

# Appendix C

---

## Air Quality

### Appendix C.1 Air Quality Modeling Worksheets

- CalEEMod Assumptions and Data Input Modifications
- 3<sup>rd</sup> and Fairfax Mixed-Use Project - Existing Conditions – Summer
- 3<sup>rd</sup> and Fairfax Mixed-Use Project - Existing Conditions – Winter
- 3<sup>rd</sup> and Fairfax Mixed-Use Project – Summer
- 3<sup>rd</sup> and Fairfax Mixed-Use Project – Winter
- 3<sup>rd</sup> and Fairfax Mixed-Use Project-2023 With Mitigation – Summer
- 3<sup>rd</sup> and Fairfax Mixed-Use Project-2023 With Mitigation – Winter

**Appendix C.2.** City of Los Angeles, Department of City Planning, *Air Quality And Health Effects Sierra Club V. County of Fresno*, October 2019

# Appendix C.1

---

## Air Quality Modeling Worksheets

- CalEEMod Assumptions and Data Input Modifications
- 3<sup>rd</sup> and Fairfax Mixed-Use Project - Existing Conditions – Summer
- 3<sup>rd</sup> and Fairfax Mixed-Use Project - Existing Conditions – Winter
- 3<sup>rd</sup> and Fairfax Mixed-Use Project – Summer
- 3<sup>rd</sup> and Fairfax Mixed-Use Project – Winter
- 3<sup>rd</sup> and Fairfax Mixed-Use Project-2023 With Mitigation – Summer
- 3<sup>rd</sup> and Fairfax Mixed-Use Project-2023 With Mitigation – Winter

CalEEMod Assumptions and Data Input Modifications

The following information outlines the changes made to the input data for the CalEEMod program to better align with LADOT's VMT Calculator. The VMT calculations provided in the Supplemental VMT Traffic Analysis (provided in Appendix H.1 to the Draft EIR) is based on City and community specific traffic model data and provides for a more accurate analysis of VMT than the default data provided in CalEEMod. However, because the LADOT's VMT Calculator is not entirely aligned with the input data and program methodology applied in CalEEMod, and does not account for weekend or pass-by trips, several adjustments to the model were required. The following outlines the steps that were taken to calculate the Project's mobile source emissions in CalEEMod using the data that is provided in the VMT-based traffic model.

1. The VMT Calculator is based on different trip generation rates and travel patterns than the CalEEMod program. Therefore, the average daily trips is consolidated for the entire project, as opposed to each land use type.
2. A user defined land use ("User Defined Commercial") was created to calculate Project Trips and VMTs. This land use category aggregates the trips and trip lengths for the project as a whole.
3. All trip data and trip type data was deleted from the individual land uses as the "User Defined Commercial" land use category aggregates all of the trip data for the project as a whole.
4. The average trip length was derived by dividing the total VMTs estimated in the LADOT VMT Calculator tool by the average daily trips.
5. The LADOT VMT Calculator tool factors in weekday trips only. Therefore, estimates for Saturday and Sunday trips were provided based on the ratio of Weekday to Weekend trips using CalEEMod default ITE trip rate data.
6. The LADOT VMT Calculator tool does not factor in pass-by trips. Therefore, a second user defined land use ("User Defined Parking") was included to capture VMTs from pass-by trips. Pass-by trips were estimated based on ITE Trip Generation rates provided by LLG Traffic Engineers.

EXISTING CONDITIONS		WEEKDAY		SATURDAY		SUNDAY	
		%		%	Trips	%	Trips
Daily Trips	VMT Calculator Tool		4,696	121%	5,669	64%	2,996
	ITE Trip Generation		5,232		6,316		3,338
	VMT		32,405		39,119		20,674
	Ave. Trip Length		6.90		6.90		6.90
	Pass-By Trips		1,511		1,832		928

PROPOSED PROJECT		WEEKDAY		SATURDAY		SUNDAY	
		%		%	Trips	%	Trips
Daily Trips	VMT Calculator Tool		6,571	144%	9,479	132%	8,705
	ITE Trip Generation		7,714		11,128		10,219
	VMT		43,914		63,349		58,174
	Ave. Trip Length		6.68		6.68		6.68
	Pass-By Trips		2,384		3,806		3,486

PROPOSED PROJECT WITH MITIGATION		WEEKDAY		SATURDAY		SUNDAY	
		%		%	Trips	%	Trips
Daily Trips	VMT Calculator Tool		6,143	144%	8,862	132%	8,138
	ITE Trip Generation		7,714		11,128		10,219
	VMT		41,197		59,430		54,575
	Ave. Trip Length		6.71		6.71		6.71
	Pass-By Trips[a]		2,384		3,806		3,486

[a] The estimate for pass-by trips was assumed to be the same as indicated for the Proposed Project as these trips would not be affected by the Project's trip-reducing mitigation measures.

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Summer

**3rd and Fairfax Mixed-Use Project - Existing Conditions**  
**South Coast AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	6.08	1000sqft	0.15	6,085.00	0
Regional Shopping Center	144.96	1000sqft	3.00	144,963.00	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>	11			<b>Operational Year</b>	2018
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	1227.89	<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 - User defined commercial is a surrogate for estimating mobile source emissions based on LADOT's VMT calculator. User defined parking is a surrogate for pass by trips associated with existing uses (not included in LADOT's VMT calculations)

Vehicle Trips - See CalEEMod data assumptions page.

Stationary Sources - Emergency Generators and Fire Pumps -

## 3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	6,080.00	6,085.00
tblLandUse	LandUseSquareFeet	144,960.00	144,963.00
tblLandUse	LotAcreage	0.14	0.15
tblLandUse	LotAcreage	3.33	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	6.90
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	72.50	0.00
tblVehicleTrips	CC_TTP	64.70	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	DV_TP	20.00	0.00

## 3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Summer

tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	37.00	0.00
tblVehicleTrips	PR_TP	54.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	0.00	5,669.00
tblVehicleTrips	ST_TR	0.00	1,832.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	0.00	2,996.00
tblVehicleTrips	SU_TR	0.00	928.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	0.00	4,696.00
tblVehicleTrips	WD_TR	0.00	1,511.00

## 2.0 Emissions Summary

---



3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, 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	3.3759	1.5000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0335	0.0335	9.0000e-005		0.0358
Energy	0.0499	0.4539	0.3813	2.7200e-003		0.0345	0.0345		0.0345	0.0345		544.6744	544.6744	0.0104	9.9900e-003	547.9112
Mobile	14.7621	63.0915	154.3763	0.4280	30.4186	0.5018	30.9204	8.1405	0.4727	8.6131		43,429.5963	43,429.5963	2.5884		43,494.3060
Stationary	1.6411	7.3388	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566
<b>Total</b>	<b>19.8290</b>	<b>70.8843</b>	<b>158.9578</b>	<b>0.4386</b>	<b>30.4186</b>	<b>0.7778</b>	<b>31.1964</b>	<b>8.1405</b>	<b>0.7486</b>	<b>8.8891</b>		<b>44,813.8183</b>	<b>44,813.8183</b>	<b>2.7166</b>	<b>9.9900e-003</b>	<b>44,884.7096</b>



3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Summer

**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	lb/day										lb/day					
Area	3.3759	1.5000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0335	0.0335	9.0000e-005		0.0358
Energy	0.0499	0.4539	0.3813	2.7200e-003		0.0345	0.0345		0.0345	0.0345		544.6744	544.6744	0.0104	9.9900e-003	547.9112
Mobile	14.7621	63.0915	154.3763	0.4280	30.4186	0.5018	30.9204	8.1405	0.4727	8.6131		43,429.5963	43,429.5963	2.5884		43,494.3060
Stationary	1.6411	7.3388	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566
<b>Total</b>	<b>19.8290</b>	<b>70.8843</b>	<b>158.9578</b>	<b>0.4386</b>	<b>30.4186</b>	<b>0.7778</b>	<b>31.1964</b>	<b>8.1405</b>	<b>0.7486</b>	<b>8.8891</b>		<b>44,813.8183</b>	<b>44,813.8183</b>	<b>2.7166</b>	<b>9.9900e-003</b>	<b>44,884.7096</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>0.00</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>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Ignore Construction Data	Site Preparation	1/1/2018	1/5/2018	5	5	

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

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

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Summer

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
Ignore Construction Data	Rubber Tired Dozers	1	1.00	247	0.40

**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
Ignore Construction Data	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Ignore Construction Data - 2018**

**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					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.1458	1.5700	0.5471	1.0700e-003		0.0763	0.0763		0.0702	0.0702		107.5217	107.5217	0.0335		108.3585
<b>Total</b>	<b>0.1458</b>	<b>1.5700</b>	<b>0.5471</b>	<b>1.0700e-003</b>	<b>0.7528</b>	<b>0.0763</b>	<b>0.8291</b>	<b>0.4138</b>	<b>0.0702</b>	<b>0.4840</b>		<b>107.5217</b>	<b>107.5217</b>	<b>0.0335</b>		<b>108.3585</b>

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Summer

**3.2 Ignore Construction Data - 2018**

**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</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>0.0000</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>

**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					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.1458	1.5700	0.5471	1.0700e-003		0.0763	0.0763		0.0702	0.0702	0.0000	107.5217	107.5217	0.0335		108.3585
<b>Total</b>	<b>0.1458</b>	<b>1.5700</b>	<b>0.5471</b>	<b>1.0700e-003</b>	<b>0.7528</b>	<b>0.0763</b>	<b>0.8291</b>	<b>0.4138</b>	<b>0.0702</b>	<b>0.4840</b>	<b>0.0000</b>	<b>107.5217</b>	<b>107.5217</b>	<b>0.0335</b>		<b>108.3585</b>

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Summer

**3.2 Ignore Construction Data - 2018**

**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</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>0.0000</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>

**4.0 Operational Detail - Mobile**

---

**4.1 Mitigation Measures Mobile**

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, 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	14.7621	63.0915	154.3763	0.4280	30.4186	0.5018	30.9204	8.1405	0.4727	8.6131		43,429.59 63	43,429.59 63	2.5884		43,494.30 60
Unmitigated	14.7621	63.0915	154.3763	0.4280	30.4186	0.5018	30.9204	8.1405	0.4727	8.6131		43,429.59 63	43,429.59 63	2.5884		43,494.30 60

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
User Defined Commercial	4,696.00	5,669.00	2996.00	11,533,626	11,533,626
User Defined Parking	1,511.00	1,832.00	928.00	53,638	53,638
<b>Total</b>	<b>6,207.00</b>	<b>7,501.00</b>	<b>3,924.00</b>	<b>11,587,264</b>	<b>11,587,264</b>

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High Turnover (Sit Down)	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Commercial	16.60	6.90	6.90	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High Turnover (Sit Down Restaurant)	0.544547	0.044708	0.198656	0.126890	0.018261	0.005879	0.019662	0.030939	0.001958	0.002113	0.004656	0.000702	0.001029
Regional Shopping Center	0.544547	0.044708	0.198656	0.126890	0.018261	0.005879	0.019662	0.030939	0.001958	0.002113	0.004656	0.000702	0.001029
User Defined Commercial	0.544547	0.044708	0.198656	0.126890	0.018261	0.005879	0.019662	0.030939	0.001958	0.002113	0.004656	0.000702	0.001029
User Defined Parking	0.544547	0.044708	0.198656	0.126890	0.018261	0.005879	0.019662	0.030939	0.001958	0.002113	0.004656	0.000702	0.001029

**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	0.0499	0.4539	0.3813	2.7200e-003		0.0345	0.0345		0.0345	0.0345		544.6744	544.6744	0.0104	9.9900e-003	547.9112
NaturalGas Unmitigated	0.0499	0.4539	0.3813	2.7200e-003		0.0345	0.0345		0.0345	0.0345		544.6744	544.6744	0.0104	9.9900e-003	547.9112

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, 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					
High Turnover (Sit Down Restaurant)	3906.9	0.0421	0.3830	0.3217	2.3000e-003		0.0291	0.0291		0.0291	0.0291		459.6357	459.6357	8.8100e-003	8.4300e-003	462.3671
Regional Shopping Center	722.829	7.8000e-003	0.0709	0.0595	4.3000e-004		5.3900e-003	5.3900e-003		5.3900e-003	5.3900e-003		85.0387	85.0387	1.6300e-003	1.5600e-003	85.5441
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0499</b>	<b>0.4539</b>	<b>0.3813</b>	<b>2.7300e-003</b>		<b>0.0345</b>	<b>0.0345</b>		<b>0.0345</b>	<b>0.0345</b>		<b>544.6744</b>	<b>544.6744</b>	<b>0.0104</b>	<b>9.9900e-003</b>	<b>547.9112</b>

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Summer

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High Turnover (Sit Down Restaurant)	3.9069	0.0421	0.3830	0.3217	2.3000e-003		0.0291	0.0291		0.0291	0.0291		459.6357	459.6357	8.8100e-003	8.4300e-003	462.3671
Regional Shopping Center	0.722829	7.8000e-003	0.0709	0.0595	4.3000e-004		5.3900e-003	5.3900e-003		5.3900e-003	5.3900e-003		85.0387	85.0387	1.6300e-003	1.5600e-003	85.5441
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0499</b>	<b>0.4539</b>	<b>0.3813</b>	<b>2.7300e-003</b>		<b>0.0345</b>	<b>0.0345</b>		<b>0.0345</b>	<b>0.0345</b>		<b>544.6744</b>	<b>544.6744</b>	<b>0.0104</b>	<b>9.9900e-003</b>	<b>547.9112</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, 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	3.3759	1.5000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0335	0.0335	9.0000e-005		0.0358
Unmitigated	3.3759	1.5000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0335	0.0335	9.0000e-005		0.0358

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	0.3836					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9908					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5100e-003	1.5000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0335	0.0335	9.0000e-005		0.0358
<b>Total</b>	<b>3.3759</b>	<b>1.5000e-004</b>	<b>0.0158</b>	<b>0.0000</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>		<b>0.0335</b>	<b>0.0335</b>	<b>9.0000e-005</b>		<b>0.0358</b>

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, 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	0.3836					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9908					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5100e-003	1.5000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0335	0.0335	9.0000e-005		0.0358
<b>Total</b>	<b>3.3759</b>	<b>1.5000e-004</b>	<b>0.0158</b>	<b>0.0000</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>		<b>0.0335</b>	<b>0.0335</b>	<b>9.0000e-005</b>		<b>0.0358</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

Fire Pumps and Emergency Generators

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	12	1000	0.73	Diesel

**Boilers**

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

**User Defined Equipment**

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

**10.1 Stationary Sources**

Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	1.6411	7.3388	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566
<b>Total</b>	<b>1.6411</b>	<b>7.3388</b>	<b>4.1844</b>	<b>7.8900e-003</b>		<b>0.2414</b>	<b>0.2414</b>		<b>0.2414</b>	<b>0.2414</b>		<b>839.5141</b>	<b>839.5141</b>	<b>0.1177</b>		<b>842.4566</b>

**11.0 Vegetation**

---

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Winter

**3rd and Fairfax Mixed-Use Project - Existing Conditions**  
**South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	6.08	1000sqft	0.15	6,085.00	0
Regional Shopping Center	144.96	1000sqft	3.00	144,963.00	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>	11			<b>Operational Year</b>	2018
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	1227.89	<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 - User defined commercial is a surrogate for estimating mobile source emissions based on LADOT's VMT calculator. User defined parking is a surrogate for pass by trips associated with existing uses (not included in LADOT's VMT calculations)

Vehicle Trips - See CalEEMod data assumptions page.

Stationary Sources - Emergency Generators and Fire Pumps -

## 3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	6,080.00	6,085.00
tblLandUse	LandUseSquareFeet	144,960.00	144,963.00
tblLandUse	LotAcreage	0.14	0.15
tblLandUse	LotAcreage	3.33	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	6.90
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	72.50	0.00
tblVehicleTrips	CC_TTP	64.70	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	DV_TP	20.00	0.00

## 3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Winter

tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	37.00	0.00
tblVehicleTrips	PR_TP	54.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	0.00	5,669.00
tblVehicleTrips	ST_TR	0.00	1,832.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	0.00	2,996.00
tblVehicleTrips	SU_TR	0.00	928.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	0.00	4,696.00
tblVehicleTrips	WD_TR	0.00	1,511.00

## 2.0 Emissions Summary

---



3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, 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	3.3759	1.5000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0335	0.0335	9.0000e-005		0.0358
Energy	0.0499	0.4539	0.3813	2.7200e-003		0.0345	0.0345		0.0345	0.0345		544.6744	544.6744	0.0104	9.9900e-003	547.9112
Mobile	14.0965	64.0863	149.1357	0.4042	30.4186	0.5079	30.9264	8.1405	0.4784	8.6189		41,032.7202	41,032.7202	2.6154		41,098.1043
Stationary	1.6411	7.3388	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566
<b>Total</b>	<b>19.1634</b>	<b>71.8791</b>	<b>153.7172</b>	<b>0.4148</b>	<b>30.4186</b>	<b>0.7839</b>	<b>31.2024</b>	<b>8.1405</b>	<b>0.7544</b>	<b>8.8949</b>		<b>42,416.9422</b>	<b>42,416.9422</b>	<b>2.7436</b>	<b>9.9900e-003</b>	<b>42,488.5078</b>



3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Winter

**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	lb/day										lb/day					
Area	3.3759	1.5000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0335	0.0335	9.0000e-005		0.0358
Energy	0.0499	0.4539	0.3813	2.7200e-003		0.0345	0.0345		0.0345	0.0345		544.6744	544.6744	0.0104	9.9900e-003	547.9112
Mobile	14.0965	64.0863	149.1357	0.4042	30.4186	0.5079	30.9264	8.1405	0.4784	8.6189		41,032.7202	41,032.7202	2.6154		41,098.1043
Stationary	1.6411	7.3388	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566
<b>Total</b>	<b>19.1634</b>	<b>71.8791</b>	<b>153.7172</b>	<b>0.4148</b>	<b>30.4186</b>	<b>0.7839</b>	<b>31.2024</b>	<b>8.1405</b>	<b>0.7544</b>	<b>8.8949</b>		<b>42,416.9422</b>	<b>42,416.9422</b>	<b>2.7436</b>	<b>9.9900e-003</b>	<b>42,488.5078</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>0.00</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>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Ignore Construction Data	Site Preparation	1/1/2018	1/5/2018	5	5	

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

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

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Winter

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
Ignore Construction Data	Rubber Tired Dozers	1	1.00	247	0.40

**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
Ignore Construction Data	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Ignore Construction Data - 2018**

**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					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.1458	1.5700	0.5471	1.0700e-003		0.0763	0.0763		0.0702	0.0702		107.5217	107.5217	0.0335		108.3585
<b>Total</b>	<b>0.1458</b>	<b>1.5700</b>	<b>0.5471</b>	<b>1.0700e-003</b>	<b>0.7528</b>	<b>0.0763</b>	<b>0.8291</b>	<b>0.4138</b>	<b>0.0702</b>	<b>0.4840</b>		<b>107.5217</b>	<b>107.5217</b>	<b>0.0335</b>		<b>108.3585</b>

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Winter

**3.2 Ignore Construction Data - 2018**

**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</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>0.0000</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>

**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					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.1458	1.5700	0.5471	1.0700e-003		0.0763	0.0763		0.0702	0.0702	0.0000	107.5217	107.5217	0.0335		108.3585
<b>Total</b>	<b>0.1458</b>	<b>1.5700</b>	<b>0.5471</b>	<b>1.0700e-003</b>	<b>0.7528</b>	<b>0.0763</b>	<b>0.8291</b>	<b>0.4138</b>	<b>0.0702</b>	<b>0.4840</b>	<b>0.0000</b>	<b>107.5217</b>	<b>107.5217</b>	<b>0.0335</b>		<b>108.3585</b>

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Winter

**3.2 Ignore Construction Data - 2018**

**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</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>0.0000</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>

**4.0 Operational Detail - Mobile**

---

**4.1 Mitigation Measures Mobile**

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, 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	14.0965	64.0863	149.1357	0.4042	30.4186	0.5079	30.9264	8.1405	0.4784	8.6189		41,032.7202	41,032.7202	2.6154		41,098.1043
Unmitigated	14.0965	64.0863	149.1357	0.4042	30.4186	0.5079	30.9264	8.1405	0.4784	8.6189		41,032.7202	41,032.7202	2.6154		41,098.1043

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
User Defined Commercial	4,696.00	5,669.00	2996.00	11,533,626	11,533,626
User Defined Parking	1,511.00	1,832.00	928.00	53,638	53,638
Total	6,207.00	7,501.00	3,924.00	11,587,264	11,587,264

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
High Turnover (Sit Down)	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Commercial	16.60	6.90	6.90	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High Turnover (Sit Down Restaurant)	0.544547	0.044708	0.198656	0.126890	0.018261	0.005879	0.019662	0.030939	0.001958	0.002113	0.004656	0.000702	0.001029
Regional Shopping Center	0.544547	0.044708	0.198656	0.126890	0.018261	0.005879	0.019662	0.030939	0.001958	0.002113	0.004656	0.000702	0.001029
User Defined Commercial	0.544547	0.044708	0.198656	0.126890	0.018261	0.005879	0.019662	0.030939	0.001958	0.002113	0.004656	0.000702	0.001029
User Defined Parking	0.544547	0.044708	0.198656	0.126890	0.018261	0.005879	0.019662	0.030939	0.001958	0.002113	0.004656	0.000702	0.001029

**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	0.0499	0.4539	0.3813	2.7200e-003		0.0345	0.0345		0.0345	0.0345		544.6744	544.6744	0.0104	9.9900e-003	547.9112
NaturalGas Unmitigated	0.0499	0.4539	0.3813	2.7200e-003		0.0345	0.0345		0.0345	0.0345		544.6744	544.6744	0.0104	9.9900e-003	547.9112

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, 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					
High Turnover (Sit Down Restaurant)	3906.9	0.0421	0.3830	0.3217	2.3000e-003		0.0291	0.0291		0.0291	0.0291		459.6357	459.6357	8.8100e-003	8.4300e-003	462.3671
Regional Shopping Center	722.829	7.8000e-003	0.0709	0.0595	4.3000e-004		5.3900e-003	5.3900e-003		5.3900e-003	5.3900e-003		85.0387	85.0387	1.6300e-003	1.5600e-003	85.5441
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0499</b>	<b>0.4539</b>	<b>0.3813</b>	<b>2.7300e-003</b>		<b>0.0345</b>	<b>0.0345</b>		<b>0.0345</b>	<b>0.0345</b>		<b>544.6744</b>	<b>544.6744</b>	<b>0.0104</b>	<b>9.9900e-003</b>	<b>547.9112</b>

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Winter

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High Turnover (Sit Down Restaurant)	3.9069	0.0421	0.3830	0.3217	2.3000e-003		0.0291	0.0291		0.0291	0.0291		459.6357	459.6357	8.8100e-003	8.4300e-003	462.3671
Regional Shopping Center	0.722829	7.8000e-003	0.0709	0.0595	4.3000e-004		5.3900e-003	5.3900e-003		5.3900e-003	5.3900e-003		85.0387	85.0387	1.6300e-003	1.5600e-003	85.5441
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0499</b>	<b>0.4539</b>	<b>0.3813</b>	<b>2.7300e-003</b>		<b>0.0345</b>	<b>0.0345</b>		<b>0.0345</b>	<b>0.0345</b>		<b>544.6744</b>	<b>544.6744</b>	<b>0.0104</b>	<b>9.9900e-003</b>	<b>547.9112</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, 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	3.3759	1.5000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0335	0.0335	9.0000e-005		0.0358
Unmitigated	3.3759	1.5000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0335	0.0335	9.0000e-005		0.0358

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	0.3836					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9908					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5100e-003	1.5000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0335	0.0335	9.0000e-005		0.0358
<b>Total</b>	<b>3.3759</b>	<b>1.5000e-004</b>	<b>0.0158</b>	<b>0.0000</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>		<b>0.0335</b>	<b>0.0335</b>	<b>9.0000e-005</b>		<b>0.0358</b>

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, 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	0.3836					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9908					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5100e-003	1.5000e-004	0.0158	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0335	0.0335	9.0000e-005		0.0358
<b>Total</b>	<b>3.3759</b>	<b>1.5000e-004</b>	<b>0.0158</b>	<b>0.0000</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>		<b>0.0335</b>	<b>0.0335</b>	<b>9.0000e-005</b>		<b>0.0358</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

Fire Pumps and Emergency Generators

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	12	1000	0.73	Diesel

**Boilers**

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

**User Defined Equipment**

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

**10.1 Stationary Sources**

Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	1.6411	7.3388	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566
<b>Total</b>	<b>1.6411</b>	<b>7.3388</b>	<b>4.1844</b>	<b>7.8900e-003</b>		<b>0.2414</b>	<b>0.2414</b>		<b>0.2414</b>	<b>0.2414</b>		<b>839.5141</b>	<b>839.5141</b>	<b>0.1177</b>		<b>842.4566</b>

**11.0 Vegetation**

---

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**3rd and Fairfax Mixed-Use Project**  
**South Coast AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	996.00	Space	0.00	398,400.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	7.50	1000sqft	0.00	7,500.00	0
Apartments Mid Rise	331.00	Dwelling Unit	3.15	343,000.00	801
Regional Shopping Center	13.41	1000sqft	0.00	13,412.00	0
Supermarket	63.08	1000sqft	0.00	63,082.00	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>	11			<b>Operational Year</b>	2023
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	1227.89	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

Project Characteristics -

Land Use - Project data per site plan dated January 2019 with updated parking plan dated February 2020 (996 spaces). Population estimate is based on 2.42 persons per household per City Planning demographic data.

Construction Phase - Construction schedule assumes an approximate 32 month timeline.

Off-road Equipment - Construction equipment per applicant data.

Off-road Equipment - Equipment per Applicant data.

Off-road Equipment -

Off-road Equipment - Construction equipment per Applicant data

Off-road Equipment -

Off-road Equipment - Construction equipment per Applicant data.

Trips and VMT - Demo debris export trips assume 130 loads (260 trips) for asphalt concrete debris (1,300 cy/10 cy hauling capacity) and 874 loads (1,748 trips) for demolition debris (151,048 sf = 377,620 ft3 of building volume = 13,986 cy/16 cy hauling capacity).

Demolition - Demolition phase includes 151,048 sf of building demolition debris (x0.046 = 6,948 tons) and 1,300 cy of asphalt debris (x2,400 lbs/cy = 1560 tons)

Grading - Pre-demolition abatement assumes 50 cy of debris export. Grading phase includes 110,000 cy of soil export.

Vehicle Trips - Mobile source emissions based on LADOT VMT Calculator - see attached assumptions and data input modifications sheet.

Woodstoves - No fireplaces are proposed.

Land Use Change -

Sequestration - Sequestration includes 83 new trees per landscape plan.

Construction Off-road Equipment Mitigation - Mitigation assumes compliance with AQMD Rule 403 (dust suppression) with a watering frequency of 3x a day (=61% reduction in fugitive dust).

Area Mitigation - Application of low-VOC architectural coatings per LA Green Building Code.

Energy Mitigation - Energy Star Rated appliances required per LA Green Building Code.

Water Mitigation - Water conservation measures are mandatory per compliance with the LA Green Building Code.

Waste Mitigation - Solid waste recycling program is mandatory under the LA Green Building Code.

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	23,904.00	22,872.00

## 3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

tblAreaCoating	Area_Parking	23904	22872
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	18.00	88.00
tblConstructionPhase	NumDays	230.00	484.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	8.00	65.00
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	5.00	15.00
tblFireplaces	NumberGas	281.35	0.00
tblFireplaces	NumberNoFireplace	33.10	331.00
tblFireplaces	NumberWood	16.55	0.00
tblGrading	MaterialExported	0.00	110,000.00
tblLandUse	LandUseSquareFeet	331,000.00	343,000.00
tblLandUse	LandUseSquareFeet	13,410.00	13,412.00
tblLandUse	LandUseSquareFeet	63,080.00	63,082.00
tblLandUse	LotAcreage	8.96	0.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	8.71	3.15
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	LotAcreage	1.45	0.00
tblLandUse	Population	947.00	801.00
tblOffRoadEquipment	HorsePower	89.00	247.00
tblOffRoadEquipment	HorsePower	84.00	97.00
tblOffRoadEquipment	LoadFactor	0.20	0.40
tblOffRoadEquipment	LoadFactor	0.74	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00

## 3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

tblSequestration	NumberOfNewTrees	0.00	83.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	11.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	841.00	2,008.00
tblTripsAndVMT	VendorTripNumber	114.00	112.00
tblTripsAndVMT	WorkerTripNumber	28.00	60.00
tblTripsAndVMT	WorkerTripNumber	433.00	150.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	6.68
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	72.50	0.00
tblVehicleTrips	CC_TTP	64.70	0.00
tblVehicleTrips	CC_TTP	74.50	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00

## 3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	CW_TTP	6.50	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	36.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	PR_TP	37.00	0.00



## 3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

tblVehicleTrips	PR_TP	54.00	0.00
tblVehicleTrips	PR_TP	34.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	177.59	0.00
tblVehicleTrips	ST_TR	0.00	9,479.00
tblVehicleTrips	ST_TR	0.00	3,806.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	166.44	0.00
tblVehicleTrips	SU_TR	0.00	8,705.00
tblVehicleTrips	SU_TR	0.00	3,486.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	102.24	0.00
tblVehicleTrips	WD_TR	0.00	6,571.00
tblVehicleTrips	WD_TR	0.00	2,384.00
tblWoodstoves	NumberCatalytic	16.55	0.00
tblWoodstoves	NumberNoncatalytic	16.55	0.00

## 2.0 Emissions Summary

---

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.4840	97.4802	41.7607	0.2530	11.8492	1.8333	13.6825	4.7896	1.6939	6.4835	0.0000	26,681.3179	26,681.3179	3.1149	0.0000	26,759.1896
2022	2.9121	28.5493	27.0028	0.0766	2.3935	0.9648	3.3583	0.6510	0.9152	1.5662	0.0000	7,669.2819	7,669.2819	0.8588	0.0000	7,690.7530
2023	35.4185	24.6466	26.2407	0.0751	2.3935	0.8288	3.2222	0.6510	0.7861	1.4372	0.0000	7,518.7246	7,518.7246	0.8257	0.0000	7,539.3669
<b>Maximum</b>	<b>35.4185</b>	<b>97.4802</b>	<b>41.7607</b>	<b>0.2530</b>	<b>11.8492</b>	<b>1.8333</b>	<b>13.6825</b>	<b>4.7896</b>	<b>1.6939</b>	<b>6.4835</b>	<b>0.0000</b>	<b>26,681.3179</b>	<b>26,681.3179</b>	<b>3.1149</b>	<b>0.0000</b>	<b>26,759.1896</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.4840	97.4802	41.7607	0.2530	7.7355	1.8333	9.5688	2.7178	1.6939	4.4117	0.0000	26,681.3179	26,681.3179	3.1149	0.0000	26,759.1896
2022	2.9121	28.5493	27.0028	0.0766	2.3935	0.9648	3.3583	0.6510	0.9152	1.5662	0.0000	7,669.2819	7,669.2819	0.8588	0.0000	7,690.7530
2023	35.4185	24.6466	26.2407	0.0751	2.3935	0.8288	3.2222	0.6510	0.7861	1.4372	0.0000	7,518.7246	7,518.7246	0.8257	0.0000	7,539.3669
<b>Maximum</b>	<b>35.4185</b>	<b>97.4802</b>	<b>41.7607</b>	<b>0.2530</b>	<b>7.7355</b>	<b>1.8333</b>	<b>9.5688</b>	<b>2.7178</b>	<b>1.6939</b>	<b>4.4117</b>	<b>0.0000</b>	<b>26,681.3179</b>	<b>26,681.3179</b>	<b>3.1149</b>	<b>0.0000</b>	<b>26,759.1896</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, 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	24.73	0.00	20.30	34.01	0.00	21.84	0.00	0.00	0.00	0.00	0.00	0.00

**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	10.2591	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4076	49.4076	0.0479	0.0000	50.6052
Energy	0.1831	1.6150	1.0374	9.9900e-003		0.1265	0.1265		0.1265	0.1265		1,997.0097	1,997.0097	0.0383	0.0366	2,008.8769
Mobile	16.8279	70.1338	166.7264	0.6129	49.3037	0.4296	49.7333	13.1912	0.3993	13.5905		62,543.9713	62,543.9713	2.9865		62,618.6330
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
<b>Total</b>	<b>30.5522</b>	<b>86.7422</b>	<b>203.5570</b>	<b>0.6401</b>	<b>49.3037</b>	<b>1.1905</b>	<b>50.4941</b>	<b>13.1912</b>	<b>1.1601</b>	<b>14.3514</b>	<b>0.0000</b>	<b>66,269.4169</b>	<b>66,269.4169</b>	<b>3.3081</b>	<b>0.0366</b>	<b>66,363.0284</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**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	lb/day										lb/day					
Area	10.2591	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4076	49.4076	0.0479	0.0000	50.6052
Energy	0.1831	1.6150	1.0374	9.9900e-003		0.1265	0.1265		0.1265	0.1265		1,997.0097	1,997.0097	0.0383	0.0366	2,008.8769
Mobile	16.8279	70.1338	166.7264	0.6129	49.3037	0.4296	49.7333	13.1912	0.3993	13.5905		62,543.9713	62,543.9713	2.9865		62,618.6330
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
<b>Total</b>	<b>30.5522</b>	<b>86.7422</b>	<b>203.5570</b>	<b>0.6401</b>	<b>49.3037</b>	<b>1.1905</b>	<b>50.4941</b>	<b>13.1912</b>	<b>1.1601</b>	<b>14.3514</b>	<b>0.0000</b>	<b>66,269.4169</b>	<b>66,269.4169</b>	<b>3.3081</b>	<b>0.0366</b>	<b>66,363.0284</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>0.00</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>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail**

**Construction Phase**

## 3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Pre-Demolition Abatement	Site Preparation	2/15/2021	3/5/2021	5	15	
2	Demolition	Demolition	3/6/2021	5/6/2021	5	44	
3	Grading	Grading	5/7/2021	8/5/2021	5	65	
4	Building Construction	Building Construction	8/6/2021	6/14/2023	5	484	
5	Architectural Coating	Architectural Coating	6/15/2023	10/16/2023	5	88	
6	Paving	Paving	10/17/2023	10/30/2023	5	10	

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

**Acres of Grading (Grading Phase): 32.5**

**Acres of Paving: 0**

**Residential Indoor: 694,575; Residential Outdoor: 231,525; Non-Residential Indoor: 125,991; Non-Residential Outdoor: 41,997; Striped Parking Area: 22,872 (Architectural Coating – sqft)**

**OffRoad Equipment**

## 3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Pre-Demolition Abatement	Forklifts	1	8.00	247	0.40
Pre-Demolition Abatement	Generator Sets	2	8.00	97	0.37
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
Grading	Bore/Drill Rigs	1	6.00	221	0.50
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	2	6.00	203	0.36
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	7.00	9	0.56
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
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
Architectural Coating	Aerial Lifts	3	6.00	63	0.31
Architectural Coating	Air Compressors	3	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, 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
Pre-Demolition Abatement	3	8.00	0.00	10.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	2,008.00	14.70	6.90	11.00	LD_Mix	HDT_Mix	HHDT
Grading	11	60.00	0.00	13,750.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	150.00	112.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	87.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Pre-Demolition Abatement - 2021**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8463	8.1553	6.5843	0.0161		0.3665	0.3665		0.3527	0.3527		1,544.2422	1,544.2422	0.3035		1,551.8288
<b>Total</b>	<b>0.8463</b>	<b>8.1553</b>	<b>6.5843</b>	<b>0.0161</b>	<b>0.0000</b>	<b>0.3665</b>	<b>0.3665</b>	<b>0.0000</b>	<b>0.3527</b>	<b>0.3527</b>		<b>1,544.2422</b>	<b>1,544.2422</b>	<b>0.3035</b>		<b>1,551.8288</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**3.2 Pre-Demolition Abatement - 2021**

**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	5.5900e-003	0.1898	0.0414	6.0000e-004	0.0140	6.2000e-004	0.0146	3.8300e-003	6.0000e-004	4.4300e-003		64.7721	64.7721	4.1900e-003		64.8768
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0219	0.3014	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5923	88.5923	2.3800e-003		88.6518
<b>Total</b>	<b>0.0394</b>	<b>0.2117</b>	<b>0.3428</b>	<b>1.4900e-003</b>	<b>0.1034</b>	<b>1.2800e-003</b>	<b>0.1047</b>	<b>0.0275</b>	<b>1.2100e-003</b>	<b>0.0288</b>		<b>153.3643</b>	<b>153.3643</b>	<b>6.5700e-003</b>		<b>153.5287</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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8463	8.1553	6.5843	0.0161		0.3665	0.3665		0.3527	0.3527	0.0000	1,544.2422	1,544.2422	0.3035		1,551.8288
<b>Total</b>	<b>0.8463</b>	<b>8.1553</b>	<b>6.5843</b>	<b>0.0161</b>	<b>0.0000</b>	<b>0.3665</b>	<b>0.3665</b>	<b>0.0000</b>	<b>0.3527</b>	<b>0.3527</b>	<b>0.0000</b>	<b>1,544.2422</b>	<b>1,544.2422</b>	<b>0.3035</b>		<b>1,551.8288</b>



3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**3.2 Pre-Demolition Abatement - 2021**

**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	5.5900e-003	0.1898	0.0414	6.0000e-004	0.0140	6.2000e-004	0.0146	3.8300e-003	6.0000e-004	4.4300e-003		64.7721	64.7721	4.1900e-003		64.8768
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0219	0.3014	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5923	88.5923	2.3800e-003		88.6518
<b>Total</b>	<b>0.0394</b>	<b>0.2117</b>	<b>0.3428</b>	<b>1.4900e-003</b>	<b>0.1034</b>	<b>1.2800e-003</b>	<b>0.1047</b>	<b>0.0275</b>	<b>1.2100e-003</b>	<b>0.0288</b>		<b>153.3643</b>	<b>153.3643</b>	<b>6.5700e-003</b>		<b>153.5287</b>

**3.3 Demolition - 2021**

**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					4.1378	0.0000	4.1378	0.6265	0.0000	0.6265			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
<b>Total</b>	<b>3.1651</b>	<b>31.4407</b>	<b>21.5650</b>	<b>0.0388</b>	<b>4.1378</b>	<b>1.5513</b>	<b>5.6891</b>	<b>0.6265</b>	<b>1.4411</b>	<b>2.0676</b>		<b>3,747.9449</b>	<b>3,747.9449</b>	<b>1.0549</b>		<b>3,774.3174</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**3.3 Demolition - 2021**

**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	0.2151	8.2967	1.5618	0.0215	0.4390	0.0204	0.4594	0.1204	0.0195	0.1399		2,327.2085	2,327.2085	0.1754		2,331.5923
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0411	0.5651	1.6700e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		166.1105	166.1105	4.4700e-003		166.2222
<b>Total</b>	<b>0.2784</b>	<b>8.3378</b>	<b>2.1269</b>	<b>0.0232</b>	<b>0.6067</b>	<b>0.0216</b>	<b>0.6283</b>	<b>0.1648</b>	<b>0.0207</b>	<b>0.1855</b>		<b>2,493.3190</b>	<b>2,493.3190</b>	<b>0.1798</b>		<b>2,497.8145</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					1.6137	0.0000	1.6137	0.2443	0.0000	0.2443			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
<b>Total</b>	<b>3.1651</b>	<b>31.4407</b>	<b>21.5650</b>	<b>0.0388</b>	<b>1.6137</b>	<b>1.5513</b>	<b>3.1651</b>	<b>0.2443</b>	<b>1.4411</b>	<b>1.6854</b>	<b>0.0000</b>	<b>3,747.9449</b>	<b>3,747.9449</b>	<b>1.0549</b>		<b>3,774.3174</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**3.3 Demolition - 2021**

**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	0.2151	8.2967	1.5618	0.0215	0.4390	0.0204	0.4594	0.1204	0.0195	0.1399		2,327.2085	2,327.2085	0.1754		2,331.5923
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0633	0.0411	0.5651	1.6700e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		166.1105	166.1105	4.4700e-003		166.2222
<b>Total</b>	<b>0.2784</b>	<b>8.3378</b>	<b>2.1269</b>	<b>0.0232</b>	<b>0.6067</b>	<b>0.0216</b>	<b>0.6283</b>	<b>0.1648</b>	<b>0.0207</b>	<b>0.1855</b>		<b>2,493.3190</b>	<b>2,493.3190</b>	<b>0.1798</b>		<b>2,497.8145</b>

**3.4 Grading - 2021**

**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					6.7437	0.0000	6.7437	3.3965	0.0000	3.3965			0.0000			0.0000
Off-Road	3.4568	37.1062	26.3546	0.0564		1.6308	1.6308		1.5003	1.5003		5,464.1986	5,464.1986	1.7672		5,508.3794
<b>Total</b>	<b>3.4568</b>	<b>37.1062</b>	<b>26.3546</b>	<b>0.0564</b>	<b>6.7437</b>	<b>1.6308</b>	<b>8.3745</b>	<b>3.3965</b>	<b>1.5003</b>	<b>4.8968</b>		<b>5,464.1986</b>	<b>5,464.1986</b>	<b>1.7672</b>		<b>5,508.3794</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**3.4 Grading - 2021**

**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	1.7739	60.2098	13.1457	0.1899	4.4348	0.1976	4.6324	1.2153	0.1890	1.4043		20,552.6773	20,552.6773	1.3298		20,585.9215
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2533	0.1643	2.2604	6.6700e-003	0.6707	4.9400e-003	0.6756	0.1779	4.5500e-003	0.1824		664.4420	664.4420	0.0179		664.8887
<b>Total</b>	<b>2.0272</b>	<b>60.3740</b>	<b>15.4061</b>	<b>0.1965</b>	<b>5.1054</b>	<b>0.2025</b>	<b>5.3080</b>	<b>1.3931</b>	<b>0.1936</b>	<b>1.5867</b>		<b>21,217.1193</b>	<b>21,217.1193</b>	<b>1.3476</b>		<b>21,250.8102</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					2.6301	0.0000	2.6301	1.3246	0.0000	1.3246			0.0000			0.0000
Off-Road	3.4568	37.1062	26.3546	0.0564		1.6308	1.6308		1.5003	1.5003	0.0000	5,464.1986	5,464.1986	1.7672		5,508.3794
<b>Total</b>	<b>3.4568</b>	<b>37.1062</b>	<b>26.3546</b>	<b>0.0564</b>	<b>2.6301</b>	<b>1.6308</b>	<b>4.2608</b>	<b>1.3246</b>	<b>1.5003</b>	<b>2.8249</b>	<b>0.0000</b>	<b>5,464.1986</b>	<b>5,464.1986</b>	<b>1.7672</b>		<b>5,508.3794</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**3.4 Grading - 2021**

**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	1.7739	60.2098	13.1457	0.1899	4.4348	0.1976	4.6324	1.2153	0.1890	1.4043		20,552.6773	20,552.6773	1.3298		20,585.9215
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2533	0.1643	2.2604	6.6700e-003	0.6707	4.9400e-003	0.6756	0.1779	4.5500e-003	0.1824		664.4420	664.4420	0.0179		664.8887
<b>Total</b>	<b>2.0272</b>	<b>60.3740</b>	<b>15.4061</b>	<b>0.1965</b>	<b>5.1054</b>	<b>0.2025</b>	<b>5.3080</b>	<b>1.3931</b>	<b>0.1936</b>	<b>1.5867</b>		<b>21,217.1193</b>	<b>21,217.1193</b>	<b>1.3476</b>		<b>21,250.8102</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2410	20.0327	19.6006	0.0322		1.1010	1.1010		1.0436	1.0436		3,042.0642	3,042.0642	0.6464		3,058.2245
<b>Total</b>	<b>2.2410</b>	<b>20.0327</b>	<b>19.6006</b>	<b>0.0322</b>		<b>1.1010</b>	<b>1.1010</b>		<b>1.0436</b>	<b>1.0436</b>		<b>3,042.0642</b>	<b>3,042.0642</b>	<b>0.6464</b>		<b>3,058.2245</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**3.5 Building Construction - 2021**

**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	0.3117	10.6821	2.5349	0.0286	0.7168	0.0215	0.7383	0.2064	0.0206	0.2269		3,051.3108	3,051.3108	0.1846		3,055.9253
Worker	0.6332	0.4107	5.6509	0.0167	1.6767	0.0123	1.6890	0.4447	0.0114	0.4560		1,661.1050	1,661.1050	0.0447		1,662.2217
<b>Total</b>	<b>0.9448</b>	<b>11.0927</b>	<b>8.1857</b>	<b>0.0453</b>	<b>2.3935</b>	<b>0.0339</b>	<b>2.4273</b>	<b>0.6510</b>	<b>0.0319</b>	<b>0.6830</b>		<b>4,712.4158</b>	<b>4,712.4158</b>	<b>0.2293</b>		<b>4,718.1470</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2410	20.0327	19.6006	0.0322		1.1010	1.1010		1.0436	1.0436	0.0000	3,042.0642	3,042.0642	0.6464		3,058.2245
<b>Total</b>	<b>2.2410</b>	<b>20.0327</b>	<b>19.6006</b>	<b>0.0322</b>		<b>1.1010</b>	<b>1.1010</b>		<b>1.0436</b>	<b>1.0436</b>	<b>0.0000</b>	<b>3,042.0642</b>	<b>3,042.0642</b>	<b>0.6464</b>		<b>3,058.2245</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**3.5 Building Construction - 2021**

**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	0.3117	10.6821	2.5349	0.0286	0.7168	0.0215	0.7383	0.2064	0.0206	0.2269		3,051.3108	3,051.3108	0.1846		3,055.9253
Worker	0.6332	0.4107	5.6509	0.0167	1.6767	0.0123	1.6890	0.4447	0.0114	0.4560		1,661.1050	1,661.1050	0.0447		1,662.2217
<b>Total</b>	<b>0.9448</b>	<b>11.0927</b>	<b>8.1857</b>	<b>0.0453</b>	<b>2.3935</b>	<b>0.0339</b>	<b>2.4273</b>	<b>0.6510</b>	<b>0.0319</b>	<b>0.6830</b>		<b>4,712.4158</b>	<b>4,712.4158</b>	<b>0.2293</b>		<b>4,718.1470</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0259	18.0387	19.3818	0.0323		0.9342	0.9342		0.8863	0.8863		3,043.0338	3,043.0338	0.6408		3,059.0534
<b>Total</b>	<b>2.0259</b>	<b>18.0387</b>	<b>19.3818</b>	<b>0.0323</b>		<b>0.9342</b>	<b>0.9342</b>		<b>0.8863</b>	<b>0.8863</b>		<b>3,043.0338</b>	<b>3,043.0338</b>	<b>0.6408</b>		<b>3,059.0534</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.2923	10.1397	2.3957	0.0283	0.7168	0.0186	0.7355	0.2064	0.0178	0.2242		3,024.662 2	3,024.662 2	0.1777		3,029.104 5
Worker	0.5939	0.3710	5.2253	0.0161	1.6767	0.0120	1.6886	0.4447	0.0110	0.4557		1,601.585 9	1,601.585 9	0.0404		1,602.595 2
<b>Total</b>	<b>0.8862</b>	<b>10.5107</b>	<b>7.6210</b>	<b>0.0444</b>	<b>2.3935</b>	<b>0.0306</b>	<b>2.4241</b>	<b>0.6510</b>	<b>0.0289</b>	<b>0.6799</b>		<b>4,626.248 1</b>	<b>4,626.248 1</b>	<b>0.2181</b>		<b>4,631.699 6</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0259	18.0387	19.3818	0.0323		0.9342	0.9342		0.8863	0.8863	0.0000	3,043.033 8	3,043.033 8	0.6408		3,059.053 4
<b>Total</b>	<b>2.0259</b>	<b>18.0387</b>	<b>19.3818</b>	<b>0.0323</b>		<b>0.9342</b>	<b>0.9342</b>		<b>0.8863</b>	<b>0.8863</b>	<b>0.0000</b>	<b>3,043.033 8</b>	<b>3,043.033 8</b>	<b>0.6408</b>		<b>3,059.053 4</b>



3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.2923	10.1397	2.3957	0.0283	0.7168	0.0186	0.7355	0.2064	0.0178	0.2242		3,024.662 2	3,024.662 2	0.1777		3,029.104 5
Worker	0.5939	0.3710	5.2253	0.0161	1.6767	0.0120	1.6886	0.4447	0.0110	0.4557		1,601.585 9	1,601.585 9	0.0404		1,602.595 2
<b>Total</b>	<b>0.8862</b>	<b>10.5107</b>	<b>7.6210</b>	<b>0.0444</b>	<b>2.3935</b>	<b>0.0306</b>	<b>2.4241</b>	<b>0.6510</b>	<b>0.0289</b>	<b>0.6799</b>		<b>4,626.248 1</b>	<b>4,626.248 1</b>	<b>0.2181</b>		<b>4,631.699 6</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	1.8745	16.6452	19.2568	0.0323		0.8085	0.8085		0.7672	0.7672		3,043.911 0	3,043.911 0	0.6343		3,059.769 3
<b>Total</b>	<b>1.8745</b>	<b>16.6452</b>	<b>19.2568</b>	<b>0.0323</b>		<b>0.8085</b>	<b>0.8085</b>		<b>0.7672</b>	<b>0.7672</b>		<b>3,043.911 0</b>	<b>3,043.911 0</b>	<b>0.6343</b>		<b>3,059.769 3</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, 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	0.2180	7.6657	2.1584	0.0274	0.7168	8.6200e-003	0.7254	0.2064	8.2400e-003	0.2146		2,932.9184	2,932.9184	0.1549		2,936.7920
Worker	0.5584	0.3357	4.8254	0.0155	1.6767	0.0117	1.6883	0.4447	0.0108	0.4554		1,541.8953	1,541.8953	0.0364		1,542.8055
<b>Total</b>	<b>0.7765</b>	<b>8.0013</b>	<b>6.9839</b>	<b>0.0429</b>	<b>2.3935</b>	<b>0.0203</b>	<b>2.4138</b>	<b>0.6510</b>	<b>0.0190</b>	<b>0.6700</b>		<b>4,474.8137</b>	<b>4,474.8137</b>	<b>0.1914</b>		<b>4,479.5975</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	1.8745	16.6452	19.2568	0.0323		0.8085	0.8085		0.7672	0.7672	0.0000	3,043.9110	3,043.9110	0.6343		3,059.7693
<b>Total</b>	<b>1.8745</b>	<b>16.6452</b>	<b>19.2568</b>	<b>0.0323</b>		<b>0.8085</b>	<b>0.8085</b>		<b>0.7672</b>	<b>0.7672</b>	<b>0.0000</b>	<b>3,043.9110</b>	<b>3,043.9110</b>	<b>0.6343</b>		<b>3,059.7693</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, 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	0.2180	7.6657	2.1584	0.0274	0.7168	8.6200e-003	0.7254	0.2064	8.2400e-003	0.2146		2,932.9184	2,932.9184	0.1549		2,936.7920
Worker	0.5584	0.3357	4.8254	0.0155	1.6767	0.0117	1.6883	0.4447	0.0108	0.4554		1,541.8953	1,541.8953	0.0364		1,542.8055
<b>Total</b>	<b>0.7765</b>	<b>8.0013</b>	<b>6.9839</b>	<b>0.0429</b>	<b>2.3935</b>	<b>0.0203</b>	<b>2.4138</b>	<b>0.6510</b>	<b>0.0190</b>	<b>0.6700</b>		<b>4,474.8137</b>	<b>4,474.8137</b>	<b>0.1914</b>		<b>4,479.5975</b>

**3.6 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.4417					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6529	5.1088	7.8904	0.0127		0.2332	0.2332		0.2315	0.2315		1,210.2388	1,210.2388	0.1689		1,214.4601
<b>Total</b>	<b>35.0946</b>	<b>5.1088</b>	<b>7.8904</b>	<b>0.0127</b>		<b>0.2332</b>	<b>0.2332</b>		<b>0.2315</b>	<b>0.2315</b>		<b>1,210.2388</b>	<b>1,210.2388</b>	<b>0.1689</b>		<b>1,214.4601</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**3.6 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.3239	0.1947	2.7988	8.9700e-003	0.9725	6.7700e-003	0.9792	0.2579	6.2400e-003	0.2641		894.2993	894.2993	0.0211		894.8272
<b>Total</b>	<b>0.3239</b>	<b>0.1947</b>	<b>2.7988</b>	<b>8.9700e-003</b>	<b>0.9725</b>	<b>6.7700e-003</b>	<b>0.9792</b>	<b>0.2579</b>	<b>6.2400e-003</b>	<b>0.2641</b>		<b>894.2993</b>	<b>894.2993</b>	<b>0.0211</b>		<b>894.8272</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	34.4417					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6529	5.1088	7.8904	0.0127		0.2332	0.2332		0.2315	0.2315	0.0000	1,210.2388	1,210.2388	0.1689		1,214.4601
<b>Total</b>	<b>35.0946</b>	<b>5.1088</b>	<b>7.8904</b>	<b>0.0127</b>		<b>0.2332</b>	<b>0.2332</b>		<b>0.2315</b>	<b>0.2315</b>	<b>0.0000</b>	<b>1,210.2388</b>	<b>1,210.2388</b>	<b>0.1689</b>		<b>1,214.4601</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**3.6 Architectural Coating - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.3239	0.1947	2.7988	8.9700e-003	0.9725	6.7700e-003	0.9792	0.2579	6.2400e-003	0.2641		894.2993	894.2993	0.0211		894.8272
<b>Total</b>	<b>0.3239</b>	<b>0.1947</b>	<b>2.7988</b>	<b>8.9700e-003</b>	<b>0.9725</b>	<b>6.7700e-003</b>	<b>0.9792</b>	<b>0.2579</b>	<b>6.2400e-003</b>	<b>0.2641</b>		<b>894.2993</b>	<b>894.2993</b>	<b>0.0211</b>		<b>894.8272</b>

**3.7 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9181</b>	<b>8.7903</b>	<b>12.1905</b>	<b>0.0189</b>		<b>0.4357</b>	<b>0.4357</b>		<b>0.4025</b>	<b>0.4025</b>		<b>1,805.4304</b>	<b>1,805.4304</b>	<b>0.5673</b>		<b>1,819.6122</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**3.7 Paving - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0745	0.0448	0.6434	2.0600e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		205.5860	205.5860	4.8500e-003		205.7074
<b>Total</b>	<b>0.0745</b>	<b>0.0448</b>	<b>0.6434</b>	<b>2.0600e-003</b>	<b>0.2236</b>	<b>1.5600e-003</b>	<b>0.2251</b>	<b>0.0593</b>	<b>1.4300e-003</b>	<b>0.0607</b>		<b>205.5860</b>	<b>205.5860</b>	<b>4.8500e-003</b>		<b>205.7074</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	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9181</b>	<b>8.7903</b>	<b>12.1905</b>	<b>0.0189</b>		<b>0.4357</b>	<b>0.4357</b>		<b>0.4025</b>	<b>0.4025</b>	<b>0.0000</b>	<b>1,805.4304</b>	<b>1,805.4304</b>	<b>0.5673</b>		<b>1,819.6122</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**3.7 Paving - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0745	0.0448	0.6434	2.0600e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		205.5860	205.5860	4.8500e-003		205.7074
<b>Total</b>	<b>0.0745</b>	<b>0.0448</b>	<b>0.6434</b>	<b>2.0600e-003</b>	<b>0.2236</b>	<b>1.5600e-003</b>	<b>0.2251</b>	<b>0.0593</b>	<b>1.4300e-003</b>	<b>0.0607</b>		<b>205.5860</b>	<b>205.5860</b>	<b>4.8500e-003</b>		<b>205.7074</b>

**4.0 Operational Detail - Mobile**

---

**4.1 Mitigation Measures Mobile**

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	16.8279	70.1338	166.7264	0.6129	49.3037	0.4296	49.7333	13.1912	0.3993	13.5905		62,543.97 13	62,543.97 13	2.9865		62,618.63 30
Unmitigated	16.8279	70.1338	166.7264	0.6129	49.3037	0.4296	49.7333	13.1912	0.3993	13.5905		62,543.97 13	62,543.97 13	2.9865		62,618.63 30

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Supermarket	0.00	0.00	0.00		
User Defined Commercial	6,571.00	9,479.00	8705.00	17,728,907	17,728,907
User Defined Parking	2,384.00	3,806.00	3486.00	99,902	99,902
<b>Total</b>	<b>8,955.00</b>	<b>13,285.00</b>	<b>12,191.00</b>	<b>17,828,809</b>	<b>17,828,809</b>

4.3 Trip Type Information



3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

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
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Supermarket	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Commercial	0.00	6.68	0.00	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Enclosed Parking with Elevator	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
High Turnover (Sit Down Restaurant)	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Regional Shopping Center	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Supermarket	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Commercial	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Parking	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, 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					
NaturalGas Mitigated	0.1831	1.6150	1.0374	9.9900e-003		0.1265	0.1265		0.1265	0.1265		1,997.0097	1,997.0097	0.0383	0.0366	2,008.8769
NaturalGas Unmitigated	0.1831	1.6150	1.0374	9.9900e-003		0.1265	0.1265		0.1265	0.1265		1,997.0097	1,997.0097	0.0383	0.0366	2,008.8769

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, 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					
Apartments Mid Rise	8358.38	0.0901	0.7703	0.3278	4.9200e-003		0.0623	0.0623		0.0623	0.0623		983.3383	983.3383	0.0189	0.0180	989.1818
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	4741.64	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Regional Shopping Center	60.2621	6.5000e-004	5.9100e-003	4.9600e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0897	7.0897	1.4000e-004	1.3000e-004	7.1318
Supermarket	3814.3	0.0411	0.3740	0.3141	2.2400e-003		0.0284	0.0284		0.0284	0.0284		448.7413	448.7413	8.6000e-003	8.2300e-003	451.4079
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.1831</b>	<b>1.6150</b>	<b>1.0374</b>	<b>9.9900e-003</b>		<b>0.1265</b>	<b>0.1265</b>		<b>0.1265</b>	<b>0.1265</b>		<b>1,997.0097</b>	<b>1,997.0097</b>	<b>0.0383</b>	<b>0.0366</b>	<b>2,008.8769</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8.35838	0.0901	0.7703	0.3278	4.9200e-003		0.0623	0.0623		0.0623	0.0623		983.3383	983.3383	0.0189	0.0180	989.1818
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	4.74164	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Regional Shopping Center	0.0602621	6.5000e-004	5.9100e-003	4.9600e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0897	7.0897	1.4000e-004	1.3000e-004	7.1318
Supermarket	3.8143	0.0411	0.3740	0.3141	2.2400e-003		0.0284	0.0284		0.0284	0.0284		448.7413	448.7413	8.6000e-003	8.2300e-003	451.4079
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.1831</b>	<b>1.6150</b>	<b>1.0374</b>	<b>9.9900e-003</b>		<b>0.1265</b>	<b>0.1265</b>		<b>0.1265</b>	<b>0.1265</b>		<b>1,997.0097</b>	<b>1,997.0097</b>	<b>0.0383</b>	<b>0.0366</b>	<b>2,008.8769</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, 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	10.2591	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4076	49.4076	0.0479	0.0000	50.6052
Unmitigated	10.2591	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4076	49.4076	0.0479	0.0000	50.6052

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	0.8304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5956					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8331	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516		49.4076	49.4076	0.0479		50.6052
<b>Total</b>	<b>10.2591</b>	<b>0.3159</b>	<b>27.4245</b>	<b>1.4500e-003</b>		<b>0.1516</b>	<b>0.1516</b>		<b>0.1516</b>	<b>0.1516</b>	<b>0.0000</b>	<b>49.4076</b>	<b>49.4076</b>	<b>0.0479</b>	<b>0.0000</b>	<b>50.6052</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, 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	0.8304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5956					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8331	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516		49.4076	49.4076	0.0479		50.6052
<b>Total</b>	<b>10.2591</b>	<b>0.3159</b>	<b>27.4245</b>	<b>1.4500e-003</b>		<b>0.1516</b>	<b>0.1516</b>		<b>0.1516</b>	<b>0.1516</b>	<b>0.0000</b>	<b>49.4076</b>	<b>49.4076</b>	<b>0.0479</b>	<b>0.0000</b>	<b>50.6052</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Summer

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	12	1000	0.73	Diesel

**Boilers**

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

**User Defined Equipment**

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

**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.028 2	1,679.028 2	0.2354		1,684.913 2
<b>Total</b>	<b>3.2821</b>	<b>14.6775</b>	<b>8.3688</b>	<b>0.0158</b>		<b>0.4828</b>	<b>0.4828</b>		<b>0.4828</b>	<b>0.4828</b>		<b>1,679.028 2</b>	<b>1,679.028 2</b>	<b>0.2354</b>		<b>1,684.913 2</b>

**11.0 Vegetation**

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**3rd and Fairfax Mixed-Use Project**  
**South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	996.00	Space	0.00	398,400.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	7.50	1000sqft	0.00	7,500.00	0
Apartments Mid Rise	331.00	Dwelling Unit	3.15	343,000.00	801
Regional Shopping Center	13.41	1000sqft	0.00	13,412.00	0
Supermarket	63.08	1000sqft	0.00	63,082.00	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>	11			<b>Operational Year</b>	2023
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	1227.89	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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



3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

Project Characteristics -

Land Use - Project data per site plan dated January 2019 with updated parking plan dated February 2020 (996 spaces). Population estimate is based on 2.42 persons per household per City Planning demographic data.

Construction Phase - Construction schedule assumes an approximate 32 month timeline.

Off-road Equipment - Construction equipment per applicant data.

Off-road Equipment - Equipment per Applicant data.

Off-road Equipment -

Off-road Equipment - Construction equipment per Applicant data

Off-road Equipment -

Off-road Equipment - Construction equipment per Applicant data.

Trips and VMT - Demo debris export trips assume 130 loads (260 trips) for asphalt concrete debris (1,300 cy/10 cy hauling capacity) and 874 loads (1,748 trips) for demolition debris (151,048 sf = 377,620 ft<sup>3</sup> of building volume = 13,986 cy/16 cy hauling capacity).

Demolition - Demolition phase includes 151,048 sf of building demolition debris (x0.046 = 6,948 tons) and 1,300 cy of asphalt debris (x2,400 lbs/cy = 1560 tons)

Grading - Pre-demolition abatement assumes 50 cy of debris export. Grading phase includes 110,000 cy of soil export.

Vehicle Trips - Mobile source emissions based on LADOT VMT Calculator - see attached assumptions and data input modifications sheet.

Woodstoves - No fireplaces are proposed.

Land Use Change -

Sequestration - Sequestration includes 83 new trees per landscape plan.

Construction Off-road Equipment Mitigation - Mitigation assumes compliance with AQMD Rule 403 (dust suppression) with a watering frequency of 3x a day (=61% reduction in fugitive dust).

Area Mitigation - Application of low-VOC architectural coatings per LA Green Building Code.

Energy Mitigation - Energy Star Rated appliances required per LA Green Building Code.

Water Mitigation - Water conservation measures are mandatory per compliance with the LA Green Building Code.

Waste Mitigation - Solid waste recycling program is mandatory under the LA Green Building Code.

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	23,904.00	22,872.00

## 3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

tblAreaCoating	Area_Parking	23904	22872
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	18.00	88.00
tblConstructionPhase	NumDays	230.00	484.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	8.00	65.00
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	5.00	15.00
tblFireplaces	NumberGas	281.35	0.00
tblFireplaces	NumberNoFireplace	33.10	331.00
tblFireplaces	NumberWood	16.55	0.00
tblGrading	MaterialExported	0.00	110,000.00
tblLandUse	LandUseSquareFeet	331,000.00	343,000.00
tblLandUse	LandUseSquareFeet	13,410.00	13,412.00
tblLandUse	LandUseSquareFeet	63,080.00	63,082.00
tblLandUse	LotAcreage	8.96	0.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	8.71	3.15
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	LotAcreage	1.45	0.00
tblLandUse	Population	947.00	801.00
tblOffRoadEquipment	HorsePower	89.00	247.00
tblOffRoadEquipment	HorsePower	84.00	97.00
tblOffRoadEquipment	LoadFactor	0.20	0.40
tblOffRoadEquipment	LoadFactor	0.74	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00

## 3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

tblSequestration	NumberOfNewTrees	0.00	83.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	11.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	841.00	2,008.00
tblTripsAndVMT	VendorTripNumber	114.00	112.00
tblTripsAndVMT	WorkerTripNumber	28.00	60.00
tblTripsAndVMT	WorkerTripNumber	433.00	150.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	6.68
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	72.50	0.00
tblVehicleTrips	CC_TTP	64.70	0.00
tblVehicleTrips	CC_TTP	74.50	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00

## 3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	CW_TTP	6.50	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	36.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	PR_TP	37.00	0.00

## 3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

tblVehicleTrips	PR_TP	54.00	0.00
tblVehicleTrips	PR_TP	34.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	177.59	0.00
tblVehicleTrips	ST_TR	0.00	9,479.00
tblVehicleTrips	ST_TR	0.00	3,806.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	166.44	0.00
tblVehicleTrips	SU_TR	0.00	8,705.00
tblVehicleTrips	SU_TR	0.00	3,486.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	102.24	0.00
tblVehicleTrips	WD_TR	0.00	6,571.00
tblVehicleTrips	WD_TR	0.00	2,384.00
tblWoodstoves	NumberCatalytic	16.55	0.00
tblWoodstoves	NumberNoncatalytic	16.55	0.00

## 2.0 Emissions Summary

---

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**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					
2021	5.5512	98.4143	42.3529	0.2495	11.8492	1.8358	13.6850	4.7896	1.6963	6.4859	0.0000	26,313.6869	26,313.6869	3.1630	0.0000	26,392.7627
2022	2.9843	28.5438	26.7512	0.0748	2.3935	0.9654	3.3589	0.6510	0.9158	1.5668	0.0000	7,477.4139	7,477.4139	0.8691	0.0000	7,499.1412
2023	35.4505	24.6289	25.9486	0.0734	2.3935	0.8292	3.2226	0.6510	0.7865	1.4376	0.0000	7,334.7062	7,334.7062	0.8333	0.0000	7,355.5393
<b>Maximum</b>	<b>35.4505</b>	<b>98.4143</b>	<b>42.3529</b>	<b>0.2495</b>	<b>11.8492</b>	<b>1.8358</b>	<b>13.6850</b>	<b>4.7896</b>	<b>1.6963</b>	<b>6.4859</b>	<b>0.0000</b>	<b>26,313.6869</b>	<b>26,313.6869</b>	<b>3.1630</b>	<b>0.0000</b>	<b>26,392.7627</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.5512	98.4143	42.3529	0.2495	7.7355	1.8358	9.5713	2.7178	1.6963	4.4141	0.0000	26,313.6869	26,313.6869	3.1630	0.0000	26,392.7627
2022	2.9843	28.5438	26.7512	0.0748	2.3935	0.9654	3.3589	0.6510	0.9158	1.5668	0.0000	7,477.4139	7,477.4139	0.8691	0.0000	7,499.1412
2023	35.4505	24.6289	25.9486	0.0734	2.3935	0.8292	3.2226	0.6510	0.7865	1.4376	0.0000	7,334.7062	7,334.7062	0.8333	0.0000	7,355.5393
<b>Maximum</b>	<b>35.4505</b>	<b>98.4143</b>	<b>42.3529</b>	<b>0.2495</b>	<b>7.7355</b>	<b>1.8358</b>	<b>9.5713</b>	<b>2.7178</b>	<b>1.6963</b>	<b>4.4141</b>	<b>0.0000</b>	<b>26,313.6869</b>	<b>26,313.6869</b>	<b>3.1630</b>	<b>0.0000</b>	<b>26,392.7627</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, 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	24.73	0.00	20.30	34.01	0.00	21.83	0.00	0.00	0.00	0.00	0.00	0.00

**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	10.2591	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4076	49.4076	0.0479	0.0000	50.6052
Energy	0.1831	1.6150	1.0374	9.9900e-003		0.1265	0.1265		0.1265	0.1265		1,997.0097	1,997.0097	0.0383	0.0366	2,008.8769
Mobile	15.8407	70.6334	160.4402	0.5790	49.3037	0.4331	49.7368	13.1912	0.4026	13.5939		59,100.9662	59,100.9662	3.0322		59,176.7708
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
<b>Total</b>	<b>29.5650</b>	<b>87.2417</b>	<b>197.2707</b>	<b>0.6062</b>	<b>49.3037</b>	<b>1.1940</b>	<b>50.4977</b>	<b>13.1912</b>	<b>1.1635</b>	<b>14.3547</b>	<b>0.0000</b>	<b>62,826.4118</b>	<b>62,826.4118</b>	<b>3.3538</b>	<b>0.0366</b>	<b>62,921.1661</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**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	lb/day										lb/day					
Area	10.2591	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4076	49.4076	0.0479	0.0000	50.6052
Energy	0.1831	1.6150	1.0374	9.9900e-003		0.1265	0.1265		0.1265	0.1265		1,997.0097	1,997.0097	0.0383	0.0366	2,008.8769
Mobile	15.8407	70.6334	160.4402	0.5790	49.3037	0.4331	49.7368	13.1912	0.4026	13.5939		59,100.9662	59,100.9662	3.0322		59,176.7708
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
<b>Total</b>	<b>29.5650</b>	<b>87.2417</b>	<b>197.2707</b>	<b>0.6062</b>	<b>49.3037</b>	<b>1.1940</b>	<b>50.4977</b>	<b>13.1912</b>	<b>1.1635</b>	<b>14.3547</b>	<b>0.0000</b>	<b>62,826.4118</b>	<b>62,826.4118</b>	<b>3.3538</b>	<b>0.0366</b>	<b>62,921.1661</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**



3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Pre-Demolition Abatement	Site Preparation	2/15/2021	3/5/2021	5	15	
2	Demolition	Demolition	3/6/2021	5/6/2021	5	44	
3	Grading	Grading	5/7/2021	8/5/2021	5	65	
4	Building Construction	Building Construction	8/6/2021	6/14/2023	5	484	
5	Architectural Coating	Architectural Coating	6/15/2023	10/16/2023	5	88	
6	Paving	Paving	10/17/2023	10/30/2023	5	10	

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

**Acres of Grading (Grading Phase): 32.5**

**Acres of Paving: 0**

**Residential Indoor: 694,575; Residential Outdoor: 231,525; Non-Residential Indoor: 125,991; Non-Residential Outdoor: 41,997; Striped Parking Area: 22,872 (Architectural Coating – sqft)**

**OffRoad Equipment**

## 3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Pre-Demolition Abatement	Forklifts	1	8.00	247	0.40
Pre-Demolition Abatement	Generator Sets	2	8.00	97	0.37
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
Grading	Bore/Drill Rigs	1	6.00	221	0.50
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	2	6.00	203	0.36
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	7.00	9	0.56
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
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
Architectural Coating	Aerial Lifts	3	6.00	63	0.31
Architectural Coating	Air Compressors	3	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, 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
Pre-Demolition Abatement	3	8.00	0.00	10.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	2,008.00	14.70	6.90	11.00	LD_Mix	HDT_Mix	HHDT
Grading	11	60.00	0.00	13,750.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	150.00	112.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	87.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Pre-Demolition Abatement - 2021**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8463	8.1553	6.5843	0.0161		0.3665	0.3665		0.3527	0.3527		1,544.2422	1,544.2422	0.3035		1,551.8288
<b>Total</b>	<b>0.8463</b>	<b>8.1553</b>	<b>6.5843</b>	<b>0.0161</b>	<b>0.0000</b>	<b>0.3665</b>	<b>0.3665</b>	<b>0.0000</b>	<b>0.3527</b>	<b>0.3527</b>		<b>1,544.2422</b>	<b>1,544.2422</b>	<b>0.3035</b>		<b>1,551.8288</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**3.2 Pre-Demolition Abatement - 2021**

**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	5.7300e-003	0.1927	0.0440	5.9000e-004	0.0140	6.3000e-004	0.0146	3.8300e-003	6.0000e-004	4.4300e-003		63.7491	63.7491	4.3500e-003		63.8578
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0369	0.0240	0.2708	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		82.8534	82.8534	2.2200e-003		82.9089
<b>Total</b>	<b>0.0426</b>	<b>0.2166</b>	<b>0.3149</b>	<b>1.4200e-003</b>	<b>0.1034</b>	<b>1.2900e-003</b>	<b>0.1047</b>	<b>0.0275</b>	<b>1.2100e-003</b>	<b>0.0288</b>		<b>146.6026</b>	<b>146.6026</b>	<b>6.5700e-003</b>		<b>146.7667</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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8463	8.1553	6.5843	0.0161		0.3665	0.3665		0.3527	0.3527	0.0000	1,544.2422	1,544.2422	0.3035		1,551.8288
<b>Total</b>	<b>0.8463</b>	<b>8.1553</b>	<b>6.5843</b>	<b>0.0161</b>	<b>0.0000</b>	<b>0.3665</b>	<b>0.3665</b>	<b>0.0000</b>	<b>0.3527</b>	<b>0.3527</b>	<b>0.0000</b>	<b>1,544.2422</b>	<b>1,544.2422</b>	<b>0.3035</b>		<b>1,551.8288</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**3.2 Pre-Demolition Abatement - 2021**

**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	5.7300e-003	0.1927	0.0440	5.9000e-004	0.0140	6.3000e-004	0.0146	3.8300e-003	6.0000e-004	4.4300e-003		63.7491	63.7491	4.3500e-003		63.8578
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0369	0.0240	0.2708	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		82.8534	82.8534	2.2200e-003		82.9089
<b>Total</b>	<b>0.0426</b>	<b>0.2166</b>	<b>0.3149</b>	<b>1.4200e-003</b>	<b>0.1034</b>	<b>1.2900e-003</b>	<b>0.1047</b>	<b>0.0275</b>	<b>1.2100e-003</b>	<b>0.0288</b>		<b>146.6026</b>	<b>146.6026</b>	<b>6.5700e-003</b>		<b>146.7667</b>

**3.3 Demolition - 2021**

**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					4.1378	0.0000	4.1378	0.6265	0.0000	0.6265			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
<b>Total</b>	<b>3.1651</b>	<b>31.4407</b>	<b>21.5650</b>	<b>0.0388</b>	<b>4.1378</b>	<b>1.5513</b>	<b>5.6891</b>	<b>0.6265</b>	<b>1.4411</b>	<b>2.0676</b>		<b>3,747.9449</b>	<b>3,747.9449</b>	<b>1.0549</b>		<b>3,774.3174</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**3.3 Demolition - 2021**

**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	0.2246	8.2971	1.7471	0.0209	0.4390	0.0209	0.4600	0.1204	0.0200	0.1404		2,257.1830	2,257.1830	0.1861		2,261.8342
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0450	0.5078	1.5600e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		155.3502	155.3502	4.1600e-003		155.4543
<b>Total</b>	<b>0.2938</b>	<b>8.3420</b>	<b>2.2549</b>	<b>0.0224</b>	<b>0.6067</b>	<b>0.0222</b>	<b>0.6289</b>	<b>0.1648</b>	<b>0.0212</b>	<b>0.1860</b>		<b>2,412.5331</b>	<b>2,412.5331</b>	<b>0.1902</b>		<b>2,417.2885</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					1.6137	0.0000	1.6137	0.2443	0.0000	0.2443			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
<b>Total</b>	<b>3.1651</b>	<b>31.4407</b>	<b>21.5650</b>	<b>0.0388</b>	<b>1.6137</b>	<b>1.5513</b>	<b>3.1651</b>	<b>0.2443</b>	<b>1.4411</b>	<b>1.6854</b>	<b>0.0000</b>	<b>3,747.9449</b>	<b>3,747.9449</b>	<b>1.0549</b>		<b>3,774.3174</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**3.3 Demolition - 2021**

**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	0.2246	8.2971	1.7471	0.0209	0.4390	0.0209	0.4600	0.1204	0.0200	0.1404		2,257.1830	2,257.1830	0.1861		2,261.8342
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0450	0.5078	1.5600e-003	0.1677	1.2300e-003	0.1689	0.0445	1.1400e-003	0.0456		155.3502	155.3502	4.1600e-003		155.4543
<b>Total</b>	<b>0.2938</b>	<b>8.3420</b>	<b>2.2549</b>	<b>0.0224</b>	<b>0.6067</b>	<b>0.0222</b>	<b>0.6289</b>	<b>0.1648</b>	<b>0.0212</b>	<b>0.1860</b>		<b>2,412.5331</b>	<b>2,412.5331</b>	<b>0.1902</b>		<b>2,417.2885</b>

**3.4 Grading - 2021**

**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					6.7437	0.0000	6.7437	3.3965	0.0000	3.3965			0.0000			0.0000
Off-Road	3.4568	37.1062	26.3546	0.0564		1.6308	1.6308		1.5003	1.5003		5,464.1986	5,464.1986	1.7672		5,508.3794
<b>Total</b>	<b>3.4568</b>	<b>37.1062</b>	<b>26.3546</b>	<b>0.0564</b>	<b>6.7437</b>	<b>1.6308</b>	<b>8.3745</b>	<b>3.3965</b>	<b>1.5003</b>	<b>4.8968</b>		<b>5,464.1986</b>	<b>5,464.1986</b>	<b>1.7672</b>		<b>5,508.3794</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**3.4 Grading - 2021**

**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	1.8176	61.1282	13.9670	0.1869	4.4348	0.2001	4.6349	1.2153	0.1915	1.4067		20,228.0876	20,228.0876	1.3792		20,262.5662
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2767	0.1798	2.0312	6.2400e-003	0.6707	4.9400e-003	0.6756	0.1779	4.5500e-003	0.1824		621.4007	621.4007	0.0167		621.8171
<b>Total</b>	<b>2.0943</b>	<b>61.3081</b>	<b>15.9983</b>	<b>0.1931</b>	<b>5.1054</b>	<b>0.2051</b>	<b>5.3105</b>	<b>1.3931</b>	<b>0.1960</b>	<b>1.5891</b>		<b>20,849.4883</b>	<b>20,849.4883</b>	<b>1.3958</b>		<b>20,884.3833</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					2.6301	0.0000	2.6301	1.3246	0.0000	1.3246			0.0000			0.0000
Off-Road	3.4568	37.1062	26.3546	0.0564		1.6308	1.6308		1.5003	1.5003	0.0000	5,464.1986	5,464.1986	1.7672		5,508.3794
<b>Total</b>	<b>3.4568</b>	<b>37.1062</b>	<b>26.3546</b>	<b>0.0564</b>	<b>2.6301</b>	<b>1.6308</b>	<b>4.2608</b>	<b>1.3246</b>	<b>1.5003</b>	<b>2.8249</b>	<b>0.0000</b>	<b>5,464.1986</b>	<b>5,464.1986</b>	<b>1.7672</b>		<b>5,508.3794</b>



3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**3.4 Grading - 2021**

**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	1.8176	61.1282	13.9670	0.1869	4.4348	0.2001	4.6349	1.2153	0.1915	1.4067		20,228.0876	20,228.0876	1.3792		20,262.5662
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2767	0.1798	2.0312	6.2400e-003	0.6707	4.9400e-003	0.6756	0.1779	4.5500e-003	0.1824		621.4007	621.4007	0.0167		621.8171
<b>Total</b>	<b>2.0943</b>	<b>61.3081</b>	<b>15.9983</b>	<b>0.1931</b>	<b>5.1054</b>	<b>0.2051</b>	<b>5.3105</b>	<b>1.3931</b>	<b>0.1960</b>	<b>1.5891</b>		<b>20,849.4883</b>	<b>20,849.4883</b>	<b>1.3958</b>		<b>20,884.3833</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2410	20.0327	19.6006	0.0322		1.1010	1.1010		1.0436	1.0436		3,042.0642	3,042.0642	0.6464		3,058.2245
<b>Total</b>	<b>2.2410</b>	<b>20.0327</b>	<b>19.6006</b>	<b>0.0322</b>		<b>1.1010</b>	<b>1.1010</b>		<b>1.0436</b>	<b>1.0436</b>		<b>3,042.0642</b>	<b>3,042.0642</b>	<b>0.6464</b>		<b>3,058.2245</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**3.5 Building Construction - 2021**

**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	0.3281	10.6482	2.8366	0.0278	0.7168	0.0222	0.7390	0.2064	0.0212	0.2276		2,962.962 2	2,962.962 2	0.1983		2,967.918 3
Worker	0.6918	0.4495	5.0781	0.0156	1.6767	0.0123	1.6890	0.4447	0.0114	0.4560		1,553.501 8	1,553.501 8	0.0416		1,554.542 7
<b>Total</b>	<b>1.0198</b>	<b>11.0977</b>	<b>7.9147</b>	<b>0.0434</b>	<b>2.3935</b>	<b>0.0345</b>	<b>2.4280</b>	<b>0.6510</b>	<b>0.0326</b>	<b>0.6836</b>		<b>4,516.464 0</b>	<b>4,516.464 0</b>	<b>0.2399</b>		<b>4,522.461 0</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2410	20.0327	19.6006	0.0322		1.1010	1.1010		1.0436	1.0436	0.0000	3,042.064 2	3,042.064 2	0.6464		3,058.224 5
<b>Total</b>	<b>2.2410</b>	<b>20.0327</b>	<b>19.6006</b>	<b>0.0322</b>		<b>1.1010</b>	<b>1.1010</b>		<b>1.0436</b>	<b>1.0436</b>	<b>0.0000</b>	<b>3,042.064 2</b>	<b>3,042.064 2</b>	<b>0.6464</b>		<b>3,058.224 5</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**3.5 Building Construction - 2021**

**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	0.3281	10.6482	2.8366	0.0278	0.7168	0.0222	0.7390	0.2064	0.0212	0.2276		2,962.962 2	2,962.962 2	0.1983		2,967.918 3
Worker	0.6918	0.4495	5.0781	0.0156	1.6767	0.0123	1.6890	0.4447	0.0114	0.4560		1,553.501 8	1,553.501 8	0.0416		1,554.542 7
<b>Total</b>	<b>1.0198</b>	<b>11.0977</b>	<b>7.9147</b>	<b>0.0434</b>	<b>2.3935</b>	<b>0.0345</b>	<b>2.4280</b>	<b>0.6510</b>	<b>0.0326</b>	<b>0.6836</b>		<b>4,516.464 0</b>	<b>4,516.464 0</b>	<b>0.2399</b>		<b>4,522.461 0</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0259	18.0387	19.3818	0.0323		0.9342	0.9342		0.8863	0.8863		3,043.033 8	3,043.033 8	0.6408		3,059.053 4
<b>Total</b>	<b>2.0259</b>	<b>18.0387</b>	<b>19.3818</b>	<b>0.0323</b>		<b>0.9342</b>	<b>0.9342</b>		<b>0.8863</b>	<b>0.8863</b>		<b>3,043.033 8</b>	<b>3,043.033 8</b>	<b>0.6408</b>		<b>3,059.053 4</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.3078	10.0992	2.6823	0.0275	0.7168	0.0193	0.7361	0.2064	0.0184	0.2248		2,936.5753	2,936.5753	0.1907		2,941.3432
Worker	0.6506	0.4060	4.6871	0.0150	1.6767	0.0120	1.6886	0.4447	0.0110	0.4557		1,497.8048	1,497.8048	0.0376		1,498.7447
<b>Total</b>	<b>0.9584</b>	<b>10.5052</b>	<b>7.3694</b>	<b>0.0425</b>	<b>2.3935</b>	<b>0.0312</b>	<b>2.4247</b>	<b>0.6510</b>	<b>0.0295</b>	<b>0.6805</b>		<b>4,434.3801</b>	<b>4,434.3801</b>	<b>0.2283</b>		<b>4,440.0879</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0259	18.0387	19.3818	0.0323		0.9342	0.9342		0.8863	0.8863	0.0000	3,043.0338	3,043.0338	0.6408		3,059.0534
<b>Total</b>	<b>2.0259</b>	<b>18.0387</b>	<b>19.3818</b>	<b>0.0323</b>		<b>0.9342</b>	<b>0.9342</b>		<b>0.8863</b>	<b>0.8863</b>	<b>0.0000</b>	<b>3,043.0338</b>	<b>3,043.0338</b>	<b>0.6408</b>		<b>3,059.0534</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.3078	10.0992	2.6823	0.0275	0.7168	0.0193	0.7361	0.2064	0.0184	0.2248		2,936.5753	2,936.5753	0.1907		2,941.3432
Worker	0.6506	0.4060	4.6871	0.0150	1.6767	0.0120	1.6886	0.4447	0.0110	0.4557		1,497.8048	1,497.8048	0.0376		1,498.7447
<b>Total</b>	<b>0.9584</b>	<b>10.5052</b>	<b>7.3694</b>	<b>0.0425</b>	<b>2.3935</b>	<b>0.0312</b>	<b>2.4247</b>	<b>0.6510</b>	<b>0.0295</b>	<b>0.6805</b>		<b>4,434.3801</b>	<b>4,434.3801</b>	<b>0.2283</b>		<b>4,440.0879</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	1.8745	16.6452	19.2568	0.0323		0.8085	0.8085		0.7672	0.7672		3,043.9110	3,043.9110	0.6343		3,059.7693
<b>Total</b>	<b>1.8745</b>	<b>16.6452</b>	<b>19.2568</b>	<b>0.0323</b>		<b>0.8085</b>	<b>0.8085</b>		<b>0.7672</b>	<b>0.7672</b>		<b>3,043.9110</b>	<b>3,043.9110</b>	<b>0.6343</b>		<b>3,059.7693</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, 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	0.2297	7.6165	2.3718	0.0266	0.7168	9.0400e-003	0.7259	0.2064	8.6400e-003	0.2150		2,848.8506	2,848.8506	0.1651		2,852.9785
Worker	0.6136	0.3672	4.3199	0.0145	1.6767	0.0117	1.6883	0.4447	0.0108	0.4554		1,441.9447	1,441.9447	0.0339		1,442.7915
<b>Total</b>	<b>0.8433</b>	<b>7.9837</b>	<b>6.6917</b>	<b>0.0411</b>	<b>2.3935</b>	<b>0.0207</b>	<b>2.4142</b>	<b>0.6510</b>	<b>0.0194</b>	<b>0.6704</b>		<b>4,290.7952</b>	<b>4,290.7952</b>	<b>0.1990</b>		<b>4,295.7700</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	1.8745	16.6452	19.2568	0.0323		0.8085	0.8085		0.7672	0.7672	0.0000	3,043.9110	3,043.9110	0.6343		3,059.7693
<b>Total</b>	<b>1.8745</b>	<b>16.6452</b>	<b>19.2568</b>	<b>0.0323</b>		<b>0.8085</b>	<b>0.8085</b>		<b>0.7672</b>	<b>0.7672</b>	<b>0.0000</b>	<b>3,043.9110</b>	<b>3,043.9110</b>	<b>0.6343</b>		<b>3,059.7693</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, 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	0.2297	7.6165	2.3718	0.0266	0.7168	9.0400e-003	0.7259	0.2064	8.6400e-003	0.2150		2,848.8506	2,848.8506	0.1651		2,852.9785
Worker	0.6136	0.3672	4.3199	0.0145	1.6767	0.0117	1.6883	0.4447	0.0108	0.4554		1,441.9447	1,441.9447	0.0339		1,442.7915
<b>Total</b>	<b>0.8433</b>	<b>7.9837</b>	<b>6.6917</b>	<b>0.0411</b>	<b>2.3935</b>	<b>0.0207</b>	<b>2.4142</b>	<b>0.6510</b>	<b>0.0194</b>	<b>0.6704</b>		<b>4,290.7952</b>	<b>4,290.7952</b>	<b>0.1990</b>		<b>4,295.7700</b>

**3.6 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.4417					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6529	5.1088	7.8904	0.0127		0.2332	0.2332		0.2315	0.2315		1,210.2388	1,210.2388	0.1689		1,214.4601
<b>Total</b>	<b>35.0946</b>	<b>5.1088</b>	<b>7.8904</b>	<b>0.0127</b>		<b>0.2332</b>	<b>0.2332</b>		<b>0.2315</b>	<b>0.2315</b>		<b>1,210.2388</b>	<b>1,210.2388</b>	<b>0.1689</b>		<b>1,214.4601</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**3.6 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.3559	0.2130	2.5056	8.3900e-003	0.9725	6.7700e-003	0.9792	0.2579	6.2400e-003	0.2641		836.3279	836.3279	0.0197		836.8191
<b>Total</b>	<b>0.3559</b>	<b>0.2130</b>	<b>2.5056</b>	<b>8.3900e-003</b>	<b>0.9725</b>	<b>6.7700e-003</b>	<b>0.9792</b>	<b>0.2579</b>	<b>6.2400e-003</b>	<b>0.2641</b>		<b>836.3279</b>	<b>836.3279</b>	<b>0.0197</b>		<b>836.8191</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	34.4417					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.6529	5.1088	7.8904	0.0127		0.2332	0.2332		0.2315	0.2315	0.0000	1,210.2388	1,210.2388	0.1689		1,214.4601
<b>Total</b>	<b>35.0946</b>	<b>5.1088</b>	<b>7.8904</b>	<b>0.0127</b>		<b>0.2332</b>	<b>0.2332</b>		<b>0.2315</b>	<b>0.2315</b>	<b>0.0000</b>	<b>1,210.2388</b>	<b>1,210.2388</b>	<b>0.1689</b>		<b>1,214.4601</b>



3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**3.6 Architectural Coating - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.3559	0.2130	2.5056	8.3900e-003	0.9725	6.7700e-003	0.9792	0.2579	6.2400e-003	0.2641		836.3279	836.3279	0.0197		836.8191
<b>Total</b>	<b>0.3559</b>	<b>0.2130</b>	<b>2.5056</b>	<b>8.3900e-003</b>	<b>0.9725</b>	<b>6.7700e-003</b>	<b>0.9792</b>	<b>0.2579</b>	<b>6.2400e-003</b>	<b>0.2641</b>		<b>836.3279</b>	<b>836.3279</b>	<b>0.0197</b>		<b>836.8191</b>

**3.7 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9181</b>	<b>8.7903</b>	<b>12.1905</b>	<b>0.0189</b>		<b>0.4357</b>	<b>0.4357</b>		<b>0.4025</b>	<b>0.4025</b>		<b>1,805.4304</b>	<b>1,805.4304</b>	<b>0.5673</b>		<b>1,819.6122</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**3.7 Paving - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0818	0.0490	0.5760	1.9300e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		192.2593	192.2593	4.5200e-003		192.3722
<b>Total</b>	<b>0.0818</b>	<b>0.0490</b>	<b>0.5760</b>	<b>1.9300e-003</b>	<b>0.2236</b>	<b>1.5600e-003</b>	<b>0.2251</b>	<b>0.0593</b>	<b>1.4300e-003</b>	<b>0.0607</b>		<b>192.2593</b>	<b>192.2593</b>	<b>4.5200e-003</b>		<b>192.3722</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	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9181</b>	<b>8.7903</b>	<b>12.1905</b>	<b>0.0189</b>		<b>0.4357</b>	<b>0.4357</b>		<b>0.4025</b>	<b>0.4025</b>	<b>0.0000</b>	<b>1,805.4304</b>	<b>1,805.4304</b>	<b>0.5673</b>		<b>1,819.6122</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**3.7 Paving - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0818	0.0490	0.5760	1.9300e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4300e-003	0.0607		192.2593	192.2593	4.5200e-003		192.3722
<b>Total</b>	<b>0.0818</b>	<b>0.0490</b>	<b>0.5760</b>	<b>1.9300e-003</b>	<b>0.2236</b>	<b>1.5600e-003</b>	<b>0.2251</b>	<b>0.0593</b>	<b>1.4300e-003</b>	<b>0.0607</b>		<b>192.2593</b>	<b>192.2593</b>	<b>4.5200e-003</b>		<b>192.3722</b>

**4.0 Operational Detail - Mobile**

---

**4.1 Mitigation Measures Mobile**

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, 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	15.8407	70.6334	160.4402	0.5790	49.3037	0.4331	49.7368	13.1912	0.4026	13.5939		59,100.9662	59,100.9662	3.0322		59,176.7708
Unmitigated	15.8407	70.6334	160.4402	0.5790	49.3037	0.4331	49.7368	13.1912	0.4026	13.5939		59,100.9662	59,100.9662	3.0322		59,176.7708

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Supermarket	0.00	0.00	0.00		
User Defined Commercial	6,571.00	9,479.00	8705.00	17,728,907	17,728,907
User Defined Parking	2,384.00	3,806.00	3486.00	99,902	99,902
<b>Total</b>	<b>8,955.00</b>	<b>13,285.00</b>	<b>12,191.00</b>	<b>17,828,809</b>	<b>17,828,809</b>

4.3 Trip Type Information

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

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
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Supermarket	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Commercial	0.00	6.68	0.00	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Enclosed Parking with Elevator	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
High Turnover (Sit Down Restaurant)	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Regional Shopping Center	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Supermarket	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Commercial	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Parking	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, 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					
NaturalGas Mitigated	0.1831	1.6150	1.0374	9.9900e-003		0.1265	0.1265		0.1265	0.1265		1,997.0097	1,997.0097	0.0383	0.0366	2,008.8769
NaturalGas Unmitigated	0.1831	1.6150	1.0374	9.9900e-003		0.1265	0.1265		0.1265	0.1265		1,997.0097	1,997.0097	0.0383	0.0366	2,008.8769

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, 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					
Apartments Mid Rise	8358.38	0.0901	0.7703	0.3278	4.9200e-003		0.0623	0.0623		0.0623	0.0623		983.3383	983.3383	0.0189	0.0180	989.1818
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	4741.64	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Regional Shopping Center	60.2621	6.5000e-004	5.9100e-003	4.9600e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0897	7.0897	1.4000e-004	1.3000e-004	7.1318
Supermarket	3814.3	0.0411	0.3740	0.3141	2.2400e-003		0.0284	0.0284		0.0284	0.0284		448.7413	448.7413	8.6000e-003	8.2300e-003	451.4079
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.1831</b>	<b>1.6150</b>	<b>1.0374</b>	<b>9.9900e-003</b>		<b>0.1265</b>	<b>0.1265</b>		<b>0.1265</b>	<b>0.1265</b>		<b>1,997.0097</b>	<b>1,997.0097</b>	<b>0.0383</b>	<b>0.0366</b>	<b>2,008.8769</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8.35838	0.0901	0.7703	0.3278	4.9200e-003		0.0623	0.0623		0.0623	0.0623		983.3383	983.3383	0.0189	0.0180	989.1818
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	4.74164	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Regional Shopping Center	0.0602621	6.5000e-004	5.9100e-003	4.9600e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0897	7.0897	1.4000e-004	1.3000e-004	7.1318
Supermarket	3.8143	0.0411	0.3740	0.3141	2.2400e-003		0.0284	0.0284		0.0284	0.0284		448.7413	448.7413	8.6000e-003	8.2300e-003	451.4079
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.1831</b>	<b>1.6150</b>	<b>1.0374</b>	<b>9.9900e-003</b>		<b>0.1265</b>	<b>0.1265</b>		<b>0.1265</b>	<b>0.1265</b>		<b>1,997.0097</b>	<b>1,997.0097</b>	<b>0.0383</b>	<b>0.0366</b>	<b>2,008.8769</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed



3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, 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	10.2591	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4076	49.4076	0.0479	0.0000	50.6052
Unmitigated	10.2591	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4076	49.4076	0.0479	0.0000	50.6052

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	0.8304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5956					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8331	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516		49.4076	49.4076	0.0479		50.6052
<b>Total</b>	<b>10.2591</b>	<b>0.3159</b>	<b>27.4245</b>	<b>1.4500e-003</b>		<b>0.1516</b>	<b>0.1516</b>		<b>0.1516</b>	<b>0.1516</b>	<b>0.0000</b>	<b>49.4076</b>	<b>49.4076</b>	<b>0.0479</b>	<b>0.0000</b>	<b>50.6052</b>

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, 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	0.8304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5956					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8331	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516		49.4076	49.4076	0.0479		50.6052
<b>Total</b>	<b>10.2591</b>	<b>0.3159</b>	<b>27.4245</b>	<b>1.4500e-003</b>		<b>0.1516</b>	<b>0.1516</b>		<b>0.1516</b>	<b>0.1516</b>	<b>0.0000</b>	<b>49.4076</b>	<b>49.4076</b>	<b>0.0479</b>	<b>0.0000</b>	<b>50.6052</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

3rd and Fairfax Mixed-Use Project - South Coast AQMD Air District, Winter

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	12	1000	0.73	Diesel

**Boilers**

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

**User Defined Equipment**

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

**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.028 2	1,679.028 2	0.2354		1,684.913 2
<b>Total</b>	<b>3.2821</b>	<b>14.6775</b>	<b>8.3688</b>	<b>0.0158</b>		<b>0.4828</b>	<b>0.4828</b>		<b>0.4828</b>	<b>0.4828</b>		<b>1,679.028 2</b>	<b>1,679.028 2</b>	<b>0.2354</b>		<b>1,684.913 2</b>

**11.0 Vegetation**

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Summer

**3rd and Fairfax Mixed-Use Project-2023 With Mitigation**  
**South Coast AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	996.00	Space	0.00	398,400.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	7.50	1000sqft	0.00	7,500.00	0
Apartments Mid Rise	331.00	Dwelling Unit	3.15	343,000.00	801
Regional Shopping Center	13.41	1000sqft	0.00	13,412.00	0
Supermarket	63.08	1000sqft	0.00	63,082.00	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>	11			<b>Operational Year</b>	2023
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	1227.89	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

## 3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Summer

Project Characteristics - This model run is based on the "VMT with mitigation scenario" for operational emissions only. Ignore construction data and emissions.

Land Use - Project data per site plan dated January 2019 with updated parking plan dated February 2020 (996 spaces). Population estimate is based on 2.42 persons per household per City Planning demographic data.

Construction Phase - Ignore construction input and emission data.

Off-road Equipment - Construction equipment per applicant data.

Off-road Equipment - Ignore construction input and emission data.

Trips and VMT - Soil haul trips conservatively estimate 14 cy hauling capacity.

Demolition - Demolition phase includes 151,048 sf of building demolition debris

Grading -

Vehicle Trips - Mobile source emissions based on LADOT VMT Calculator with Mitigation- see attached assumptions and data input modifications sheet.

Weekend and pass-by trip rates were based on data provided by LLG Engineers (See attached Trip Generation tables).

Woodstoves - No fireplaces are proposed.

Land Use Change -

Sequestration - Sequestration includes 83 new trees per landscape plan.

Construction Off-road Equipment Mitigation - Mitigation assumes compliance with AQMD Rule 403 (dust suppression).

Area Mitigation - Application of low-VOC architectural coatings per LA Green Building Code.

Energy Mitigation - Energy Star Rated appliances required per LA Green Building Code.

Water Mitigation - Water conservation measures are mandatory per compliance with the LA Green Building Code.

Waste Mitigation - Solid waste recycling program is mandatory under the LA Green Building Code.

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	23904	22872
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	5.00	1.00
tblFireplaces	NumberGas	281.35	0.00
tblFireplaces	NumberNoFireplace	33.10	331.00
tblFireplaces	NumberWood	16.55	0.00

## 3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Summer

tblLandUse	LandUseSquareFeet	331,000.00	343,000.00
tblLandUse	LandUseSquareFeet	13,410.00	13,412.00
tblLandUse	LandUseSquareFeet	63,080.00	63,082.00
tblLandUse	LotAcreage	8.96	0.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	8.71	3.15
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	LotAcreage	1.45	0.00
tblLandUse	Population	947.00	801.00
tblOffRoadEquipment	HorsePower	89.00	247.00
tblOffRoadEquipment	LoadFactor	0.20	0.40
tblSequestration	NumberOfNewTrees	0.00	83.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	3.00	13.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	6.68
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	72.50	0.00
tblVehicleTrips	CC_TTP	64.70	0.00
tblVehicleTrips	CC_TTP	74.50	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00

## 3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Summer

tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	CW_TTP	6.50	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00

## 3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Summer

tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	36.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	PR_TP	37.00	0.00
tblVehicleTrips	PR_TP	54.00	0.00
tblVehicleTrips	PR_TP	34.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	177.59	0.00
tblVehicleTrips	ST_TR	0.00	8,862.00
tblVehicleTrips	ST_TR	0.00	3,806.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	166.44	0.00
tblVehicleTrips	SU_TR	0.00	8,138.00
tblVehicleTrips	SU_TR	0.00	3,486.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	102.24	0.00
tblVehicleTrips	WD_TR	0.00	6,143.00



## 3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Summer

tblVehicleTrips	WD_TR	0.00	2,384.00
tblWoodstoves	NumberCatalytic	16.55	0.00
tblWoodstoves	NumberNoncatalytic	16.55	0.00

## 2.0 Emissions Summary

---



3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, 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	10.2591	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4076	49.4076	0.0479	0.0000	50.6052
Energy	0.1831	1.6150	1.0374	9.9900e-003		0.1265	0.1265		0.1265	0.1265		1,997.0097	1,997.0097	0.0383	0.0366	2,008.8769
Mobile	15.9639	66.4486	156.6827	0.5745	46.1136	0.4031	46.5167	12.3377	0.3747	12.7124		58,625.8546	58,625.8546	2.8086		58,696.0683
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
<b>Total</b>	<b>29.6882</b>	<b>83.0570</b>	<b>193.5133</b>	<b>0.6017</b>	<b>46.1136</b>	<b>1.1640</b>	<b>47.2776</b>	<b>12.3377</b>	<b>1.1355</b>	<b>13.4733</b>	<b>0.0000</b>	<b>62,351.3001</b>	<b>62,351.3001</b>	<b>3.1301</b>	<b>0.0366</b>	<b>62,440.4637</b>

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Summer

**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	lb/day										lb/day					
Area	10.2591	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4076	49.4076	0.0479	0.0000	50.6052
Energy	0.1831	1.6150	1.0374	9.9900e-003		0.1265	0.1265		0.1265	0.1265		1,997.0097	1,997.0097	0.0383	0.0366	2,008.8769
Mobile	15.9639	66.4486	156.6827	0.5745	46.1136	0.4031	46.5167	12.3377	0.3747	12.7124		58,625.8546	58,625.8546	2.8086		58,696.0683
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
<b>Total</b>	<b>29.6882</b>	<b>83.0570</b>	<b>193.5133</b>	<b>0.6017</b>	<b>46.1136</b>	<b>1.1640</b>	<b>47.2776</b>	<b>12.3377</b>	<b>1.1355</b>	<b>13.4733</b>	<b>0.0000</b>	<b>62,351.3001</b>	<b>62,351.3001</b>	<b>3.1301</b>	<b>0.0366</b>	<b>62,440.4637</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>0.00</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>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Pre-Demolition Abatement	Site Preparation	2/15/2021	2/15/2021	5	1	

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

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

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Summer

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
Pre-Demolition Abatement	Forklifts	1	8.00	247	0.40

**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
Pre-Demolition Abatement	1	13.00	0.00	10.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Pre-Demolition Abatement - 2021**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4336	4.4991	2.3293	8.5200e-003		0.1728	0.1728		0.1590	0.1590		824.7856	824.7856	0.2668		831.4544
<b>Total</b>	<b>0.4336</b>	<b>4.4991</b>	<b>2.3293</b>	<b>8.5200e-003</b>	<b>0.0000</b>	<b>0.1728</b>	<b>0.1728</b>	<b>0.0000</b>	<b>0.1590</b>	<b>0.1590</b>		<b>824.7856</b>	<b>824.7856</b>	<b>0.2668</b>		<b>831.4544</b>

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Summer

**3.2 Pre-Demolition Abatement - 2021**

**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	0.0839	2.8463	0.6214	8.9800e-003	0.2096	9.3400e-003	0.2190	0.0575	8.9400e-003	0.0664		971.5811	971.5811	0.0629		973.1527
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0549	0.0356	0.4897	1.4400e-003	0.1453	1.0700e-003	0.1464	0.0385	9.9000e-004	0.0395		143.9624	143.9624	3.8700e-003		144.0592
<b>Total</b>	<b>0.1387</b>	<b>2.8819</b>	<b>1.1112</b>	<b>0.0104</b>	<b>0.3550</b>	<b>0.0104</b>	<b>0.3654</b>	<b>0.0960</b>	<b>9.9300e-003</b>	<b>0.1059</b>		<b>1,115.5435</b>	<b>1,115.5435</b>	<b>0.0667</b>		<b>1,117.2119</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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4336	4.4991	2.3293	8.5200e-003		0.1728	0.1728		0.1590	0.1590	0.0000	824.7856	824.7856	0.2668		831.4544
<b>Total</b>	<b>0.4336</b>	<b>4.4991</b>	<b>2.3293</b>	<b>8.5200e-003</b>	<b>0.0000</b>	<b>0.1728</b>	<b>0.1728</b>	<b>0.0000</b>	<b>0.1590</b>	<b>0.1590</b>	<b>0.0000</b>	<b>824.7856</b>	<b>824.7856</b>	<b>0.2668</b>		<b>831.4544</b>

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Summer

**3.2 Pre-Demolition Abatement - 2021**

**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	0.0839	2.8463	0.6214	8.9800e-003	0.2096	9.3400e-003	0.2190	0.0575	8.9400e-003	0.0664		971.5811	971.5811	0.0629		973.1527
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0549	0.0356	0.4897	1.4400e-003	0.1453	1.0700e-003	0.1464	0.0385	9.9000e-004	0.0395		143.9624	143.9624	3.8700e-003		144.0592
<b>Total</b>	<b>0.1387</b>	<b>2.8819</b>	<b>1.1112</b>	<b>0.0104</b>	<b>0.3550</b>	<b>0.0104</b>	<b>0.3654</b>	<b>0.0960</b>	<b>9.9300e-003</b>	<b>0.1059</b>		<b>1,115.5435</b>	<b>1,115.5435</b>	<b>0.0667</b>		<b>1,117.2119</b>

**4.0 Operational Detail - Mobile**

---

**4.1 Mitigation Measures Mobile**

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, 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	15.9639	66.4486	156.6827	0.5745	46.1136	0.4031	46.5167	12.3377	0.3747	12.7124		58,625.85 46	58,625.85 46	2.8086		58,696.06 83
Unmitigated	15.9639	66.4486	156.6827	0.5745	46.1136	0.4031	46.5167	12.3377	0.3747	12.7124		58,625.85 46	58,625.85 46	2.8086		58,696.06 83

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Supermarket	0.00	0.00	0.00		
User Defined Commercial	6,143.00	8,862.00	8138.00	16,574,282	16,574,282
User Defined Parking	2,384.00	3,806.00	3486.00	99,902	99,902
<b>Total</b>	<b>8,527.00</b>	<b>12,668.00</b>	<b>11,624.00</b>	<b>16,674,185</b>	<b>16,674,185</b>

4.3 Trip Type Information



3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Summer

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
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Supermarket	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Commercial	0.00	6.68	0.00	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Enclosed Parking with Elevator	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
High Turnover (Sit Down Restaurant)	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Regional Shopping Center	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Supermarket	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Commercial	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Parking	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, 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					
NaturalGas Mitigated	0.1831	1.6150	1.0374	9.9900e-003		0.1265	0.1265		0.1265	0.1265		1,997.0097	1,997.0097	0.0383	0.0366	2,008.8769
NaturalGas Unmitigated	0.1831	1.6150	1.0374	9.9900e-003		0.1265	0.1265		0.1265	0.1265		1,997.0097	1,997.0097	0.0383	0.0366	2,008.8769

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, 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					
Apartments Mid Rise	8358.38	0.0901	0.7703	0.3278	4.9200e-003		0.0623	0.0623		0.0623	0.0623		983.3383	983.3383	0.0189	0.0180	989.1818
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	4741.64	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Regional Shopping Center	60.2621	6.5000e-004	5.9100e-003	4.9600e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0897	7.0897	1.4000e-004	1.3000e-004	7.1318
Supermarket	3814.3	0.0411	0.3740	0.3141	2.2400e-003		0.0284	0.0284		0.0284	0.0284		448.7413	448.7413	8.6000e-003	8.2300e-003	451.4079
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.1831</b>	<b>1.6150</b>	<b>1.0374</b>	<b>9.9900e-003</b>		<b>0.1265</b>	<b>0.1265</b>		<b>0.1265</b>	<b>0.1265</b>		<b>1,997.0097</b>	<b>1,997.0097</b>	<b>0.0383</b>	<b>0.0366</b>	<b>2,008.8769</b>

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Summer

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8.35838	0.0901	0.7703	0.3278	4.9200e-003		0.0623	0.0623		0.0623	0.0623		983.3383	983.3383	0.0189	0.0180	989.1818
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	4.74164	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Regional Shopping Center	0.0602621	6.5000e-004	5.9100e-003	4.9600e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0897	7.0897	1.4000e-004	1.3000e-004	7.1318
Supermarket	3.8143	0.0411	0.3740	0.3141	2.2400e-003		0.0284	0.0284		0.0284	0.0284		448.7413	448.7413	8.6000e-003	8.2300e-003	451.4079
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.1831</b>	<b>1.6150</b>	<b>1.0374</b>	<b>9.9900e-003</b>		<b>0.1265</b>	<b>0.1265</b>		<b>0.1265</b>	<b>0.1265</b>		<b>1,997.0097</b>	<b>1,997.0097</b>	<b>0.0383</b>	<b>0.0366</b>	<b>2,008.8769</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, 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	10.2591	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4076	49.4076	0.0479	0.0000	50.6052
Unmitigated	10.2591	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4076	49.4076	0.0479	0.0000	50.6052

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	0.8304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5956					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8331	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516		49.4076	49.4076	0.0479		50.6052
<b>Total</b>	<b>10.2591</b>	<b>0.3159</b>	<b>27.4245</b>	<b>1.4500e-003</b>		<b>0.1516</b>	<b>0.1516</b>		<b>0.1516</b>	<b>0.1516</b>	<b>0.0000</b>	<b>49.4076</b>	<b>49.4076</b>	<b>0.0479</b>	<b>0.0000</b>	<b>50.6052</b>

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, 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	0.8304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5956					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8331	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516		49.4076	49.4076	0.0479		50.6052
<b>Total</b>	<b>10.2591</b>	<b>0.3159</b>	<b>27.4245</b>	<b>1.4500e-003</b>		<b>0.1516</b>	<b>0.1516</b>		<b>0.1516</b>	<b>0.1516</b>	<b>0.0000</b>	<b>49.4076</b>	<b>49.4076</b>	<b>0.0479</b>	<b>0.0000</b>	<b>50.6052</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Summer

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	12	1000	0.73	Diesel

**Boilers**

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

**User Defined Equipment**

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

**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.028 2	1,679.028 2	0.2354		1,684.913 2
<b>Total</b>	<b>3.2821</b>	<b>14.6775</b>	<b>8.3688</b>	<b>0.0158</b>		<b>0.4828</b>	<b>0.4828</b>		<b>0.4828</b>	<b>0.4828</b>		<b>1,679.028 2</b>	<b>1,679.028 2</b>	<b>0.2354</b>		<b>1,684.913 2</b>

**11.0 Vegetation**

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Winter

**3rd and Fairfax Mixed-Use Project-2023 With Mitigation**  
**South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	996.00	Space	0.00	398,400.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	7.50	1000sqft	0.00	7,500.00	0
Apartments Mid Rise	331.00	Dwelling Unit	3.15	343,000.00	801
Regional Shopping Center	13.41	1000sqft	0.00	13,412.00	0
Supermarket	63.08	1000sqft	0.00	63,082.00	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>	11			<b>Operational Year</b>	2023
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	1227.89	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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



## 3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Winter

Project Characteristics - This model run is based on the "VMT with mitigation scenario" for operational emissions only. Ignore construction data and emissions.

Land Use - Project data per site plan dated January 2019 with updated parking plan dated February 2020 (996 spaces). Population estimate is based on 2.42 persons per household per City Planning demographic data.

Construction Phase - Ignore construction input and emission data.

Off-road Equipment - Construction equipment per applicant data.

Off-road Equipment - Ignore construction input and emission data.

Trips and VMT - Soil haul trips conservatively estimate 14 cy hauling capacity.

Demolition - Demolition phase includes 151,048 sf of building demolition debris

Grading -

Vehicle Trips - Mobile source emissions based on LADOT VMT Calculator with Mitigation- see attached assumptions and data input modifications sheet.

Weekend and pass-by trip rates were based on data provided by LLG Engineers (See attached Trip Generation tables).

Woodstoves - No fireplaces are proposed.

Land Use Change -

Sequestration - Sequestration includes 83 new trees per landscape plan.

Construction Off-road Equipment Mitigation - Mitigation assumes compliance with AQMD Rule 403 (dust suppression).

Area Mitigation - Application of low-VOC architectural coatings per LA Green Building Code.

Energy Mitigation - Energy Star Rated appliances required per LA Green Building Code.

Water Mitigation - Water conservation measures are mandatory per compliance with the LA Green Building Code.

Waste Mitigation - Solid waste recycling program is mandatory under the LA Green Building Code.

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	23904	22872
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	5.00	1.00
tblFireplaces	NumberGas	281.35	0.00
tblFireplaces	NumberNoFireplace	33.10	331.00
tblFireplaces	NumberWood	16.55	0.00

## 3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Winter

tblLandUse	LandUseSquareFeet	331,000.00	343,000.00
tblLandUse	LandUseSquareFeet	13,410.00	13,412.00
tblLandUse	LandUseSquareFeet	63,080.00	63,082.00
tblLandUse	LotAcreage	8.96	0.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	8.71	3.15
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	LotAcreage	1.45	0.00
tblLandUse	Population	947.00	801.00
tblOffRoadEquipment	HorsePower	89.00	247.00
tblOffRoadEquipment	LoadFactor	0.20	0.40
tblSequestration	NumberOfNewTrees	0.00	83.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	3.00	13.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	6.68
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	72.50	0.00
tblVehicleTrips	CC_TTP	64.70	0.00
tblVehicleTrips	CC_TTP	74.50	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00

## 3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Winter

tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	CW_TTP	6.50	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Winter

tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	36.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	PR_TP	37.00	0.00
tblVehicleTrips	PR_TP	54.00	0.00
tblVehicleTrips	PR_TP	34.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	177.59	0.00
tblVehicleTrips	ST_TR	0.00	8,862.00
tblVehicleTrips	ST_TR	0.00	3,806.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	166.44	0.00
tblVehicleTrips	SU_TR	0.00	8,138.00
tblVehicleTrips	SU_TR	0.00	3,486.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	102.24	0.00
tblVehicleTrips	WD_TR	0.00	6,143.00

## 3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Winter

tblVehicleTrips	WD_TR	0.00	2,384.00
tblWoodstoves	NumberCatalytic	16.55	0.00
tblWoodstoves	NumberNoncatalytic	16.55	0.00

## 2.0 Emissions Summary

---



3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, 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	10.2591	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4076	49.4076	0.0479	0.0000	50.6052
Energy	0.1831	1.6150	1.0374	9.9900e-003		0.1265	0.1265		0.1265	0.1265		1,997.0097	1,997.0097	0.0383	0.0366	2,008.8769
Mobile	15.0251	66.8991	150.9459	0.5426	46.1136	0.4065	46.5201	12.3377	0.3779	12.7156		55,392.9796	55,392.9796	2.8533		55,464.3122
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
<b>Total</b>	<b>28.7494</b>	<b>83.5074</b>	<b>187.7764</b>	<b>0.5698</b>	<b>46.1136</b>	<b>1.1674</b>	<b>47.2810</b>	<b>12.3377</b>	<b>1.1387</b>	<b>13.4765</b>	<b>0.0000</b>	<b>59,118.4251</b>	<b>59,118.4251</b>	<b>3.1749</b>	<b>0.0366</b>	<b>59,208.7076</b>

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Winter

**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	lb/day										lb/day					
Area	10.2591	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4076	49.4076	0.0479	0.0000	50.6052
Energy	0.1831	1.6150	1.0374	9.9900e-003		0.1265	0.1265		0.1265	0.1265		1,997.0097	1,997.0097	0.0383	0.0366	2,008.8769
Mobile	15.0251	66.8991	150.9459	0.5426	46.1136	0.4065	46.5201	12.3377	0.3779	12.7156		55,392.9796	55,392.9796	2.8533		55,464.3122
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
<b>Total</b>	<b>28.7494</b>	<b>83.5074</b>	<b>187.7764</b>	<b>0.5698</b>	<b>46.1136</b>	<b>1.1674</b>	<b>47.2810</b>	<b>12.3377</b>	<b>1.1387</b>	<b>13.4765</b>	<b>0.0000</b>	<b>59,118.4251</b>	<b>59,118.4251</b>	<b>3.1749</b>	<b>0.0366</b>	<b>59,208.7076</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>0.00</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>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Pre-Demolition Abatement	Site Preparation	2/15/2021	2/15/2021	5	1	

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

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



3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Winter

**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
Pre-Demolition Abatement	Forklifts	1	8.00	247	0.40

**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
Pre-Demolition Abatement	1	13.00	0.00	10.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Pre-Demolition Abatement - 2021**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4336	4.4991	2.3293	8.5200e-003		0.1728	0.1728		0.1590	0.1590		824.7856	824.7856	0.2668		831.4544
<b>Total</b>	<b>0.4336</b>	<b>4.4991</b>	<b>2.3293</b>	<b>8.5200e-003</b>	<b>0.0000</b>	<b>0.1728</b>	<b>0.1728</b>	<b>0.0000</b>	<b>0.1590</b>	<b>0.1590</b>		<b>824.7856</b>	<b>824.7856</b>	<b>0.2668</b>		<b>831.4544</b>

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Winter

**3.2 Pre-Demolition Abatement - 2021**

**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	0.0859	2.8897	0.6603	8.8300e-003	0.2096	9.4600e-003	0.2191	0.0575	9.0500e-003	0.0665		956.2369	956.2369	0.0652		957.8668
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0600	0.0390	0.4401	1.3500e-003	0.1453	1.0700e-003	0.1464	0.0385	9.9000e-004	0.0395		134.6368	134.6368	3.6100e-003		134.7270
<b>Total</b>	<b>0.1459</b>	<b>2.9287</b>	<b>1.1004</b>	<b>0.0102</b>	<b>0.3550</b>	<b>0.0105</b>	<b>0.3655</b>	<b>0.0960</b>	<b>0.0100</b>	<b>0.1060</b>		<b>1,090.8737</b>	<b>1,090.8737</b>	<b>0.0688</b>		<b>1,092.5938</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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4336	4.4991	2.3293	8.5200e-003		0.1728	0.1728		0.1590	0.1590	0.0000	824.7856	824.7856	0.2668		831.4544
<b>Total</b>	<b>0.4336</b>	<b>4.4991</b>	<b>2.3293</b>	<b>8.5200e-003</b>	<b>0.0000</b>	<b>0.1728</b>	<b>0.1728</b>	<b>0.0000</b>	<b>0.1590</b>	<b>0.1590</b>	<b>0.0000</b>	<b>824.7856</b>	<b>824.7856</b>	<b>0.2668</b>		<b>831.4544</b>

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Winter

**3.2 Pre-Demolition Abatement - 2021**

**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	0.0859	2.8897	0.6603	8.8300e-003	0.2096	9.4600e-003	0.2191	0.0575	9.0500e-003	0.0665		956.2369	956.2369	0.0652		957.8668
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0600	0.0390	0.4401	1.3500e-003	0.1453	1.0700e-003	0.1464	0.0385	9.9000e-004	0.0395		134.6368	134.6368	3.6100e-003		134.7270
<b>Total</b>	<b>0.1459</b>	<b>2.9287</b>	<b>1.1004</b>	<b>0.0102</b>	<b>0.3550</b>	<b>0.0105</b>	<b>0.3655</b>	<b>0.0960</b>	<b>0.0100</b>	<b>0.1060</b>		<b>1,090.8737</b>	<b>1,090.8737</b>	<b>0.0688</b>		<b>1,092.5938</b>

**4.0 Operational Detail - Mobile**

---

**4.1 Mitigation Measures Mobile**

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, 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	15.0251	66.8991	150.9459	0.5426	46.1136	0.4065	46.5201	12.3377	0.3779	12.7156		55,392.97 96	55,392.97 96	2.8533		55,464.31 22
Unmitigated	15.0251	66.8991	150.9459	0.5426	46.1136	0.4065	46.5201	12.3377	0.3779	12.7156		55,392.97 96	55,392.97 96	2.8533		55,464.31 22

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Supermarket	0.00	0.00	0.00		
User Defined Commercial	6,143.00	8,862.00	8138.00	16,574,282	16,574,282
User Defined Parking	2,384.00	3,806.00	3486.00	99,902	99,902
<b>Total</b>	<b>8,527.00</b>	<b>12,668.00</b>	<b>11,624.00</b>	<b>16,674,185</b>	<b>16,674,185</b>

4.3 Trip Type Information

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Winter

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
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Supermarket	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Commercial	0.00	6.68	0.00	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Enclosed Parking with Elevator	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
High Turnover (Sit Down Restaurant)	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Regional Shopping Center	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Supermarket	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Commercial	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Parking	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, 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					
NaturalGas Mitigated	0.1831	1.6150	1.0374	9.9900e-003		0.1265	0.1265		0.1265	0.1265		1,997.0097	1,997.0097	0.0383	0.0366	2,008.8769
NaturalGas Unmitigated	0.1831	1.6150	1.0374	9.9900e-003		0.1265	0.1265		0.1265	0.1265		1,997.0097	1,997.0097	0.0383	0.0366	2,008.8769

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, 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					
Apartments Mid Rise	8358.38	0.0901	0.7703	0.3278	4.9200e-003		0.0623	0.0623		0.0623	0.0623		983.3383	983.3383	0.0189	0.0180	989.1818
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	4741.64	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Regional Shopping Center	60.2621	6.5000e-004	5.9100e-003	4.9600e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0897	7.0897	1.4000e-004	1.3000e-004	7.1318
Supermarket	3814.3	0.0411	0.3740	0.3141	2.2400e-003		0.0284	0.0284		0.0284	0.0284		448.7413	448.7413	8.6000e-003	8.2300e-003	451.4079
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.1831</b>	<b>1.6150</b>	<b>1.0374</b>	<b>9.9900e-003</b>		<b>0.1265</b>	<b>0.1265</b>		<b>0.1265</b>	<b>0.1265</b>		<b>1,997.0097</b>	<b>1,997.0097</b>	<b>0.0383</b>	<b>0.0366</b>	<b>2,008.8769</b>

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Winter

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8.35838	0.0901	0.7703	0.3278	4.9200e-003		0.0623	0.0623		0.0623	0.0623		983.3383	983.3383	0.0189	0.0180	989.1818
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	4.74164	0.0511	0.4649	0.3905	2.7900e-003		0.0353	0.0353		0.0353	0.0353		557.8405	557.8405	0.0107	0.0102	561.1554
Regional Shopping Center	0.0602621	6.5000e-004	5.9100e-003	4.9600e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.0897	7.0897	1.4000e-004	1.3000e-004	7.1318
Supermarket	3.8143	0.0411	0.3740	0.3141	2.2400e-003		0.0284	0.0284		0.0284	0.0284		448.7413	448.7413	8.6000e-003	8.2300e-003	451.4079
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.1831</b>	<b>1.6150</b>	<b>1.0374</b>	<b>9.9900e-003</b>		<b>0.1265</b>	<b>0.1265</b>		<b>0.1265</b>	<b>0.1265</b>		<b>1,997.0097</b>	<b>1,997.0097</b>	<b>0.0383</b>	<b>0.0366</b>	<b>2,008.8769</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed



3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, 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	10.2591	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4076	49.4076	0.0479	0.0000	50.6052
Unmitigated	10.2591	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516	0.0000	49.4076	49.4076	0.0479	0.0000	50.6052

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	0.8304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5956					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8331	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516		49.4076	49.4076	0.0479		50.6052
<b>Total</b>	<b>10.2591</b>	<b>0.3159</b>	<b>27.4245</b>	<b>1.4500e-003</b>		<b>0.1516</b>	<b>0.1516</b>		<b>0.1516</b>	<b>0.1516</b>	<b>0.0000</b>	<b>49.4076</b>	<b>49.4076</b>	<b>0.0479</b>	<b>0.0000</b>	<b>50.6052</b>

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, 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	0.8304					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.5956					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8331	0.3159	27.4245	1.4500e-003		0.1516	0.1516		0.1516	0.1516		49.4076	49.4076	0.0479		50.6052
<b>Total</b>	<b>10.2591</b>	<b>0.3159</b>	<b>27.4245</b>	<b>1.4500e-003</b>		<b>0.1516</b>	<b>0.1516</b>		<b>0.1516</b>	<b>0.1516</b>	<b>0.0000</b>	<b>49.4076</b>	<b>49.4076</b>	<b>0.0479</b>	<b>0.0000</b>	<b>50.6052</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Winter

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	12	1000	0.73	Diesel

**Boilers**

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

**User Defined Equipment**

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

**10.1 Stationary Sources**

**Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.028 2	1,679.028 2	0.2354		1,684.913 2
<b>Total</b>	<b>3.2821</b>	<b>14.6775</b>	<b>8.3688</b>	<b>0.0158</b>		<b>0.4828</b>	<b>0.4828</b>		<b>0.4828</b>	<b>0.4828</b>		<b>1,679.028 2</b>	<b>1,679.028 2</b>	<b>0.2354</b>		<b>1,684.913 2</b>

**11.0 Vegetation**