

Operational Air Quality Emissions

Proposed						
Operational Activities Summer (Unmitigated)						
	VOC	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Area	0.79	0.53	2.70	3.31E-03	0.05	0.05
Energy Source	0.01	0.10	0.04	6.50E-04	8.20E-03	8.20E-03
Mobile	0.28	1.15	3.81	0.01	1.20	0.33
Total Max. Daily Emissions	1.08	1.77	6.55	0.02	1.26	0.39
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	NO	NO	NO	NO	NO	NO
Operational Activities Winter (Unmitigated)						
	VOC	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Area	0.79	0.53	2.70	3.31E-03	0.05	0.05
Energy Source	0.01	0.10	0.04	6.50E-04	8.20E-03	8.20E-03
Mobile	0.28	1.18	3.64	0.01	1.20	0.33
Total Max. Daily Emissions	1.07	1.81	6.39	0.02	1.26	0.39
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

Project Greenhouse Gas Emissions

Project Greenhouse Gas Emissions (Annual)				
	CO ₂	CH ₄	N ₂ O	Total CO ₂ E
Annual construction-related emissions amortized over 30 years	13.14	0.00	0.00	13.23
Area	7.71	6.30E-04	1.30E-04	7.77
Energy	62.77	2.12E-03	7.50E-04	63.04
Mobile	212.07	0.01	0.00	212.29
Waste	2.80	0.17	0.00	6.94
Water Usage	13.09	0.14	1.61E-03	15.18
Total CO₂E (All Sources)	318.45			
Screening Threshold (CO₂E)	3,000			
Threshold Exceeded?	NO			

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

320-330 S. Monte Vista (Construction - Unmitigated)
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	56.00	Space	0.56	22,400.00	0
----- Apartments Mid Rise	30.00	----- Dwelling Unit	0.23	29,858.00	86

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	9			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

Project Characteristics -

Land Use - Total Project Area is 0.97 acres. Building Area is 0.23 acres, Parking Area is 0.56 acres, and Landscaped Area is 0.18 acres (not modeled).

Construction Phase - Construction Schedule adjusted to meet the 2020 Opening Year.

Off-road Equipment - Hours are based on an 8-hour workday.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

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Demolition -

Grading -

Architectural Coating - Rule 1113

Vehicle Trips - Construction Run Only.

Woodstoves - Construction Run Only.

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	1.00	10.00
tblConstructionPhase	NumDays	2.00	12.00
tblConstructionPhase	NumDays	100.00	250.00

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	5.00	20.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24NG	6,384.00	0.00
tblEnergyUse	T24E	252.63	0.00
tblEnergyUse	T24NG	7,012.17	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	25.50	0.00
tblFireplaces	NumberNoFireplace	3.00	0.00
tblFireplaces	NumberWood	1.50	0.00
tblGrading	AcresOfGrading	12.00	0.00
tblGrading	AcresOfGrading	10.00	5.00
tblLandUse	LandUseSquareFeet	30,000.00	29,858.00
tblLandUse	LotAcreage	0.50	0.56
tblLandUse	LotAcreage	0.79	0.23
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	13.80	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	DV_TP	11.00	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

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblWater	IndoorWaterUseRate	1,954,620.77	0.00
tblWater	OutdoorWaterUseRate	1,232,260.92	0.00
tblWoodstoves	NumberCatalytic	1.50	0.00
tblWoodstoves	NumberNoncatalytic	1.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, 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	0.7282	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.4688	4.4688	4.3800e-003	0.0000	4.5783
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.7282	0.0288	2.4890	1.3000e-004	0.0000	0.0137	0.0137	0.0000	0.0137	0.0137	0.0000	4.4688	4.4688	4.3800e-003	0.0000	4.5783

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	0.7282	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.4688	4.4688	4.3800e-003	0.0000	4.5783
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.7282	0.0288	2.4890	1.3000e-004	0.0000	0.0137	0.0137	0.0000	0.0137	0.0137	0.0000	4.4688	4.4688	4.3800e-003	0.0000	4.5783

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2019	4/26/2019	5	20	
2	Site Preparation	Site Preparation	4/27/2019	5/10/2019	5	10	
3	Grading	Grading	5/11/2019	5/28/2019	5	12	
4	Building Construction	Building Construction	5/29/2019	5/12/2020	5	250	
5	Paving	Paving	5/13/2020	5/26/2020	5	10	
6	Architectural Coating	Architectural Coating	5/27/2020	6/9/2020	5	20	

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.56

Residential Indoor: 60,462; Residential Outdoor: 20,154; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,344 (Architectural Coating – sqft)

OffRoad Equipment

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	1	8.00	212	0.43
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	78	0.48
Demolition	Crawler Tractors	2	8.00	212	0.43
Grading	Crawler Tractors	2	8.00	212	0.43
Building Construction	Crawler Tractors	2	8.00	212	0.43
Paving	Crawler Tractors	1	8.00	212	0.43

Trips and VMT

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	9.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	31.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	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 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0990	0.0000	0.0990	0.0150	0.0000	0.0150			0.0000			0.0000
Off-Road	2.8172	31.6511	13.1455	0.0305		1.4211	1.4211		1.3258	1.3258		2,992.660 1	2,992.660 1	0.8011		3,012.686 3
Total	2.8172	31.6511	13.1455	0.0305	0.0990	1.4211	1.5201	0.0150	1.3258	1.3407		2,992.660 1	2,992.660 1	0.8011		3,012.686 3

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.8400e-003	0.1351	0.0339	3.4000e-004	7.8400e-003	5.2000e-004	8.3600e-003	2.1500e-003	5.0000e-004	2.6500e-003		38.2406	38.2406	4.1600e-003		38.3445
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003		106.6430
Total	0.0503	0.1648	0.3641	1.4100e-003	0.1196	1.2700e-003	0.1209	0.0318	1.1900e-003	0.0330		144.8179	144.8179	6.7900e-003		144.9875

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					0.0386	0.0000	0.0386	5.8500e-003	0.0000	5.8500e-003			0.0000			0.0000
Off-Road	2.8172	31.6511	13.1455	0.0305		1.4211	1.4211		1.3258	1.3258	0.0000	2,992.6601	2,992.6601	0.8011		3,012.6863
Total	2.8172	31.6511	13.1455	0.0305	0.0386	1.4211	1.4597	5.8500e-003	1.3258	1.3316	0.0000	2,992.6601	2,992.6601	0.8011		3,012.6863

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.8400e-003	0.1351	0.0339	3.4000e-004	7.8400e-003	5.2000e-004	8.3600e-003	2.1500e-003	5.0000e-004	2.6500e-003		38.2406	38.2406	4.1600e-003		38.3445
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003		106.6430
Total	0.0503	0.1648	0.3641	1.4100e-003	0.1196	1.2700e-003	0.1209	0.0318	1.1900e-003	0.0330		144.8179	144.8179	6.7900e-003		144.9875

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.0970	14.5737	4.4177	0.0145		0.5126	0.5126		0.4716	0.4716		1,434.9101	1,434.9101	0.4540		1,446.2599
Total	1.0970	14.5737	4.4177	0.0145	0.5303	0.5126	1.0429	0.0573	0.4716	0.5289		1,434.9101	1,434.9101	0.4540		1,446.2599

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0233	0.0149	0.1651	5.3000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		53.2887	53.2887	1.3100e-003		53.3215
Total	0.0233	0.0149	0.1651	5.3000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		53.2887	53.2887	1.3100e-003		53.3215

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					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	1.0970	14.5737	4.4177	0.0145		0.5126	0.5126		0.4716	0.4716	0.0000	1,434.9101	1,434.9101	0.4540		1,446.2599
Total	1.0970	14.5737	4.4177	0.0145	0.2068	0.5126	0.7194	0.0223	0.4716	0.4939	0.0000	1,434.9101	1,434.9101	0.4540		1,446.2599

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0233	0.0149	0.1651	5.3000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		53.2887	53.2887	1.3100e-003		53.3215
Total	0.0233	0.0149	0.1651	5.3000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		53.2887	53.2887	1.3100e-003		53.3215

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	2.8172	31.6511	13.1455	0.0305		1.4211	1.4211		1.3258	1.3258		2,992.6601	2,992.6601	0.8011		3,012.6863
Total	2.8172	31.6511	13.1455	0.0305	6.0221	1.4211	7.4432	3.3102	1.3258	4.6360		2,992.6601	2,992.6601	0.8011		3,012.6863

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003		106.6430
Total	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003		106.6430

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					2.3486	0.0000	2.3486	1.2910	0.0000	1.2910			0.0000			0.0000
Off-Road	2.8172	31.6511	13.1455	0.0305		1.4211	1.4211		1.3258	1.3258	0.0000	2,992.6601	2,992.6601	0.8011		3,012.6863
Total	2.8172	31.6511	13.1455	0.0305	2.3486	1.4211	3.7697	1.2910	1.3258	2.6167	0.0000	2,992.6601	2,992.6601	0.8011		3,012.6863

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003		106.6430
Total	0.0465	0.0297	0.3303	1.0700e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		106.5774	106.5774	2.6300e-003		106.6430

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0411	24.8071	9.8263	0.0245		1.0772	1.0772		0.9910	0.9910		2,424.0790	2,424.0790	0.7670		2,443.2528
Total	2.0411	24.8071	9.8263	0.0245		1.0772	1.0772		0.9910	0.9910		2,424.0790	2,424.0790	0.7670		2,443.2528

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0274	0.7952	0.2306	1.7200e-003	0.0447	5.4700e-003	0.0502	0.0129	5.2300e-003	0.0181		186.4486	186.4486	0.0170		186.8731
Worker	0.1441	0.0921	1.0239	3.3100e-003	0.3465	2.3100e-003	0.3488	0.0919	2.1300e-003	0.0940		330.3898	330.3898	8.1400e-003		330.5934
Total	0.1715	0.8873	1.2544	5.0300e-003	0.3912	7.7800e-003	0.3990	0.1048	7.3600e-003	0.1121		516.8384	516.8384	0.0251		517.4665

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	2.0411	24.8071	9.8263	0.0245		1.0772	1.0772		0.9910	0.9910	0.0000	2,424.0790	2,424.0790	0.7670		2,443.2528
Total	2.0411	24.8071	9.8263	0.0245		1.0772	1.0772		0.9910	0.9910	0.0000	2,424.0790	2,424.0790	0.7670		2,443.2528

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0274	0.7952	0.2306	1.7200e-003	0.0447	5.4700e-003	0.0502	0.0129	5.2300e-003	0.0181		186.4486	186.4486	0.0170		186.8731
Worker	0.1441	0.0921	1.0239	3.3100e-003	0.3465	2.3100e-003	0.3488	0.0919	2.1300e-003	0.0940		330.3898	330.3898	8.1400e-003		330.5934
Total	0.1715	0.8873	1.2544	5.0300e-003	0.3912	7.7800e-003	0.3990	0.1048	7.3600e-003	0.1121		516.8384	516.8384	0.0251		517.4665

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8959	22.8403	9.4619	0.0245		0.9753	0.9753		0.8973	0.8973		2,371.3841	2,371.3841	0.7670		2,390.5579
Total	1.8959	22.8403	9.4619	0.0245		0.9753	0.9753		0.8973	0.8973		2,371.3841	2,371.3841	0.7670		2,390.5579

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0234	0.7290	0.2110	1.7000e-003	0.0447	3.8700e-003	0.0486	0.0129	3.7000e-003	0.0166		185.1262	185.1262	0.0161		185.5293
Worker	0.1346	0.0825	0.9379	3.2100e-003	0.3465	2.2900e-003	0.3488	0.0919	2.1100e-003	0.0940		319.8026	319.8026	7.3000e-003		319.9850
Total	0.1580	0.8115	1.1488	4.9100e-003	0.3912	6.1600e-003	0.3974	0.1048	5.8100e-003	0.1106		504.9288	504.9288	0.0234		505.5143

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	1.8959	22.8403	9.4619	0.0245		0.9753	0.9753		0.8973	0.8973	0.0000	2,371.3841	2,371.3841	0.7670		2,390.5579
Total	1.8959	22.8403	9.4619	0.0245		0.9753	0.9753		0.8973	0.8973	0.0000	2,371.3841	2,371.3841	0.7670		2,390.5579

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0234	0.7290	0.2110	1.7000e-003	0.0447	3.8700e-003	0.0486	0.0129	3.7000e-003	0.0166		185.1262	185.1262	0.0161		185.5293
Worker	0.1346	0.0825	0.9379	3.2100e-003	0.3465	2.2900e-003	0.3488	0.0919	2.1100e-003	0.0940		319.8026	319.8026	7.3000e-003		319.9850
Total	0.1580	0.8115	1.1488	4.9100e-003	0.3912	6.1600e-003	0.3974	0.1048	5.8100e-003	0.1106		504.9288	504.9288	0.0234		505.5143

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2831	13.7911	8.5185	0.0180		0.6064	0.6064		0.5625	0.5625		1,669.6702	1,669.6702	0.4956		1,682.0610
Paving	0.1467					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4298	13.7911	8.5185	0.0180		0.6064	0.6064		0.5625	0.5625		1,669.6702	1,669.6702	0.4956		1,682.0610

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0782	0.0479	0.5446	1.8600e-003	0.2012	1.3300e-003	0.2025	0.0534	1.2300e-003	0.0546		185.6918	185.6918	4.2400e-003		185.7977
Total	0.0782	0.0479	0.5446	1.8600e-003	0.2012	1.3300e-003	0.2025	0.0534	1.2300e-003	0.0546		185.6918	185.6918	4.2400e-003		185.7977

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	1.2831	13.7911	8.5185	0.0180		0.6064	0.6064		0.5625	0.5625	0.0000	1,669.6702	1,669.6702	0.4956		1,682.0610
Paving	0.1467					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4298	13.7911	8.5185	0.0180		0.6064	0.6064		0.5625	0.5625	0.0000	1,669.6702	1,669.6702	0.4956		1,682.0610

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0782	0.0479	0.5446	1.8600e-003	0.2012	1.3300e-003	0.2025	0.0534	1.2300e-003	0.0546		185.6918	185.6918	4.2400e-003		185.7977
Total	0.0782	0.0479	0.5446	1.8600e-003	0.2012	1.3300e-003	0.2025	0.0534	1.2300e-003	0.0546		185.6918	185.6918	4.2400e-003		185.7977

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.4971					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3229	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479		375.2641	375.2641	0.0291		375.9904
Total	9.8200	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479		375.2641	375.2641	0.0291		375.9904

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0261	0.0160	0.1815	6.2000e-004	0.0671	4.4000e-004	0.0675	0.0178	4.1000e-004	0.0182		61.8973	61.8973	1.4100e-003		61.9326
Total	0.0261	0.0160	0.1815	6.2000e-004	0.0671	4.4000e-004	0.0675	0.0178	4.1000e-004	0.0182		61.8973	61.8973	1.4100e-003		61.9326

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	9.4971					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3229	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479	0.0000	375.2641	375.2641	0.0291		375.9904
Total	9.8200	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479	0.0000	375.2641	375.2641	0.0291		375.9904

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0261	0.0160	0.1815	6.2000e-004	0.0671	4.4000e-004	0.0675	0.0178	4.1000e-004	0.0182		61.8973	61.8973	1.4100e-003		61.9326
Total	0.0261	0.0160	0.1815	6.2000e-004	0.0671	4.4000e-004	0.0675	0.0178	4.1000e-004	0.0182		61.8973	61.8973	1.4100e-003		61.9326

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, 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	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
Parking Lot	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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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	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
Parking Lot	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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, 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	0.7282	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.4688	4.4688	4.3800e-003	0.0000	4.5783
Unmitigated	0.7282	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.4688	4.4688	4.3800e-003	0.0000	4.5783

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	0.0529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5991					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	0.0762	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137		4.4688	4.4688	4.3800e-003		4.5783
Total	0.7282	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.4688	4.4688	4.3800e-003	0.0000	4.5783

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, 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	0.0529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5991					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	0.0762	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137		4.4688	4.4688	4.3800e-003		4.5783
Total	0.7282	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.4688	4.4688	4.3800e-003	0.0000	4.5783

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Winter

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

320-330 S. Monte Vista (Construction - Unmitigated)
Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	56.00	Space	0.56	22,400.00	0
----- Apartments Mid Rise	30.00	Dwelling Unit	0.23	29,858.00	86

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	9			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

Project Characteristics -

Land Use - Total Project Area is 0.97 acres. Building Area is 0.23 acres, Parking Area is 0.56 acres, and Landscaped Area is 0.18 acres (not modeled).

Construction Phase - Construction Schedule adjusted to meet the 2020 Opening Year.

Off-road Equipment - Hours are based on an 8-hour workday.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Demolition -

Grading -

Architectural Coating - Rule 1113

Vehicle Trips - Construction Run Only.

Woodstoves - Construction Run Only.

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	1.00	10.00
tblConstructionPhase	NumDays	2.00	12.00
tblConstructionPhase	NumDays	100.00	250.00

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	5.00	20.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24NG	6,384.00	0.00
tblEnergyUse	T24E	252.63	0.00
tblEnergyUse	T24NG	7,012.17	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	25.50	0.00
tblFireplaces	NumberNoFireplace	3.00	0.00
tblFireplaces	NumberWood	1.50	0.00
tblGrading	AcresOfGrading	12.00	0.00
tblGrading	AcresOfGrading	10.00	5.00
tblLandUse	LandUseSquareFeet	30,000.00	29,858.00
tblLandUse	LotAcreage	0.50	0.56
tblLandUse	LotAcreage	0.79	0.23
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	13.80	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	DV_TP	11.00	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

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblWater	IndoorWaterUseRate	1,954,620.77	0.00
tblWater	OutdoorWaterUseRate	1,232,260.92	0.00
tblWoodstoves	NumberCatalytic	1.50	0.00
tblWoodstoves	NumberNoncatalytic	1.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, 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	0.7282	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.4688	4.4688	4.3800e-003	0.0000	4.5783
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.7282	0.0288	2.4890	1.3000e-004	0.0000	0.0137	0.0137	0.0000	0.0137	0.0137	0.0000	4.4688	4.4688	4.3800e-003	0.0000	4.5783

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	0.7282	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.4688	4.4688	4.3800e-003	0.0000	4.5783
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.7282	0.0288	2.4890	1.3000e-004	0.0000	0.0137	0.0137	0.0000	0.0137	0.0137	0.0000	4.4688	4.4688	4.3800e-003	0.0000	4.5783

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2019	4/26/2019	5	20	
2	Site Preparation	Site Preparation	4/27/2019	5/10/2019	5	10	
3	Grading	Grading	5/11/2019	5/28/2019	5	12	
4	Building Construction	Building Construction	5/29/2019	5/12/2020	5	250	
5	Paving	Paving	5/13/2020	5/26/2020	5	10	
6	Architectural Coating	Architectural Coating	5/27/2020	6/9/2020	5	20	

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.56

Residential Indoor: 60,462; Residential Outdoor: 20,154; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,344 (Architectural Coating – sqft)

OffRoad Equipment

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	1	8.00	212	0.43
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	78	0.48
Demolition	Crawler Tractors	2	8.00	212	0.43
Grading	Crawler Tractors	2	8.00	212	0.43
Building Construction	Crawler Tractors	2	8.00	212	0.43
Paving	Crawler Tractors	1	8.00	212	0.43

Trips and VMT

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	9.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	31.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	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 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0990	0.0000	0.0990	0.0150	0.0000	0.0150			0.0000			0.0000
Off-Road	2.8172	31.6511	13.1455	0.0305		1.4211	1.4211		1.3258	1.3258		2,992.660 1	2,992.660 1	0.8011		3,012.686 3
Total	2.8172	31.6511	13.1455	0.0305	0.0990	1.4211	1.5201	0.0150	1.3258	1.3407		2,992.660 1	2,992.660 1	0.8011		3,012.686 3

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.7400e-003	0.1334	0.0320	3.5000e-004	7.8400e-003	5.1000e-004	8.3500e-003	2.1500e-003	4.9000e-004	2.6400e-003		38.8158	38.8158	4.0500e-003		38.9171
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	0.0412	0.0270	0.3567	1.1300e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		112.6140	112.6140	2.7700e-003		112.6833
Total	0.0450	0.1604	0.3887	1.4800e-003	0.1196	1.2600e-003	0.1209	0.0318	1.1800e-003	0.0330		151.4298	151.4298	6.8200e-003		151.6003

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					0.0386	0.0000	0.0386	5.8500e-003	0.0000	5.8500e-003			0.0000			0.0000
Off-Road	2.8172	31.6511	13.1455	0.0305		1.4211	1.4211		1.3258	1.3258	0.0000	2,992.6601	2,992.6601	0.8011		3,012.6863
Total	2.8172	31.6511	13.1455	0.0305	0.0386	1.4211	1.4597	5.8500e-003	1.3258	1.3316	0.0000	2,992.6601	2,992.6601	0.8011		3,012.6863

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.7400e-003	0.1334	0.0320	3.5000e-004	7.8400e-003	5.1000e-004	8.3500e-003	2.1500e-003	4.9000e-004	2.6400e-003		38.8158	38.8158	4.0500e-003		38.9171
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	0.0412	0.0270	0.3567	1.1300e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		112.6140	112.6140	2.7700e-003		112.6833
Total	0.0450	0.1604	0.3887	1.4800e-003	0.1196	1.2600e-003	0.1209	0.0318	1.1800e-003	0.0330		151.4298	151.4298	6.8200e-003		151.6003

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.0970	14.5737	4.4177	0.0145		0.5126	0.5126		0.4716	0.4716		1,434.9101	1,434.9101	0.4540		1,446.2599
Total	1.0970	14.5737	4.4177	0.0145	0.5303	0.5126	1.0429	0.0573	0.4716	0.5289		1,434.9101	1,434.9101	0.4540		1,446.2599

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0206	0.0135	0.1784	5.6000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		56.3070	56.3070	1.3800e-003		56.3416
Total	0.0206	0.0135	0.1784	5.6000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		56.3070	56.3070	1.3800e-003		56.3416

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					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	1.0970	14.5737	4.4177	0.0145		0.5126	0.5126		0.4716	0.4716	0.0000	1,434.9101	1,434.9101	0.4540		1,446.2599
Total	1.0970	14.5737	4.4177	0.0145	0.2068	0.5126	0.7194	0.0223	0.4716	0.4939	0.0000	1,434.9101	1,434.9101	0.4540		1,446.2599

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0206	0.0135	0.1784	5.6000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		56.3070	56.3070	1.3800e-003		56.3416
Total	0.0206	0.0135	0.1784	5.6000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		56.3070	56.3070	1.3800e-003		56.3416

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	2.8172	31.6511	13.1455	0.0305		1.4211	1.4211		1.3258	1.3258		2,992.6601	2,992.6601	0.8011		3,012.6863
Total	2.8172	31.6511	13.1455	0.0305	6.0221	1.4211	7.4432	3.3102	1.3258	4.6360		2,992.6601	2,992.6601	0.8011		3,012.6863

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0412	0.0270	0.3567	1.1300e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		112.6140	112.6140	2.7700e-003		112.6833
Total	0.0412	0.0270	0.3567	1.1300e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		112.6140	112.6140	2.7700e-003		112.6833

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					2.3486	0.0000	2.3486	1.2910	0.0000	1.2910			0.0000			0.0000
Off-Road	2.8172	31.6511	13.1455	0.0305		1.4211	1.4211		1.3258	1.3258	0.0000	2,992.660 1	2,992.660 1	0.8011		3,012.686 3
Total	2.8172	31.6511	13.1455	0.0305	2.3486	1.4211	3.7697	1.2910	1.3258	2.6167	0.0000	2,992.660 1	2,992.660 1	0.8011		3,012.686 3

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0412	0.0270	0.3567	1.1300e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		112.6140	112.6140	2.7700e-003		112.6833
Total	0.0412	0.0270	0.3567	1.1300e-003	0.1118	7.5000e-004	0.1125	0.0296	6.9000e-004	0.0303		112.6140	112.6140	2.7700e-003		112.6833

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0411	24.8071	9.8263	0.0245		1.0772	1.0772		0.9910	0.9910		2,424.0790	2,424.0790	0.7670		2,443.2528
Total	2.0411	24.8071	9.8263	0.0245		1.0772	1.0772		0.9910	0.9910		2,424.0790	2,424.0790	0.7670		2,443.2528

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0262	0.7944	0.2100	1.7600e-003	0.0447	5.3700e-003	0.0501	0.0129	5.1300e-003	0.0180		191.0782	191.0782	0.0161		191.4815
Worker	0.1278	0.0838	1.1059	3.5000e-003	0.3465	2.3100e-003	0.3488	0.0919	2.1300e-003	0.0940		349.1035	349.1035	8.5800e-003		349.3181
Total	0.1540	0.8781	1.3159	5.2600e-003	0.3912	7.6800e-003	0.3989	0.1048	7.2600e-003	0.1120		540.1817	540.1817	0.0247		540.7995

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	2.0411	24.8071	9.8263	0.0245		1.0772	1.0772		0.9910	0.9910	0.0000	2,424.0790	2,424.0790	0.7670		2,443.2528
Total	2.0411	24.8071	9.8263	0.0245		1.0772	1.0772		0.9910	0.9910	0.0000	2,424.0790	2,424.0790	0.7670		2,443.2528

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0262	0.7944	0.2100	1.7600e-003	0.0447	5.3700e-003	0.0501	0.0129	5.1300e-003	0.0180		191.0782	191.0782	0.0161		191.4815
Worker	0.1278	0.0838	1.1059	3.5000e-003	0.3465	2.3100e-003	0.3488	0.0919	2.1300e-003	0.0940		349.1035	349.1035	8.5800e-003		349.3181
Total	0.1540	0.8781	1.3159	5.2600e-003	0.3912	7.6800e-003	0.3989	0.1048	7.2600e-003	0.1120		540.1817	540.1817	0.0247		540.7995

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8959	22.8403	9.4619	0.0245		0.9753	0.9753		0.8973	0.8973		2,371.3841	2,371.3841	0.7670		2,390.5579
Total	1.8959	22.8403	9.4619	0.0245		0.9753	0.9753		0.8973	0.8973		2,371.3841	2,371.3841	0.7670		2,390.5579

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0224	0.7292	0.1925	1.7400e-003	0.0447	3.8100e-003	0.0485	0.0129	3.6400e-003	0.0165		189.7903	189.7903	0.0154		190.1740
Worker	0.1191	0.0751	1.0147	3.3900e-003	0.3465	2.2900e-003	0.3488	0.0919	2.1100e-003	0.0940		337.9135	337.9135	7.7000e-003		338.1061
Total	0.1415	0.8043	1.2072	5.1300e-003	0.3912	6.1000e-003	0.3973	0.1048	5.7500e-003	0.1105		527.7038	527.7038	0.0231		528.2801

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	1.8959	22.8403	9.4619	0.0245		0.9753	0.9753		0.8973	0.8973	0.0000	2,371.3841	2,371.3841	0.7670		2,390.5579
Total	1.8959	22.8403	9.4619	0.0245		0.9753	0.9753		0.8973	0.8973	0.0000	2,371.3841	2,371.3841	0.7670		2,390.5579

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0224	0.7292	0.1925	1.7400e-003	0.0447	3.8100e-003	0.0485	0.0129	3.6400e-003	0.0165		189.7903	189.7903	0.0154		190.1740
Worker	0.1191	0.0751	1.0147	3.3900e-003	0.3465	2.2900e-003	0.3488	0.0919	2.1100e-003	0.0940		337.9135	337.9135	7.7000e-003		338.1061
Total	0.1415	0.8043	1.2072	5.1300e-003	0.3912	6.1000e-003	0.3973	0.1048	5.7500e-003	0.1105		527.7038	527.7038	0.0231		528.2801

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2831	13.7911	8.5185	0.0180		0.6064	0.6064		0.5625	0.5625		1,669.6702	1,669.6702	0.4956		1,682.0610
Paving	0.1467					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4298	13.7911	8.5185	0.0180		0.6064	0.6064		0.5625	0.5625		1,669.6702	1,669.6702	0.4956		1,682.0610

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0436	0.5892	1.9700e-003	0.2012	1.3300e-003	0.2025	0.0534	1.2300e-003	0.0546		196.2079	196.2079	4.4700e-003		196.3197
Total	0.0692	0.0436	0.5892	1.9700e-003	0.2012	1.3300e-003	0.2025	0.0534	1.2300e-003	0.0546		196.2079	196.2079	4.4700e-003		196.3197

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	1.2831	13.7911	8.5185	0.0180		0.6064	0.6064		0.5625	0.5625	0.0000	1,669.6702	1,669.6702	0.4956		1,682.0610
Paving	0.1467					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4298	13.7911	8.5185	0.0180		0.6064	0.6064		0.5625	0.5625	0.0000	1,669.6702	1,669.6702	0.4956		1,682.0610

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0436	0.5892	1.9700e-003	0.2012	1.3300e-003	0.2025	0.0534	1.2300e-003	0.0546		196.2079	196.2079	4.4700e-003		196.3197
Total	0.0692	0.0436	0.5892	1.9700e-003	0.2012	1.3300e-003	0.2025	0.0534	1.2300e-003	0.0546		196.2079	196.2079	4.4700e-003		196.3197

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.4971					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3229	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479		375.2641	375.2641	0.0291		375.9904
Total	9.8200	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479		375.2641	375.2641	0.0291		375.9904

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0231	0.0145	0.1964	6.6000e-004	0.0671	4.4000e-004	0.0675	0.0178	4.1000e-004	0.0182		65.4026	65.4026	1.4900e-003		65.4399
Total	0.0231	0.0145	0.1964	6.6000e-004	0.0671	4.4000e-004	0.0675	0.0178	4.1000e-004	0.0182		65.4026	65.4026	1.4900e-003		65.4399

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	9.4971					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3229	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479	0.0000	375.2641	375.2641	0.0291		375.9904
Total	9.8200	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479	0.0000	375.2641	375.2641	0.0291		375.9904

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0231	0.0145	0.1964	6.6000e-004	0.0671	4.4000e-004	0.0675	0.0178	4.1000e-004	0.0182		65.4026	65.4026	1.4900e-003		65.4399
Total	0.0231	0.0145	0.1964	6.6000e-004	0.0671	4.4000e-004	0.0675	0.0178	4.1000e-004	0.0182		65.4026	65.4026	1.4900e-003		65.4399

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, 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	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
Parking Lot	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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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	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
Parking Lot	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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7282	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.4688	4.4688	4.3800e-003	0.0000	4.5783
Unmitigated	0.7282	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.4688	4.4688	4.3800e-003	0.0000	4.5783

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	0.0529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5991					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	0.0762	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137		4.4688	4.4688	4.3800e-003		4.5783
Total	0.7282	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.4688	4.4688	4.3800e-003	0.0000	4.5783

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0529					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5991					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	0.0762	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137		4.4688	4.4688	4.3800e-003		4.5783
Total	0.7282	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.4688	4.4688	4.3800e-003	0.0000	4.5783

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Summer

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

320-330 S. Monte Vista (Construction - Unmitigated)
Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	56.00	Space	0.56	22,400.00	0
----- Apartments Mid Rise	30.00	----- Dwelling Unit	0.23	29,858.00	86

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	9			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

Project Characteristics -

Land Use - Total Project Area is 0.97 acres. Building Area is 0.23 acres, Parking Area is 0.56 acres, and Landscaped Area is 0.18 acres (not modeled).

Construction Phase - Construction Schedule adjusted to meet the 2020 Opening Year.

Off-road Equipment - Hours are based on an 8-hour workday.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes.

Demolition -

Grading -

Architectural Coating - Rule 1113

Vehicle Trips - Construction Run Only.

Woodstoves - Construction Run Only.

Energy Use - Construction Run Only.

Water And Wastewater - Construction Run Only.

Solid Waste - Construction Run Only.

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	1.00	10.00
tblConstructionPhase	NumDays	2.00	12.00
tblConstructionPhase	NumDays	100.00	250.00

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	5.00	20.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24NG	6,384.00	0.00
tblEnergyUse	T24E	252.63	0.00
tblEnergyUse	T24NG	7,012.17	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	25.50	0.00
tblFireplaces	NumberNoFireplace	3.00	0.00
tblFireplaces	NumberWood	1.50	0.00
tblGrading	AcresOfGrading	12.00	0.00
tblGrading	AcresOfGrading	10.00	5.00
tblLandUse	LandUseSquareFeet	30,000.00	29,858.00
tblLandUse	LotAcreage	0.50	0.56
tblLandUse	LotAcreage	0.79	0.23
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	13.80	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	DV_TP	11.00	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

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblWater	IndoorWaterUseRate	1,954,620.77	0.00
tblWater	OutdoorWaterUseRate	1,232,260.92	0.00
tblWoodstoves	NumberCatalytic	1.50	0.00
tblWoodstoves	NumberNoncatalytic	1.50	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2019	6-30-2019	0.9511	0.9511
2	7-1-2019	9-30-2019	0.9161	0.9161
3	10-1-2019	12-31-2019	0.9169	0.9169
4	1-1-2020	3-31-2020	0.8354	0.8354
5	4-1-2020	6-30-2020	0.5224	0.5224
		Highest	0.9511	0.9511

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1285	3.6000e-003	0.3111	2.0000e-005		1.7100e-003	1.7100e-003		1.7100e-003	1.7100e-003	0.0000	0.5068	0.5068	5.0000e-004	0.0000	0.5192
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1285	3.6000e-003	0.3111	2.0000e-005	0.0000	1.7100e-003	1.7100e-003	0.0000	1.7100e-003	1.7100e-003	0.0000	0.5068	0.5068	5.0000e-004	0.0000	0.5192

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1285	3.6000e-003	0.3111	2.0000e-005		1.7100e-003	1.7100e-003		1.7100e-003	1.7100e-003	0.0000	0.5068	0.5068	5.0000e-004	0.0000	0.5192
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1285	3.6000e-003	0.3111	2.0000e-005	0.0000	1.7100e-003	1.7100e-003	0.0000	1.7100e-003	1.7100e-003	0.0000	0.5068	0.5068	5.0000e-004	0.0000	0.5192

	ROG	NOx	CO	SO2	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

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2019	4/26/2019	5	20	
2	Site Preparation	Site Preparation	4/27/2019	5/10/2019	5	10	
3	Grading	Grading	5/11/2019	5/28/2019	5	12	
4	Building Construction	Building Construction	5/29/2019	5/12/2020	5	250	
5	Paving	Paving	5/13/2020	5/26/2020	5	10	
6	Architectural Coating	Architectural Coating	5/27/2020	6/9/2020	5	20	

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.56

Residential Indoor: 60,462; Residential Outdoor: 20,154; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,344 (Architectural Coating – sqft)

OffRoad Equipment

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	1	8.00	212	0.43
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	78	0.48
Demolition	Crawler Tractors	2	8.00	212	0.43
Grading	Crawler Tractors	2	8.00	212	0.43
Building Construction	Crawler Tractors	2	8.00	212	0.43
Paving	Crawler Tractors	1	8.00	212	0.43

Trips and VMT

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	9.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	31.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	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 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.9000e-004	0.0000	9.9000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0282	0.3165	0.1315	3.0000e-004		0.0142	0.0142		0.0133	0.0133	0.0000	27.1490	27.1490	7.2700e-003	0.0000	27.3306
Total	0.0282	0.3165	0.1315	3.0000e-004	9.9000e-004	0.0142	0.0152	1.5000e-004	0.0133	0.0134	0.0000	27.1490	27.1490	7.2700e-003	0.0000	27.3306

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.3800e-003	3.3000e-004	0.0000	8.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3499	0.3499	4.0000e-005	0.0000	0.3509
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	3.0000e-004	3.3800e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9816	0.9816	2.0000e-005	0.0000	0.9822
Total	4.6000e-004	1.6800e-003	3.7100e-003	1.0000e-005	1.1800e-003	2.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.3000e-004	0.0000	1.3316	1.3316	6.0000e-005	0.0000	1.3331

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9000e-004	0.0000	3.9000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0282	0.3165	0.1315	3.0000e-004		0.0142	0.0142		0.0133	0.0133	0.0000	27.1489	27.1489	7.2700e-003	0.0000	27.3306
Total	0.0282	0.3165	0.1315	3.0000e-004	3.9000e-004	0.0142	0.0146	6.0000e-005	0.0133	0.0133	0.0000	27.1489	27.1489	7.2700e-003	0.0000	27.3306

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3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.3800e-003	3.3000e-004	0.0000	8.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3499	0.3499	4.0000e-005	0.0000	0.3509
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	3.0000e-004	3.3800e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9816	0.9816	2.0000e-005	0.0000	0.9822
Total	4.6000e-004	1.6800e-003	3.7100e-003	1.0000e-005	1.1800e-003	2.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.3000e-004	0.0000	1.3316	1.3316	6.0000e-005	0.0000	1.3331

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.6500e-003	0.0000	2.6500e-003	2.9000e-004	0.0000	2.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4900e-003	0.0729	0.0221	7.0000e-005		2.5600e-003	2.5600e-003		2.3600e-003	2.3600e-003	0.0000	6.5086	6.5086	2.0600e-003	0.0000	6.5601
Total	5.4900e-003	0.0729	0.0221	7.0000e-005	2.6500e-003	2.5600e-003	5.2100e-003	2.9000e-004	2.3600e-003	2.6500e-003	0.0000	6.5086	6.5086	2.0600e-003	0.0000	6.5601

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3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	8.0000e-005	8.5000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2454	0.2454	1.0000e-005	0.0000	0.2456
Total	1.0000e-004	8.0000e-005	8.5000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2454	0.2454	1.0000e-005	0.0000	0.2456

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0300e-003	0.0000	1.0300e-003	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4900e-003	0.0729	0.0221	7.0000e-005		2.5600e-003	2.5600e-003		2.3600e-003	2.3600e-003	0.0000	6.5086	6.5086	2.0600e-003	0.0000	6.5601
Total	5.4900e-003	0.0729	0.0221	7.0000e-005	1.0300e-003	2.5600e-003	3.5900e-003	1.1000e-004	2.3600e-003	2.4700e-003	0.0000	6.5086	6.5086	2.0600e-003	0.0000	6.5601

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3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	8.0000e-005	8.5000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2454	0.2454	1.0000e-005	0.0000	0.2456
Total	1.0000e-004	8.0000e-005	8.5000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2454	0.2454	1.0000e-005	0.0000	0.2456

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0361	0.0000	0.0361	0.0199	0.0000	0.0199	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0169	0.1899	0.0789	1.8000e-004		8.5300e-003	8.5300e-003		7.9500e-003	7.9500e-003	0.0000	16.2894	16.2894	4.3600e-003	0.0000	16.3984
Total	0.0169	0.1899	0.0789	1.8000e-004	0.0361	8.5300e-003	0.0447	0.0199	7.9500e-003	0.0278	0.0000	16.2894	16.2894	4.3600e-003	0.0000	16.3984

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3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.8000e-004	2.0300e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5890	0.5890	1.0000e-005	0.0000	0.5893
Total	2.5000e-004	1.8000e-004	2.0300e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5890	0.5890	1.0000e-005	0.0000	0.5893

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0141	0.0000	0.0141	7.7500e-003	0.0000	7.7500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0169	0.1899	0.0789	1.8000e-004		8.5300e-003	8.5300e-003		7.9500e-003	7.9500e-003	0.0000	16.2894	16.2894	4.3600e-003	0.0000	16.3984
Total	0.0169	0.1899	0.0789	1.8000e-004	0.0141	8.5300e-003	0.0226	7.7500e-003	7.9500e-003	0.0157	0.0000	16.2894	16.2894	4.3600e-003	0.0000	16.3984

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3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.8000e-004	2.0300e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5890	0.5890	1.0000e-005	0.0000	0.5893
Total	2.5000e-004	1.8000e-004	2.0300e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5890	0.5890	1.0000e-005	0.0000	0.5893

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1582	1.9226	0.7615	1.9000e-003		0.0835	0.0835		0.0768	0.0768	0.0000	170.4293	170.4293	0.0539	0.0000	171.7773
Total	0.1582	1.9226	0.7615	1.9000e-003		0.0835	0.0835		0.0768	0.0768	0.0000	170.4293	170.4293	0.0539	0.0000	171.7773

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3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0700e-003	0.0628	0.0171	1.3000e-004	3.4200e-003	4.2000e-004	3.8300e-003	9.9000e-004	4.0000e-004	1.3900e-003	0.0000	13.2974	13.2974	1.1600e-003	0.0000	13.3264
Worker	0.0100	7.3200e-003	0.0813	2.6000e-004	0.0264	1.8000e-004	0.0266	7.0000e-003	1.7000e-004	7.1700e-003	0.0000	23.5834	23.5834	5.8000e-004	0.0000	23.5979
Total	0.0121	0.0701	0.0984	3.9000e-004	0.0298	6.0000e-004	0.0304	7.9900e-003	5.7000e-004	8.5600e-003	0.0000	36.8808	36.8808	1.7400e-003	0.0000	36.9243

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1582	1.9226	0.7615	1.9000e-003		0.0835	0.0835		0.0768	0.0768	0.0000	170.4291	170.4291	0.0539	0.0000	171.7771
Total	0.1582	1.9226	0.7615	1.9000e-003		0.0835	0.0835		0.0768	0.0768	0.0000	170.4291	170.4291	0.0539	0.0000	171.7771

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3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0700e-003	0.0628	0.0171	1.3000e-004	3.4200e-003	4.2000e-004	3.8300e-003	9.9000e-004	4.0000e-004	1.3900e-003	0.0000	13.2974	13.2974	1.1600e-003	0.0000	13.3264
Worker	0.0100	7.3200e-003	0.0813	2.6000e-004	0.0264	1.8000e-004	0.0266	7.0000e-003	1.7000e-004	7.1700e-003	0.0000	23.5834	23.5834	5.8000e-004	0.0000	23.5979
Total	0.0121	0.0701	0.0984	3.9000e-004	0.0298	6.0000e-004	0.0304	7.9900e-003	5.7000e-004	8.5600e-003	0.0000	36.8808	36.8808	1.7400e-003	0.0000	36.9243

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0901	1.0849	0.4494	1.1600e-003		0.0463	0.0463		0.0426	0.0426	0.0000	102.1860	102.1860	0.0331	0.0000	103.0122
Total	0.0901	1.0849	0.4494	1.1600e-003		0.0463	0.0463		0.0426	0.0426	0.0000	102.1860	102.1860	0.0331	0.0000	103.0122

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3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0800e-003	0.0353	9.5900e-003	8.0000e-005	2.0900e-003	1.8000e-004	2.2800e-003	6.0000e-004	1.7000e-004	7.8000e-004	0.0000	8.0939	8.0939	6.8000e-004	0.0000	8.1108
Worker	5.7400e-003	4.0200e-003	0.0457	1.5000e-004	0.0162	1.1000e-004	0.0163	4.2900e-003	1.0000e-004	4.3900e-003	0.0000	13.9911	13.9911	3.2000e-004	0.0000	13.9991
Total	6.8200e-003	0.0393	0.0552	2.3000e-004	0.0183	2.9000e-004	0.0186	4.8900e-003	2.7000e-004	5.1700e-003	0.0000	22.0850	22.0850	1.0000e-003	0.0000	22.1099

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0901	1.0849	0.4494	1.1600e-003		0.0463	0.0463		0.0426	0.0426	0.0000	102.1858	102.1858	0.0331	0.0000	103.0121
Total	0.0901	1.0849	0.4494	1.1600e-003		0.0463	0.0463		0.0426	0.0426	0.0000	102.1858	102.1858	0.0331	0.0000	103.0121

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3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0800e-003	0.0353	9.5900e-003	8.0000e-005	2.0900e-003	1.8000e-004	2.2800e-003	6.0000e-004	1.7000e-004	7.8000e-004	0.0000	8.0939	8.0939	6.8000e-004	0.0000	8.1108
Worker	5.7400e-003	4.0200e-003	0.0457	1.5000e-004	0.0162	1.1000e-004	0.0163	4.2900e-003	1.0000e-004	4.3900e-003	0.0000	13.9911	13.9911	3.2000e-004	0.0000	13.9991
Total	6.8200e-003	0.0393	0.0552	2.3000e-004	0.0183	2.9000e-004	0.0186	4.8900e-003	2.7000e-004	5.1700e-003	0.0000	22.0850	22.0850	1.0000e-003	0.0000	22.1099

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4200e-003	0.0690	0.0426	9.0000e-005		3.0300e-003	3.0300e-003		2.8100e-003	2.8100e-003	0.0000	7.5735	7.5735	2.2500e-003	0.0000	7.6297
Paving	7.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.1500e-003	0.0690	0.0426	9.0000e-005		3.0300e-003	3.0300e-003		2.8100e-003	2.8100e-003	0.0000	7.5735	7.5735	2.2500e-003	0.0000	7.6297

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3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.5000e-004	2.7900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8551	0.8551	2.0000e-005	0.0000	0.8556
Total	3.5000e-004	2.5000e-004	2.7900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8551	0.8551	2.0000e-005	0.0000	0.8556

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4200e-003	0.0690	0.0426	9.0000e-005		3.0300e-003	3.0300e-003		2.8100e-003	2.8100e-003	0.0000	7.5735	7.5735	2.2500e-003	0.0000	7.6297
Paving	7.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.1500e-003	0.0690	0.0426	9.0000e-005		3.0300e-003	3.0300e-003		2.8100e-003	2.8100e-003	0.0000	7.5735	7.5735	2.2500e-003	0.0000	7.6297

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.5000e-004	2.7900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8551	0.8551	2.0000e-005	0.0000	0.8556
Total	3.5000e-004	2.5000e-004	2.7900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8551	0.8551	2.0000e-005	0.0000	0.8556

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0475					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6100e-003	0.0112	0.0122	2.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	1.7022	1.7022	1.3000e-004	0.0000	1.7055
Total	0.0491	0.0112	0.0122	2.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	1.7022	1.7022	1.3000e-004	0.0000	1.7055

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	8.0000e-005	9.3000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2851	0.2851	1.0000e-005	0.0000	0.2852
Total	1.2000e-004	8.0000e-005	9.3000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2851	0.2851	1.0000e-005	0.0000	0.2852

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0475					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6100e-003	0.0112	0.0122	2.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	1.7022	1.7022	1.3000e-004	0.0000	1.7055
Total	0.0491	0.0112	0.0122	2.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	1.7022	1.7022	1.3000e-004	0.0000	1.7055

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	8.0000e-005	9.3000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2851	0.2851	1.0000e-005	0.0000	0.2852
Total	1.2000e-004	8.0000e-005	9.3000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2851	0.2851	1.0000e-005	0.0000	0.2852

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1285	3.6000e-003	0.3111	2.0000e-005		1.7100e-003	1.7100e-003		1.7100e-003	1.7100e-003	0.0000	0.5068	0.5068	5.0000e-004	0.0000	0.5192
Unmitigated	0.1285	3.6000e-003	0.3111	2.0000e-005		1.7100e-003	1.7100e-003		1.7100e-003	1.7100e-003	0.0000	0.5068	0.5068	5.0000e-004	0.0000	0.5192

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.6500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1093					0.0000	0.0000		0.0000	0.0000	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	9.5200e-003	3.6000e-003	0.3111	2.0000e-005		1.7100e-003	1.7100e-003		1.7100e-003	1.7100e-003	0.0000	0.5068	0.5068	5.0000e-004	0.0000	0.5192
Total	0.1285	3.6000e-003	0.3111	2.0000e-005		1.7100e-003	1.7100e-003		1.7100e-003	1.7100e-003	0.0000	0.5068	0.5068	5.0000e-004	0.0000	0.5192

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.6500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1093					0.0000	0.0000		0.0000	0.0000	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	9.5200e-003	3.6000e-003	0.3111	2.0000e-005		1.7100e-003	1.7100e-003		1.7100e-003	1.7100e-003	0.0000	0.5068	0.5068	5.0000e-004	0.0000	0.5192
Total	0.1285	3.6000e-003	0.3111	2.0000e-005		1.7100e-003	1.7100e-003		1.7100e-003	1.7100e-003	0.0000	0.5068	0.5068	5.0000e-004	0.0000	0.5192

7.0 Water Detail

7.1 Mitigation Measures Water

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

320-330 S. Monte Vista (Construction - Unmitigated) - Orange County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

320-330 S. Monte Vista (Operations) - Orange County, Winter

320-330 S. Monte Vista (Operations)
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	56.00	Space	0.56	23,557.77	0
----- Apartments Mid Rise	30.00	----- Dwelling Unit	0.23	29,858.00	86

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	9			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Project Area is 0.97 acres. Building Area is 0.23 acres, Parking Area is 0.56 acres, and Landscaped Area is 0.18 acres (not modeled).

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Operations Run Only.

Woodstoves - Operations Run Only.

320-330 S. Monte Vista (Operations) - Orange County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	1.00
tblFireplaces	NumberGas	25.50	30.00
tblFireplaces	NumberNoFireplace	3.00	0.00
tblFireplaces	NumberWood	1.50	0.00
tblLandUse	LandUseSquareFeet	22,400.00	23,557.77
tblLandUse	LandUseSquareFeet	30,000.00	29,858.00
tblLandUse	LotAcreage	0.50	0.56
tblLandUse	LotAcreage	0.79	0.23
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblVehicleTrips	ST_TR	6.39	4.91
tblVehicleTrips	SU_TR	5.86	4.09
tblVehicleTrips	WD_TR	6.65	5.44
tblWoodstoves	NumberCatalytic	1.50	0.00
tblWoodstoves	NumberNoncatalytic	1.50	0.00

2.0 Emissions Summary

320-330 S. Monte Vista (Operations) - Orange County, 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	0.7869	0.5264	2.7008	3.3100e-003		0.0539	0.0539		0.0539	0.0539	0.0000	639.7629	639.7629	0.0166	0.0117	643.6476
Energy	0.0119	0.1015	0.0432	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003		129.5359	129.5359	2.4800e-003	2.3700e-003	130.3057
Mobile	0.2751	1.1829	3.6420	0.0132	1.1829	0.0135	1.1964	0.3163	0.0127	0.3290		1,334.7807	1,334.7807	0.0579		1,336.2275
Total	1.0739	1.8108	6.3860	0.0171	1.1829	0.0756	1.2585	0.3163	0.0748	0.3911	0.0000	2,104.0796	2,104.0796	0.0769	0.0140	2,110.1808

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	0.7869	0.5264	2.7008	3.3100e-003		0.0539	0.0539		0.0539	0.0539	0.0000	639.7629	639.7629	0.0166	0.0117	643.6476
Energy	0.0119	0.1015	0.0432	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003		129.5359	129.5359	2.4800e-003	2.3700e-003	130.3057
Mobile	0.2751	1.1829	3.6420	0.0132	1.1829	0.0135	1.1964	0.3163	0.0127	0.3290		1,334.7807	1,334.7807	0.0579		1,336.2275
Total	1.0739	1.8108	6.3860	0.0171	1.1829	0.0756	1.2585	0.3163	0.0748	0.3911	0.0000	2,104.0796	2,104.0796	0.0769	0.0140	2,110.1808

320-330 S. Monte Vista (Operations) - Orange County, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2019	4/1/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.56

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
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37

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
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

320-330 S. Monte Vista (Operations) - Orange County, Winter

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

320-330 S. Monte Vista (Operations) - Orange County, Winter

3.2 Demolition - 2019

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

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
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

320-330 S. Monte Vista (Operations) - Orange County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2751	1.1829	3.6420	0.0132	1.1829	0.0135	1.1964	0.3163	0.0127	0.3290		1,334.7807	1,334.7807	0.0579		1,336.2275
Unmitigated	0.2751	1.1829	3.6420	0.0132	1.1829	0.0135	1.1964	0.3163	0.0127	0.3290		1,334.7807	1,334.7807	0.0579		1,336.2275

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	163.20	147.30	122.70	530,147	530,147
Parking Lot	0.00	0.00	0.00		
Total	163.20	147.30	122.70	530,147	530,147

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
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

320-330 S. Monte Vista (Operations) - Orange County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0119	0.1015	0.0432	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003		129.5359	129.5359	2.4800e-003	2.3700e-003	130.3057
NaturalGas Unmitigated	0.0119	0.1015	0.0432	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003		129.5359	129.5359	2.4800e-003	2.3700e-003	130.3057

320-330 S. Monte Vista (Operations) - Orange County, 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	1101.06	0.0119	0.1015	0.0432	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003		129.5359	129.5359	2.4800e-003	2.3700e-003	130.3057
Parking Lot	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
Total		0.0119	0.1015	0.0432	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003		129.5359	129.5359	2.4800e-003	2.3700e-003	130.3057

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	1.10106	0.0119	0.1015	0.0432	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003		129.5359	129.5359	2.4800e-003	2.3700e-003	130.3057
Parking Lot	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
Total		0.0119	0.1015	0.0432	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003		129.5359	129.5359	2.4800e-003	2.3700e-003	130.3057

6.0 Area Detail

6.1 Mitigation Measures Area

320-330 S. Monte Vista (Operations) - Orange County, 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	0.7869	0.5264	2.7008	3.3100e-003		0.0539	0.0539		0.0539	0.0539	0.0000	639.7629	639.7629	0.0166	0.0117	643.6476
Unmitigated	0.7869	0.5264	2.7008	3.3100e-003		0.0539	0.0539		0.0539	0.0539	0.0000	639.7629	639.7629	0.0166	0.0117	643.6476

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	0.0530					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5995					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0582	0.4977	0.2118	3.1800e-003		0.0402	0.0402		0.0402	0.0402	0.0000	635.2941	635.2941	0.0122	0.0117	639.0694
Landscaping	0.0762	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137		4.4688	4.4688	4.3800e-003		4.5783
Total	0.7869	0.5264	2.7008	3.3100e-003		0.0539	0.0539		0.0539	0.0539	0.0000	639.7630	639.7630	0.0166	0.0117	643.6476

320-330 S. Monte Vista (Operations) - Orange County, 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	0.0530					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5995					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0582	0.4977	0.2118	3.1800e-003		0.0402	0.0402		0.0402	0.0402	0.0000	635.2941	635.2941	0.0122	0.0117	639.0694
Landscaping	0.0762	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137		4.4688	4.4688	4.3800e-003		4.5783
Total	0.7869	0.5264	2.7008	3.3100e-003		0.0539	0.0539		0.0539	0.0539	0.0000	639.7630	639.7630	0.0166	0.0117	643.6476

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

320-330 S. Monte Vista (Operations) - Orange County, Winter

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

320-330 S. Monte Vista (Operations) - Orange County, Summer

320-330 S. Monte Vista (Operations)
Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	56.00	Space	0.56	23,557.77	0
----- Apartments Mid Rise	30.00	----- Dwelling Unit	0.23	29,858.00	86

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	9			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Project Area is 0.97 acres. Building Area is 0.23 acres, Parking Area is 0.56 acres, and Landscaped Area is 0.18 acres (not modeled).

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Operations Run Only.

Woodstoves - Operations Run Only.

320-330 S. Monte Vista (Operations) - Orange County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	1.00
tblFireplaces	NumberGas	25.50	30.00
tblFireplaces	NumberNoFireplace	3.00	0.00
tblFireplaces	NumberWood	1.50	0.00
tblLandUse	LandUseSquareFeet	22,400.00	23,557.77
tblLandUse	LandUseSquareFeet	30,000.00	29,858.00
tblLandUse	LotAcreage	0.50	0.56
tblLandUse	LotAcreage	0.79	0.23
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblVehicleTrips	ST_TR	6.39	4.91
tblVehicleTrips	SU_TR	5.86	4.09
tblVehicleTrips	WD_TR	6.65	5.44
tblWoodstoves	NumberCatalytic	1.50	0.00
tblWoodstoves	NumberNoncatalytic	1.50	0.00

2.0 Emissions Summary

320-330 S. Monte Vista (Operations) - Orange County, 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	0.7869	0.5264	2.7008	3.3100e-003		0.0539	0.0539		0.0539	0.0539	0.0000	639.7629	639.7629	0.0166	0.0117	643.6476
Energy	0.0119	0.1015	0.0432	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003		129.5359	129.5359	2.4800e-003	2.3700e-003	130.3057
Mobile	0.2793	1.1463	3.8099	0.0138	1.1829	0.0134	1.1963	0.3163	0.0126	0.3289		1,397.1973	1,397.1973	0.0582		1,398.6519
Total	1.0781	1.7742	6.5539	0.0177	1.1829	0.0756	1.2584	0.3163	0.0747	0.3910	0.0000	2,166.4961	2,166.4961	0.0772	0.0140	2,172.6052

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	0.7869	0.5264	2.7008	3.3100e-003		0.0539	0.0539		0.0539	0.0539	0.0000	639.7629	639.7629	0.0166	0.0117	643.6476
Energy	0.0119	0.1015	0.0432	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003		129.5359	129.5359	2.4800e-003	2.3700e-003	130.3057
Mobile	0.2793	1.1463	3.8099	0.0138	1.1829	0.0134	1.1963	0.3163	0.0126	0.3289		1,397.1973	1,397.1973	0.0582		1,398.6519
Total	1.0781	1.7742	6.5539	0.0177	1.1829	0.0756	1.2584	0.3163	0.0747	0.3910	0.0000	2,166.4961	2,166.4961	0.0772	0.0140	2,172.6052

320-330 S. Monte Vista (Operations) - Orange County, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2019	4/1/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.56

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
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37

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
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

320-330 S. Monte Vista (Operations) - Orange County, Summer

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

320-330 S. Monte Vista (Operations) - Orange County, Summer

3.2 Demolition - 2019

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

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
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

320-330 S. Monte Vista (Operations) - Orange County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2793	1.1463	3.8099	0.0138	1.1829	0.0134	1.1963	0.3163	0.0126	0.3289		1,397.1973	1,397.1973	0.0582		1,398.6519
Unmitigated	0.2793	1.1463	3.8099	0.0138	1.1829	0.0134	1.1963	0.3163	0.0126	0.3289		1,397.1973	1,397.1973	0.0582		1,398.6519

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	163.20	147.30	122.70	530,147	530,147
Parking Lot	0.00	0.00	0.00		
Total	163.20	147.30	122.70	530,147	530,147

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
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

320-330 S. Monte Vista (Operations) - Orange County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0119	0.1015	0.0432	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003		129.5359	129.5359	2.4800e-003	2.3700e-003	130.3057
NaturalGas Unmitigated	0.0119	0.1015	0.0432	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003		129.5359	129.5359	2.4800e-003	2.3700e-003	130.3057

320-330 S. Monte Vista (Operations) - Orange County, Summer

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1101.06	0.0119	0.1015	0.0432	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003		129.5359	129.5359	2.4800e-003	2.3700e-003	130.3057
Parking Lot	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
Total		0.0119	0.1015	0.0432	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003		129.5359	129.5359	2.4800e-003	2.3700e-003	130.3057

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1.10106	0.0119	0.1015	0.0432	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003		129.5359	129.5359	2.4800e-003	2.3700e-003	130.3057
Parking Lot	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
Total		0.0119	0.1015	0.0432	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003		129.5359	129.5359	2.4800e-003	2.3700e-003	130.3057

6.0 Area Detail

6.1 Mitigation Measures Area

320-330 S. Monte Vista (Operations) - Orange County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7869	0.5264	2.7008	3.3100e-003		0.0539	0.0539		0.0539	0.0539	0.0000	639.7629	639.7629	0.0166	0.0117	643.6476
Unmitigated	0.7869	0.5264	2.7008	3.3100e-003		0.0539	0.0539		0.0539	0.0539	0.0000	639.7629	639.7629	0.0166	0.0117	643.6476

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	0.0530					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5995					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0582	0.4977	0.2118	3.1800e-003		0.0402	0.0402		0.0402	0.0402	0.0000	635.2941	635.2941	0.0122	0.0117	639.0694
Landscaping	0.0762	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137		4.4688	4.4688	4.3800e-003		4.5783
Total	0.7869	0.5264	2.7008	3.3100e-003		0.0539	0.0539		0.0539	0.0539	0.0000	639.7630	639.7630	0.0166	0.0117	643.6476

320-330 S. Monte Vista (Operations) - Orange County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0530					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5995					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0582	0.4977	0.2118	3.1800e-003		0.0402	0.0402		0.0402	0.0402	0.0000	635.2941	635.2941	0.0122	0.0117	639.0694
Landscaping	0.0762	0.0288	2.4890	1.3000e-004		0.0137	0.0137		0.0137	0.0137		4.4688	4.4688	4.3800e-003		4.5783
Total	0.7869	0.5264	2.7008	3.3100e-003		0.0539	0.0539		0.0539	0.0539	0.0000	639.7630	639.7630	0.0166	0.0117	643.6476

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

320-330 S. Monte Vista (Operations) - Orange County, Summer

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

320-330 S. Monte Vista (Operations) - Orange County, Annual

320-330 S. Monte Vista (Operations)
Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	56.00	Space	0.56	23,557.77	0
----- Apartments Mid Rise	30.00	----- Dwelling Unit	0.23	29,858.00	86

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	9			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Project Area is 0.97 acres. Building Area is 0.23 acres, Parking Area is 0.56 acres, and Landscaped Area is 0.18 acres (not modeled).

Construction Phase - Operations Run Only.

Off-road Equipment - Operations Run Only.

Trips and VMT - Operations Run Only.

Vehicle Trips - Operations Run Only.

Woodstoves - Operations Run Only.

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	1.00
tblFireplaces	NumberGas	25.50	30.00
tblFireplaces	NumberNoFireplace	3.00	0.00
tblFireplaces	NumberWood	1.50	0.00
tblLandUse	LandUseSquareFeet	22,400.00	23,557.77
tblLandUse	LandUseSquareFeet	30,000.00	29,858.00
tblLandUse	LotAcreage	0.50	0.56
tblLandUse	LotAcreage	0.79	0.23
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblVehicleTrips	ST_TR	6.39	4.91
tblVehicleTrips	SU_TR	5.86	4.09
tblVehicleTrips	WD_TR	6.65	5.44
tblWoodstoves	NumberCatalytic	1.50	0.00
tblWoodstoves	NumberNoncatalytic	1.50	0.00

2.0 Emissions Summary

320-330 S. Monte Vista (Operations) - Orange County, Annual

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1293	9.8200e-003	0.3138	6.0000e-005		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	7.7109	7.7109	6.3000e-004	1.3000e-004	7.7661
Energy	2.1700e-003	0.0185	7.8800e-003	1.2000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	62.7682	62.7682	2.1200e-003	7.5000e-004	63.0435
Mobile	0.0463	0.2083	0.6388	2.3000e-003	0.2011	2.3300e-003	0.2034	0.0538	2.1800e-003	0.0560	0.0000	212.0669	212.0669	9.0600e-003	0.0000	212.2935
Waste						0.0000	0.0000		0.0000	0.0000	2.8013	0.0000	2.8013	0.1656	0.0000	6.9400
Water						0.0000	0.0000		0.0000	0.0000	0.6201	12.4713	13.0914	0.0642	1.6100e-003	15.1765
Total	0.1778	0.2366	0.9604	2.4800e-003	0.2011	6.0400e-003	0.2071	0.0538	5.8900e-003	0.0597	3.4214	295.0173	298.4387	0.2416	2.4900e-003	305.2197

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1293	9.8200e-003	0.3138	6.0000e-005		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	7.7109	7.7109	6.3000e-004	1.3000e-004	7.7661
Energy	2.1700e-003	0.0185	7.8800e-003	1.2000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	62.7682	62.7682	2.1200e-003	7.5000e-004	63.0435
Mobile	0.0463	0.2083	0.6388	2.3000e-003	0.2011	2.3300e-003	0.2034	0.0538	2.1800e-003	0.0560	0.0000	212.0669	212.0669	9.0600e-003	0.0000	212.2935
Waste						0.0000	0.0000		0.0000	0.0000	2.8013	0.0000	2.8013	0.1656	0.0000	6.9400
Water						0.0000	0.0000		0.0000	0.0000	0.6201	12.4713	13.0914	0.0642	1.6100e-003	15.1765
Total	0.1778	0.2366	0.9604	2.4800e-003	0.2011	6.0400e-003	0.2071	0.0538	5.8900e-003	0.0597	3.4214	295.0173	298.4387	0.2416	2.4900e-003	305.2197

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2019	4/1/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 0.56

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
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37

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
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0463	0.2083	0.6388	2.3000e-003	0.2011	2.3300e-003	0.2034	0.0538	2.1800e-003	0.0560	0.0000	212.0669	212.0669	9.0600e-003	0.0000	212.2935
Unmitigated	0.0463	0.2083	0.6388	2.3000e-003	0.2011	2.3300e-003	0.2034	0.0538	2.1800e-003	0.0560	0.0000	212.0669	212.0669	9.0600e-003	0.0000	212.2935

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	163.20	147.30	122.70	530,147	530,147
Parking Lot	0.00	0.00	0.00		
Total	163.20	147.30	122.70	530,147	530,147

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
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002
Parking Lot	0.555968	0.043848	0.210359	0.116378	0.016765	0.005795	0.025008	0.016160	0.001677	0.001586	0.004867	0.000586	0.001002

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	41.3221	41.3221	1.7100e-003	3.5000e-004	41.4700
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	41.3221	41.3221	1.7100e-003	3.5000e-004	41.4700
NaturalGas Mitigated	2.1700e-003	0.0185	7.8800e-003	1.2000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	21.4461	21.4461	4.1000e-004	3.9000e-004	21.5736
NaturalGas Unmitigated	2.1700e-003	0.0185	7.8800e-003	1.2000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	21.4461	21.4461	4.1000e-004	3.9000e-004	21.5736

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	401885	2.1700e-003	0.0185	7.8800e-003	1.2000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	21.4461	21.4461	4.1000e-004	3.9000e-004	21.5736
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.1700e-003	0.0185	7.8800e-003	1.2000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	21.4461	21.4461	4.1000e-004	3.9000e-004	21.5736

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	401885	2.1700e-003	0.0185	7.8800e-003	1.2000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	21.4461	21.4461	4.1000e-004	3.9000e-004	21.5736
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.1700e-003	0.0185	7.8800e-003	1.2000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	21.4461	21.4461	4.1000e-004	3.9000e-004	21.5736

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	121445	38.6950	1.6000e-003	3.3000e-004	38.8334
Parking Lot	8245.22	2.6271	1.1000e-004	2.0000e-005	2.6365
Total		41.3221	1.7100e-003	3.5000e-004	41.4699

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	121445	38.6950	1.6000e-003	3.3000e-004	38.8334
Parking Lot	8245.22	2.6271	1.1000e-004	2.0000e-005	2.6365
Total		41.3221	1.7100e-003	3.5000e-004	41.4699

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1293	9.8200e-003	0.3138	6.0000e-005		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	7.7109	7.7109	6.3000e-004	1.3000e-004	7.7661
Unmitigated	0.1293	9.8200e-003	0.3138	6.0000e-005		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	7.7109	7.7109	6.3000e-004	1.3000e-004	7.7661

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.6700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1094					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	7.3000e-004	6.2200e-003	2.6500e-003	4.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	7.2041	7.2041	1.4000e-004	1.3000e-004	7.2469
Landscaping	9.5200e-003	3.6000e-003	0.3111	2.0000e-005		1.7100e-003	1.7100e-003		1.7100e-003	1.7100e-003	0.0000	0.5068	0.5068	5.0000e-004	0.0000	0.5192
Total	0.1293	9.8200e-003	0.3138	6.0000e-005		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	7.7109	7.7109	6.4000e-004	1.3000e-004	7.7661

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.6700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1094					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	7.3000e-004	6.2200e-003	2.6500e-003	4.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	7.2041	7.2041	1.4000e-004	1.3000e-004	7.2469
Landscaping	9.5200e-003	3.6000e-003	0.3111	2.0000e-005		1.7100e-003	1.7100e-003		1.7100e-003	1.7100e-003	0.0000	0.5068	0.5068	5.0000e-004	0.0000	0.5192
Total	0.1293	9.8200e-003	0.3138	6.0000e-005		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	7.7109	7.7109	6.4000e-004	1.3000e-004	7.7661

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.0914	0.0642	1.6100e-003	15.1765
Unmitigated	13.0914	0.0642	1.6100e-003	15.1765

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1.95462 / 1.23226	13.0914	0.0642	1.6100e-003	15.1765
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		13.0914	0.0642	1.6100e-003	15.1765

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1.95462 / 1.23226	13.0914	0.0642	1.6100e-003	15.1765
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		13.0914	0.0642	1.6100e-003	15.1765

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.8013	0.1656	0.0000	6.9400
Unmitigated	2.8013	0.1656	0.0000	6.9400

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	13.8	2.8013	0.1656	0.0000	6.9400
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		2.8013	0.1656	0.0000	6.9400

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	13.8	2.8013	0.1656	0.0000	6.9400
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		2.8013	0.1656	0.0000	6.9400

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation
