

Energy Use -

Area Mitigation - SCAQMD Rule 1113

## Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Annual

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	0.00
tblLandUse	LotAcreage	1.12	8.05
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.019
tblProjectCharacteristics	CO2IntensityFactor	702.44	448.24
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004

## 2.0 Emissions Summary

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Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

**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	0.1885	1.0000e-005	6.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2200e-003	1.2200e-003	0.0000	0.0000	1.3000e-003
Energy	3.1200e-003	0.0283	0.0238	1.7000e-004		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	101.3640	101.3640	3.5800e-003	1.1900e-003	101.8095
Mobile	0.4533	2.2050	4.3442	0.0166	1.4777	0.0126	1.4903	0.3958	0.0117	0.4075	0.0000	1,544.4960	1,544.4960	0.0746	0.0000	1,546.3601
Waste						0.0000	0.0000		0.0000	0.0000	12.9305	0.0000	12.9305	0.7642	0.0000	32.0348
Water						0.0000	0.0000		0.0000	0.0000	0.6667	17.7709	18.4376	0.0692	1.7800e-003	20.6976
<b>Total</b>	<b>0.6449</b>	<b>2.2333</b>	<b>4.3686</b>	<b>0.0168</b>	<b>1.4777</b>	<b>0.0148</b>	<b>1.4925</b>	<b>0.3958</b>	<b>0.0139</b>	<b>0.4097</b>	<b>13.5973</b>	<b>1,663.6320</b>	<b>1,677.2293</b>	<b>0.9115</b>	<b>2.9700e-003</b>	<b>1,700.9032</b>



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**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	0.1885	1.0000e-005	6.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2200e-003	1.2200e-003	0.0000	0.0000	1.3000e-003
Energy	3.1200e-003	0.0283	0.0238	1.7000e-004		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	101.3640	101.3640	3.5800e-003	1.1900e-003	101.8095
Mobile	0.4533	2.2050	4.3442	0.0166	1.4777	0.0126	1.4903	0.3958	0.0117	0.4075	0.0000	1,544.4960	1,544.4960	0.0746	0.0000	1,546.3601
Waste						0.0000	0.0000		0.0000	0.0000	12.9305	0.0000	12.9305	0.7642	0.0000	32.0348
Water						0.0000	0.0000		0.0000	0.0000	0.6667	17.7709	18.4376	0.0692	1.7800e-003	20.6976
<b>Total</b>	<b>0.6449</b>	<b>2.2333</b>	<b>4.3686</b>	<b>0.0168</b>	<b>1.4777</b>	<b>0.0148</b>	<b>1.4925</b>	<b>0.3958</b>	<b>0.0139</b>	<b>0.4097</b>	<b>13.5973</b>	<b>1,663.6320</b>	<b>1,677.2293</b>	<b>0.9115</b>	<b>2.9700e-003</b>	<b>1,700.9032</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**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No Construction	Demolition	4/1/2000	4/1/2000	5	0	

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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**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
No Construction			0.00	0.00	14.70	6.90				

**3.1 Mitigation Measures Construction**



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**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	tons/yr										MT/yr					
Mitigated	0.4533	2.2050	4.3442	0.0166	1.4777	0.0126	1.4903	0.3958	0.0117	0.4075	0.0000	1,544.4960	1,544.4960	0.0746	0.0000	1,546.3601
Unmitigated	0.4533	2.2050	4.3442	0.0166	1.4777	0.0126	1.4903	0.3958	0.0117	0.4075	0.0000	1,544.4960	1,544.4960	0.0746	0.0000	1,546.3601

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Day-Care Center	3,628.94	304.29	285.67	3,891,665	3,891,665
Total	3,628.94	304.29	285.67	3,891,665	3,891,665

**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
Day-Care Center	16.60	8.40	6.90	12.70	82.30	5.00	28	58	14

**4.4 Fleet Mix**

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Day-Care Center	0.554129	0.042164	0.205182	0.113554	0.013848	0.005806	0.021992	0.033191	0.002140	0.001609	0.004858	0.000715	0.000811

**5.0 Energy Detail**

Historical Energy Use: Y

**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	70.5352	70.5352	2.9900e-003	6.3000e-004	70.7975
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	70.5352	70.5352	2.9900e-003	6.3000e-004	70.7975
NaturalGas Mitigated	3.1200e-003	0.0283	0.0238	1.7000e-004		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	30.8288	30.8288	5.9000e-004	5.7000e-004	31.0120
NaturalGas Unmitigated	3.1200e-003	0.0283	0.0238	1.7000e-004		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	30.8288	30.8288	5.9000e-004	5.7000e-004	31.0120

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Day-Care Center	577710	3.1200e-003	0.0283	0.0238	1.7000e-004		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	30.8288	30.8288	5.9000e-004	5.7000e-004	31.0120
<b>Total</b>		<b>3.1200e-003</b>	<b>0.0283</b>	<b>0.0238</b>	<b>1.7000e-004</b>		<b>2.1500e-003</b>	<b>2.1500e-003</b>		<b>2.1500e-003</b>	<b>2.1500e-003</b>	<b>0.0000</b>	<b>30.8288</b>	<b>30.8288</b>	<b>5.9000e-004</b>	<b>5.7000e-004</b>	<b>31.0120</b>

**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	tons/yr										MT/yr					
Day-Care Center	577710	3.1200e-003	0.0283	0.0238	1.7000e-004		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	30.8288	30.8288	5.9000e-004	5.7000e-004	31.0120
<b>Total</b>		<b>3.1200e-003</b>	<b>0.0283</b>	<b>0.0238</b>	<b>1.7000e-004</b>		<b>2.1500e-003</b>	<b>2.1500e-003</b>		<b>2.1500e-003</b>	<b>2.1500e-003</b>	<b>0.0000</b>	<b>30.8288</b>	<b>30.8288</b>	<b>5.9000e-004</b>	<b>5.7000e-004</b>	<b>31.0120</b>

Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Annual

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Day-Care Center	346920	70.5352	2.9900e-003	6.3000e-004	70.7975
<b>Total</b>		<b>70.5352</b>	<b>2.9900e-003</b>	<b>6.3000e-004</b>	<b>70.7975</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Day-Care Center	346920	70.5352	2.9900e-003	6.3000e-004	70.7975
<b>Total</b>		<b>70.5352</b>	<b>2.9900e-003</b>	<b>6.3000e-004</b>	<b>70.7975</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive 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	0.1885	1.0000e-005	6.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2200e-003	1.2200e-003	0.0000	0.0000	1.3000e-003
Unmitigated	0.1885	1.0000e-005	6.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2200e-003	1.2200e-003	0.0000	0.0000	1.3000e-003

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	0.0114					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1771					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2200e-003	1.2200e-003	0.0000	0.0000	1.3000e-003
<b>Total</b>	<b>0.1885</b>	<b>1.0000e-005</b>	<b>6.2000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.2200e-003</b>	<b>1.2200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.3000e-003</b>



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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0114					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1771					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2200e-003	1.2200e-003	0.0000	0.0000	1.3000e-003
<b>Total</b>	<b>0.1885</b>	<b>1.0000e-005</b>	<b>6.2000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.2200e-003</b>	<b>1.2200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.3000e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	18.4376	0.0692	1.7800e-003	20.6976
Unmitigated	18.4376	0.0692	1.7800e-003	20.6976

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Day-Care Center	2.10159 / 5.40409	18.4376	0.0692	1.7800e-003	20.6976
<b>Total</b>		<b>18.4376</b>	<b>0.0692</b>	<b>1.7800e-003</b>	<b>20.6976</b>

Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Annual

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Day-Care Center	2.10159 / 5.40409	18.4376	0.0692	1.7800e-003	20.6976
<b>Total</b>		<b>18.4376</b>	<b>0.0692</b>	<b>1.7800e-003</b>	<b>20.6976</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	12.9305	0.7642	0.0000	32.0348
Unmitigated	12.9305	0.7642	0.0000	32.0348

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**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Day-Care Center	63.7	12.9305	0.7642	0.0000	32.0348
<b>Total</b>		<b>12.9305</b>	<b>0.7642</b>	<b>0.0000</b>	<b>32.0348</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Day-Care Center	63.7	12.9305	0.7642	0.0000	32.0348
<b>Total</b>		<b>12.9305</b>	<b>0.7642</b>	<b>0.0000</b>	<b>32.0348</b>

**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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Vincent Place Residential Project- Existing Uses - South Coast Air Basin, Annual

**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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## N2O Operational GHG Emission Mobile Calculations

Project Title: Vincent Place Residential Project (Proposed Uses)

Vehicle Population Breakdown*	
12344456	Gasoline vehicles
615111	Diesel vehicles
95.3%	Gasoline vehicle %
4.7%	Diesel vehicle %

VMT per Vehicle Type	
2,214,735	Project VMT (CalEEMod output)
2109615	Gasoline vehicle VMT
105120	Diesel vehicle VMT

Gasoline Vehicles	
95.3%	Gasoline vehicle %
1.0329	Tons per year mobile NOX emissions (annual output in CalEEMod)
0.98	Gasoline vehicle tons per year NOX emissions
0.0605	Tons per year N2O emissions for gasoline vehicles**
0.0549	Metric tons per year N2O emissions for gasoline vehicles

Diesel Vehicles	
1.60	grams N2O per gallon of fuel for diesel vehicles**
21.36	Diesel average miles per gallon*
0.07491	grams per mile N2O for diesel vehicles
7874.6	grams per year N2O for diesel vehicles
0.0078746	Metric tons per year N2O emissions for diesel vehicles

CO2e Emissions from N2O	
0.0628	Metric tons per year from gasoline + diesel vehicles
298	GWP of N2O***
<b>18.7</b>	<b>CO2e emissions per year from N2O emissions from gasoline + diesel vehicles</b>

Sources
<p><b>*Vehicle population source:</b>                      Source: EMFAC2017 (v1.0.3) Emissions Inventory                      Region Type: Air District                      Region: South Coast AQMD                      Calendar Year: 2026                      Season: Annual                      Vehicle Classification: EMFAC2011 Categories</p> <p><b>**Methodology source:</b>                      EMFAC2017 Volume III - Technical Documentation  <a href="https://www.arb.ca.gov/msei/emfac2011-faq.htm">https://www.arb.ca.gov/msei/emfac2011-faq.htm</a></p> <p><b>***GWP source:</b>                      Intergovernmental Panel on Climate Change (IPCC). 2007.                      AR4 Climate Change 2007: The Physical Science Basis.                      Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change.</p>

## N2O Operational GHG Emission Mobile Calculations

Project Title: Vincent Place Residential Project (Existing Uses)

Vehicle Population Breakdown*	
12344456	Gasoline vehicles
6151111	Diesel vehicles
95.3%	Gasoline vehicle %
4.7%	Diesel vehicle %

VMT per Vehicle Type	
3,891,665	Project VMT (CalEEMod output)
3706952	Gasoline vehicle VMT
184713	Diesel vehicle VMT

Gasoline Vehicles	
95.3%	Gasoline vehicle %
2.205	Tons per year mobile NOX emissions (annual output in CalEEMod)
2.10	Gasoline vehicle tons per year NOX emissions
0.1027	Tons per year N2O emissions for gasoline vehicles**
0.0931	Metric tons per year N2O emissions for gasoline vehicles

Diesel Vehicles	
1.60	grams N2O per gallon of fuel for diesel vehicles**
21.36	Diesel average miles per gallon*
0.07491	grams per mile N2O for diesel vehicles
13837.0	grams per year N2O for diesel vehicles
0.0138370	Metric tons per year N2O emissions for diesel vehicles

CO2e Emissions from N2O	
0.1070	Metric tons per year from gasoline + diesel vehicles
298	GWP of N2O***
<b>31.9</b>	<b>CO2e emissions per year from N2O emissions from gasoline + diesel vehicles</b>

Sources
<p><b>*Vehicle population source:</b>                      Source: EMFAC2017 (v1.0.3) Emissions Inventory                      Region Type: Air District                      Region: South Coast AQMD                      Calendar Year: 2026                      Season: Annual                      Vehicle Classification: EMFAC2011 Categories</p> <p><b>**Methodology source:</b>                      EMFAC2017 Volume III - Technical Documentation  <a href="https://www.arb.ca.gov/msei/emfac2011-faq.htm">https://www.arb.ca.gov/msei/emfac2011-faq.htm</a></p> <p><b>***GWP source:</b>                      Intergovernmental Panel on Climate Change (IPCC). 2007.                      AR4 Climate Change 2007: The Physical Science Basis.                      Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change.</p>