

8141 Van Nuys - Existing Building - Los Angeles-South Coast County, Annual

8141 Van Nuys - Existing Building
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	194.00	Dwelling Unit	1.00	169,901.00	555
High Turnover (Sit Down Restaurant)	9.53	1000sqft	0.00	9,533.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2020
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant Info. Operational analysis only.

Land Use - Applicant Info

Construction Phase - No construction

Off-road Equipment - No construction

Trips and VMT - No construction

Woodstoves - No hearths

Energy Use -

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	1.00
tblConstructionPhase	PhaseEndDate	8/7/2020	7/27/2020
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	164.90	0.00
tblFireplaces	NumberNoFireplace	19.40	0.00
tblFireplaces	NumberWood	9.70	0.00
tblLandUse	LandUseSquareFeet	194,000.00	169,901.00
tblLandUse	LotAcreage	3.13	1.00
tblLandUse	LotAcreage	0.22	0.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblWoodstoves	NumberCatalytic	9.70	0.00
tblWoodstoves	NumberNoncatalytic	9.70	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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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	0.7671	0.0232	2.0074	1.1000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	3.2683	3.2683	3.1900e-003	0.0000	3.3480
Energy	0.0234	0.2060	0.1323	1.2700e-003		0.0161	0.0161		0.0161	0.0161	0.0000	903.4029	903.4029	0.0203	7.5200e-003	906.1519
Mobile	0.6271	2.9998	7.3750	0.0225	1.7173	0.0235	1.7409	0.4604	0.0221	0.4824	0.0000	2,076.4167	2,076.4167	0.1221	0.0000	2,079.4688
Waste						0.0000	0.0000		0.0000	0.0000	41.1361	0.0000	41.1361	2.4311	0.0000	101.9130
Water						0.0000	0.0000		0.0000	0.0000	4.9278	163.0962	168.0240	0.5100	0.0128	184.5724
Total	1.4176	3.2290	9.5148	0.0239	1.7173	0.0507	1.7680	0.4604	0.0492	0.5096	46.0639	3,146.1841	3,192.2480	3.0866	0.0203	3,275.4541

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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	0.7671	0.0232	2.0074	1.1000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	3.2683	3.2683	3.1900e-003	0.0000	3.3480
Energy	0.0234	0.2060	0.1323	1.2700e-003		0.0161	0.0161		0.0161	0.0161	0.0000	903.4029	903.4029	0.0203	7.5200e-003	906.1519
Mobile	0.6271	2.9998	7.3750	0.0225	1.7173	0.0235	1.7409	0.4604	0.0221	0.4824	0.0000	2,076.4167	2,076.4167	0.1221	0.0000	2,079.4688
Waste						0.0000	0.0000		0.0000	0.0000	41.1361	0.0000	41.1361	2.4311	0.0000	101.9130
Water						0.0000	0.0000		0.0000	0.0000	4.9278	163.0962	168.0240	0.5100	0.0128	184.5724
Total	1.4176	3.2290	9.5148	0.0239	1.7173	0.0507	1.7680	0.4604	0.0492	0.5096	46.0639	3,146.1841	3,192.2480	3.0866	0.0203	3,275.4541

	ROG	NOx	CO	SO2	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	7/27/2020	7/27/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	1	0.00	0	0.00

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	1	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6271	2.9998	7.3750	0.0225	1.7173	0.0235	1.7409	0.4604	0.0221	0.4824	0.0000	2,076.4167	2,076.4167	0.1221	0.0000	2,079.4688
Unmitigated	0.6271	2.9998	7.3750	0.0225	1.7173	0.0235	1.7409	0.4604	0.0221	0.4824	0.0000	2,076.4167	2,076.4167	0.1221	0.0000	2,079.4688

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	814.80	966.12	708.10	2,806,077	2,806,077
High Turnover (Sit Down Restaurant)	1,212.12	1,509.74	1256.83	1,718,564	1,718,564
Total	2,026.92	2,475.86	1,964.93	4,524,641	4,524,641

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 High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
High Turnover (Sit Down Restaurant)	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	672.3589	672.3589	0.0159	3.2900e-003	673.7349
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	672.3589	672.3589	0.0159	3.2900e-003	673.7349
NaturalGas Mitigated	0.0234	0.2060	0.1323	1.2700e-003		0.0161	0.0161		0.0161	0.0161	0.0000	231.0441	231.0441	4.4300e-003	4.2400e-003	232.4170
NaturalGas Unmitigated	0.0234	0.2060	0.1323	1.2700e-003		0.0161	0.0161		0.0161	0.0161	0.0000	231.0441	231.0441	4.4300e-003	4.2400e-003	232.4170

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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 High Rise	2.12977e+006	0.0115	0.0981	0.0418	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	113.6525	113.6525	2.1800e-003	2.0800e-003	114.3279
High Turnover (Sit Down Restaurant)	2.19984e+006	0.0119	0.1078	0.0906	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003	0.0000	117.3916	117.3916	2.2500e-003	2.1500e-003	118.0892
Total		0.0233	0.2060	0.1323	1.2800e-003		0.0161	0.0161		0.0161	0.0161	0.0000	231.0441	231.0441	4.4300e-003	4.2300e-003	232.4170

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 High Rise	2.12977e+006	0.0115	0.0981	0.0418	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	113.6525	113.6525	2.1800e-003	2.0800e-003	114.3279
High Turnover (Sit Down Restaurant)	2.19984e+006	0.0119	0.1078	0.0906	6.5000e-004		8.2000e-003	8.2000e-003		8.2000e-003	8.2000e-003	0.0000	117.3916	117.3916	2.2500e-003	2.1500e-003	118.0892
Total		0.0233	0.2060	0.1323	1.2800e-003		0.0161	0.0161		0.0161	0.0161	0.0000	231.0441	231.0441	4.4300e-003	4.2300e-003	232.4170

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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 High Rise	786404	437.9969	0.0103	2.1400e-003	438.8933
High Turnover (Sit Down Restaurant)	420787	234.3620	5.5400e-003	1.1500e-003	234.8416
Total		672.3589	0.0159	3.2900e-003	673.7349

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	786404	437.9969	0.0103	2.1400e-003	438.8933
High Turnover (Sit Down Restaurant)	420787	234.3620	5.5400e-003	1.1500e-003	234.8416
Total		672.3589	0.0159	3.2900e-003	673.7349

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	0.7671	0.0232	2.0074	1.1000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	3.2683	3.2683	3.1900e-003	0.0000	3.3480
Unmitigated	0.7671	0.0232	2.0074	1.1000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	3.2683	3.2683	3.1900e-003	0.0000	3.3480

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0576					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6484					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	0.0611	0.0232	2.0074	1.1000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	3.2683	3.2683	3.1900e-003	0.0000	3.3480
Total	0.7671	0.0232	2.0074	1.1000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	3.2683	3.2683	3.1900e-003	0.0000	3.3480

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0576					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6484					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	0.0611	0.0232	2.0074	1.1000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	3.2683	3.2683	3.1900e-003	0.0000	3.3480
Total	0.7671	0.0232	2.0074	1.1000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	3.2683	3.2683	3.1900e-003	0.0000	3.3480

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	168.0240	0.5100	0.0128	184.5724
Unmitigated	168.0240	0.5100	0.0128	184.5724

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	12.6399 / 7.96862	144.9855	0.4152	0.0104	158.4689
High Turnover (Sit Down Restaurant)	2.89268 / 0.184639	23.0385	0.0948	2.3300e-003	26.1034
Total		168.0240	0.5100	0.0127	184.5723

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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 High Rise	12.6399 / 7.96862	144.9855	0.4152	0.0104	158.4689
High Turnover (Sit Down Restaurant)	2.89268 / 0.184639	23.0385	0.0948	2.3300e-003	26.1034
Total		168.0240	0.5100	0.0127	184.5723

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	41.1361	2.4311	0.0000	101.9130
Unmitigated	41.1361	2.4311	0.0000	101.9130

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	89.24	18.1149	1.0706	0.0000	44.8789
High Turnover (Sit Down Restaurant)	113.41	23.0212	1.3605	0.0000	57.0341
Total		41.1361	2.4311	0.0000	101.9130

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	89.24	18.1149	1.0706	0.0000	44.8789
High Turnover (Sit Down Restaurant)	113.41	23.0212	1.3605	0.0000	57.0341
Total		41.1361	2.4311	0.0000	101.9130

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

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	194.00	Dwelling Unit	1.00	169,901.00	555
High Turnover (Sit Down Restaurant)	9.53	1000sqft	0.00	9,533.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2020
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant Info. Operational analysis only.

Land Use - Applicant Info

Construction Phase - No construction

Off-road Equipment - No construction

Trips and VMT - No construction

Woodstoves - No hearths

Energy Use -

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	1.00
tblConstructionPhase	PhaseEndDate	8/7/2020	7/27/2020
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	164.90	0.00
tblFireplaces	NumberNoFireplace	19.40	0.00
tblFireplaces	NumberWood	9.70	0.00
tblLandUse	LandUseSquareFeet	194,000.00	169,901.00
tblLandUse	LotAcreage	3.13	1.00
tblLandUse	LotAcreage	0.22	0.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblWoodstoves	NumberCatalytic	9.70	0.00
tblWoodstoves	NumberNoncatalytic	9.70	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.3574	0.1857	16.0594	8.5000e-004		0.0883	0.0883		0.0883	0.0883	0.0000	28.8212	28.8212	0.0281	0.0000	29.5239
Energy	0.1279	1.1286	0.7252	6.9800e-003		0.0884	0.0884		0.0884	0.0884		1,395.5204	1,395.5204	0.0268	0.0256	1,403.8133
Mobile	4.3317	18.8404	49.1034	0.1520	11.3956	0.1529	11.5485	3.0500	0.1434	3.1933		15,446.6563	15,446.6563	0.8786		15,468.6209
Total	8.8170	20.1548	65.8880	0.1598	11.3956	0.3296	11.7252	3.0500	0.3200	3.3700	0.0000	16,870.9979	16,870.9979	0.9334	0.0256	16,901.9581

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.3574	0.1857	16.0594	8.5000e-004		0.0883	0.0883		0.0883	0.0883	0.0000	28.8212	28.8212	0.0281	0.0000	29.5239
Energy	0.1279	1.1286	0.7252	6.9800e-003		0.0884	0.0884		0.0884	0.0884		1,395.5204	1,395.5204	0.0268	0.0256	1,403.8133
Mobile	4.3317	18.8404	49.1034	0.1520	11.3956	0.1529	11.5485	3.0500	0.1434	3.1933		15,446.6563	15,446.6563	0.8786		15,468.6209
Total	8.8170	20.1548	65.8880	0.1598	11.3956	0.3296	11.7252	3.0500	0.3200	3.3700	0.0000	16,870.9979	16,870.9979	0.9334	0.0256	16,901.9581

8141 Van Nuys - Existing Building - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	7/27/2020	7/27/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	1	0.00	0	0.00

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	1	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

8141 Van Nuys - Existing Building - Los Angeles-South Coast County, Summer

3.2 Demolition - 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	0.0000	0.0000	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	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

8141 Van Nuys - Existing Building - Los Angeles-South Coast County, Summer

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.3317	18.8404	49.1034	0.1520	11.3956	0.1529	11.5485	3.0500	0.1434	3.1933		15,446.6563	15,446.6563	0.8786		15,468.6209
Unmitigated	4.3317	18.8404	49.1034	0.1520	11.3956	0.1529	11.5485	3.0500	0.1434	3.1933		15,446.6563	15,446.6563	0.8786		15,468.6209

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	814.80	966.12	708.10	2,806,077	2,806,077
High Turnover (Sit Down Restaurant)	1,212.12	1,509.74	1256.83	1,718,564	1,718,564
Total	2,026.92	2,475.86	1,964.93	4,524,641	4,524,641

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 High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43

4.4 Fleet Mix

8141 Van Nuys - Existing Building - Los Angeles-South Coast County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
High Turnover (Sit Down Restaurant)	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907

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	0.1279	1.1286	0.7252	6.9800e-003		0.0884	0.0884		0.0884	0.0884		1,395.5204	1,395.5204	0.0268	0.0256	1,403.8133
NaturalGas Unmitigated	0.1279	1.1286	0.7252	6.9800e-003		0.0884	0.0884		0.0884	0.0884		1,395.5204	1,395.5204	0.0268	0.0256	1,403.8133

8141 Van Nuys - Existing Building - Los Angeles-South Coast 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 High Rise	5834.98	0.0629	0.5377	0.2288	3.4300e-003		0.0435	0.0435		0.0435	0.0435		686.4680	686.4680	0.0132	0.0126	690.5473
High Turnover (Sit Down Restaurant)	6026.95	0.0650	0.5909	0.4963	3.5500e-003		0.0449	0.0449		0.0449	0.0449		709.0524	709.0524	0.0136	0.0130	713.2660
Total		0.1279	1.1286	0.7252	6.9800e-003		0.0884	0.0884		0.0884	0.0884		1,395.5204	1,395.5204	0.0268	0.0256	1,403.8133

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 High Rise	5.83498	0.0629	0.5377	0.2288	3.4300e-003		0.0435	0.0435		0.0435	0.0435		686.4680	686.4680	0.0132	0.0126	690.5473
High Turnover (Sit Down Restaurant)	6.02695	0.0650	0.5909	0.4963	3.5500e-003		0.0449	0.0449		0.0449	0.0449		709.0524	709.0524	0.0136	0.0130	713.2660
Total		0.1279	1.1286	0.7252	6.9800e-003		0.0884	0.0884		0.0884	0.0884		1,395.5204	1,395.5204	0.0268	0.0256	1,403.8133

6.0 Area Detail

6.1 Mitigation Measures Area

8141 Van Nuys - Existing Building - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.3574	0.1857	16.0594	8.5000e-004		0.0883	0.0883		0.0883	0.0883	0.0000	28.8212	28.8212	0.0281	0.0000	29.5239
Unmitigated	4.3574	0.1857	16.0594	8.5000e-004		0.0883	0.0883		0.0883	0.0883	0.0000	28.8212	28.8212	0.0281	0.0000	29.5239

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	0.3155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5528					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	0.4891	0.1857	16.0594	8.5000e-004		0.0883	0.0883		0.0883	0.0883		28.8212	28.8212	0.0281		29.5239
Total	4.3574	0.1857	16.0594	8.5000e-004		0.0883	0.0883		0.0883	0.0883	0.0000	28.8212	28.8212	0.0281	0.0000	29.5239

8141 Van Nuys - Existing Building - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5528					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	0.4891	0.1857	16.0594	8.5000e-004		0.0883	0.0883		0.0883	0.0883		28.8212	28.8212	0.0281		29.5239
Total	4.3574	0.1857	16.0594	8.5000e-004		0.0883	0.0883		0.0883	0.0883	0.0000	28.8212	28.8212	0.0281	0.0000	29.5239

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

8141 Van Nuys - Existing Building - Los Angeles-South Coast 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

8141 Van Nuys - Existing Building - Los Angeles-South Coast County, Winter

8141 Van Nuys - Existing Building
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	194.00	Dwelling Unit	1.00	169,901.00	555
High Turnover (Sit Down Restaurant)	9.53	1000sqft	0.00	9,533.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2020
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Applicant Info. Operational analysis only.

Land Use - Applicant Info

Construction Phase - No construction

Off-road Equipment - No construction

Trips and VMT - No construction

Woodstoves - No hearths

Energy Use -

8141 Van Nuys - Existing Building - Los Angeles-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	1.00
tblConstructionPhase	PhaseEndDate	8/7/2020	7/27/2020
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	164.90	0.00
tblFireplaces	NumberNoFireplace	19.40	0.00
tblFireplaces	NumberWood	9.70	0.00
tblLandUse	LandUseSquareFeet	194,000.00	169,901.00
tblLandUse	LotAcreage	3.13	1.00
tblLandUse	LotAcreage	0.22	0.00
tblOffRoadEquipment	HorsePower	78.00	0.00
tblOffRoadEquipment	LoadFactor	0.48	0.00
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblWoodstoves	NumberCatalytic	9.70	0.00
tblWoodstoves	NumberNoncatalytic	9.70	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

8141 Van Nuys - Existing Building - Los Angeles-South Coast 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	4.3574	0.1857	16.0594	8.5000e-004		0.0883	0.0883		0.0883	0.0883	0.0000	28.8212	28.8212	0.0281	0.0000	29.5239
Energy	0.1279	1.1286	0.7252	6.9800e-003		0.0884	0.0884		0.0884	0.0884		1,395.5204	1,395.5204	0.0268	0.0256	1,403.8133
Mobile	4.2137	19.2029	47.6050	0.1444	11.3956	0.1541	11.5497	3.0500	0.1444	3.1944		14,676.7946	14,676.7946	0.8826		14,698.8606
Total	8.6989	20.5173	64.3896	0.1522	11.3956	0.3307	11.7263	3.0500	0.3211	3.3711	0.0000	16,101.1363	16,101.1363	0.9375	0.0256	16,132.1978

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.3574	0.1857	16.0594	8.5000e-004		0.0883	0.0883		0.0883	0.0883	0.0000	28.8212	28.8212	0.0281	0.0000	29.5239
Energy	0.1279	1.1286	0.7252	6.9800e-003		0.0884	0.0884		0.0884	0.0884		1,395.5204	1,395.5204	0.0268	0.0256	1,403.8133
Mobile	4.2137	19.2029	47.6050	0.1444	11.3956	0.1541	11.5497	3.0500	0.1444	3.1944		14,676.7946	14,676.7946	0.8826		14,698.8606
Total	8.6989	20.5173	64.3896	0.1522	11.3956	0.3307	11.7263	3.0500	0.3211	3.3711	0.0000	16,101.1363	16,101.1363	0.9375	0.0256	16,132.1978

8141 Van Nuys - Existing Building - Los Angeles-South Coast 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	7/27/2020	7/27/2020	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	1	0.00	0	0.00

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	1	0.00	0.00	0.00	0.00	0.00	0.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

8141 Van Nuys - Existing Building - Los Angeles-South Coast County, Winter

3.2 Demolition - 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	0.0000	0.0000	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	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

8141 Van Nuys - Existing Building - Los Angeles-South Coast County, Winter

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.2137	19.2029	47.6050	0.1444	11.3956	0.1541	11.5497	3.0500	0.1444	3.1944		14,676.79 46	14,676.79 46	0.8826		14,698.86 06
Unmitigated	4.2137	19.2029	47.6050	0.1444	11.3956	0.1541	11.5497	3.0500	0.1444	3.1944		14,676.79 46	14,676.79 46	0.8826		14,698.86 06

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	814.80	966.12	708.10	2,806,077	2,806,077
High Turnover (Sit Down Restaurant)	1,212.12	1,509.74	1256.83	1,718,564	1,718,564
Total	2,026.92	2,475.86	1,964.93	4,524,641	4,524,641

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 High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43

4.4 Fleet Mix

8141 Van Nuys - Existing Building - Los Angeles-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
High Turnover (Sit Down Restaurant)	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907

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	0.1279	1.1286	0.7252	6.9800e-003		0.0884	0.0884		0.0884	0.0884		1,395.5204	1,395.5204	0.0268	0.0256	1,403.8133
NaturalGas Unmitigated	0.1279	1.1286	0.7252	6.9800e-003		0.0884	0.0884		0.0884	0.0884		1,395.5204	1,395.5204	0.0268	0.0256	1,403.8133

8141 Van Nuys - Existing Building - Los Angeles-South Coast 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 High Rise	5834.98	0.0629	0.5377	0.2288	3.4300e-003		0.0435	0.0435		0.0435	0.0435		686.4680	686.4680	0.0132	0.0126	690.5473
High Turnover (Sit Down Restaurant)	6026.95	0.0650	0.5909	0.4963	3.5500e-003		0.0449	0.0449		0.0449	0.0449		709.0524	709.0524	0.0136	0.0130	713.2660
Total		0.1279	1.1286	0.7252	6.9800e-003		0.0884	0.0884		0.0884	0.0884		1,395.5204	1,395.5204	0.0268	0.0256	1,403.8133

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 High Rise	5.83498	0.0629	0.5377	0.2288	3.4300e-003		0.0435	0.0435		0.0435	0.0435		686.4680	686.4680	0.0132	0.0126	690.5473
High Turnover (Sit Down Restaurant)	6.02695	0.0650	0.5909	0.4963	3.5500e-003		0.0449	0.0449		0.0449	0.0449		709.0524	709.0524	0.0136	0.0130	713.2660
Total		0.1279	1.1286	0.7252	6.9800e-003		0.0884	0.0884		0.0884	0.0884		1,395.5204	1,395.5204	0.0268	0.0256	1,403.8133

6.0 Area Detail

6.1 Mitigation Measures Area

8141 Van Nuys - Existing Building - Los Angeles-South Coast 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	4.3574	0.1857	16.0594	8.5000e-004		0.0883	0.0883		0.0883	0.0883	0.0000	28.8212	28.8212	0.0281	0.0000	29.5239
Unmitigated	4.3574	0.1857	16.0594	8.5000e-004		0.0883	0.0883		0.0883	0.0883	0.0000	28.8212	28.8212	0.0281	0.0000	29.5239

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	0.3155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5528					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	0.4891	0.1857	16.0594	8.5000e-004		0.0883	0.0883		0.0883	0.0883		28.8212	28.8212	0.0281		29.5239
Total	4.3574	0.1857	16.0594	8.5000e-004		0.0883	0.0883		0.0883	0.0883	0.0000	28.8212	28.8212	0.0281	0.0000	29.5239

8141 Van Nuys - Existing Building - Los Angeles-South Coast 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	0.3155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5528					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	0.4891	0.1857	16.0594	8.5000e-004		0.0883	0.0883		0.0883	0.0883		28.8212	28.8212	0.0281		29.5239
Total	4.3574	0.1857	16.0594	8.5000e-004		0.0883	0.0883		0.0883	0.0883	0.0000	28.8212	28.8212	0.0281	0.0000	29.5239

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

8141 Van Nuys - Existing Building - Los Angeles-South Coast 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

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8141 Van Nuys - Parking Building (construction)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unenclosed Parking with Elevator	487.00	Space	0.74	194,800.00	0
Parking Lot	37.00	Space	0.40	17,500.00	0
Unrefrigerated Warehouse-No Rail	22.54	1000sqft	0.00	22,535.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - Applicant Info

Land Use - Applicant Info

Construction Phase - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Grading - Applicant Info

Demolition - Consultant Assumptions

Trips and VMT - Applicant Info. Export materials would be taken to Irwindale Dump Site.

Vehicle Trips - Warehouse land use would not be publicly accessible, and it would generate a minimal number of sporadic trips.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	46
tblConstructionPhase	NumDays	200.00	175.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	4.00	2.00
tblConstructionPhase	PhaseEndDate	5/24/2022	3/11/2022
tblConstructionPhase	PhaseEndDate	5/10/2022	3/11/2022
tblConstructionPhase	PhaseEndDate	7/28/2021	7/7/2021
tblConstructionPhase	PhaseEndDate	8/3/2021	7/9/2021
tblConstructionPhase	PhaseStartDate	5/11/2022	2/28/2022
tblConstructionPhase	PhaseStartDate	8/4/2021	7/12/2021
tblConstructionPhase	PhaseStartDate	7/29/2021	7/8/2021
tblGrading	AcresOfGrading	0.00	1.15

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tblGrading	MaterialExported	0.00	110.00
tblLandUse	LandUseSquareFeet	14,800.00	17,500.00
tblLandUse	LotAcreage	4.38	0.74
tblLandUse	LotAcreage	0.33	0.40
tblLandUse	LotAcreage	0.52	0.00
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00

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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0835	0.8629	0.8205	2.2800e-003	0.0906	0.0252	0.1158	0.0260	0.0232	0.0491	0.0000	207.5930	207.5930	0.0333	0.0000	208.4256
2022	0.1652	0.3081	0.3223	9.0000e-004	0.0342	8.7200e-003	0.0429	9.2200e-003	8.0800e-003	0.0173	0.0000	81.8409	81.8409	0.0126	0.0000	82.1568
Maximum	0.1652	0.8629	0.8205	2.2800e-003	0.0906	0.0252	0.1158	0.0260	0.0232	0.0491	0.0000	207.5930	207.5930	0.0333	0.0000	208.4256

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0835	0.8629	0.8205	2.2800e-003	0.0545	0.0252	0.0797	0.0162	0.0232	0.0393	0.0000	207.5929	207.5929	0.0333	0.0000	208.4255
2022	0.1652	0.3081	0.3223	9.0000e-004	0.0210	8.7200e-003	0.0297	5.9800e-003	8.0800e-003	0.0141	0.0000	81.8408	81.8408	0.0126	0.0000	82.1568
Maximum	0.1652	0.8629	0.8205	2.2800e-003	0.0545	0.0252	0.0797	0.0162	0.0232	0.0393	0.0000	207.5929	207.5929	0.0333	0.0000	208.4255

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	39.50	0.00	31.07	37.06	0.00	19.63	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2021	9-30-2021	0.4510	0.4510
2	10-1-2021	12-31-2021	0.4735	0.4735
3	1-1-2022	3-31-2022	0.4519	0.4519
		Highest	0.4735	0.4735

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	0.1092	6.0000e-005	6.9700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0136	0.0136	4.0000e-005	0.0000	0.0145
Energy	1.1000e-004	9.6000e-004	8.1000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	263.8895	263.8895	6.2300e-003	1.3000e-003	264.4336
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	4.3014	0.0000	4.3014	0.2542	0.0000	10.6565
Water						0.0000	0.0000		0.0000	0.0000	1.6537	37.8012	39.4548	0.1707	4.2000e-003	44.9734
Total	0.1093	1.0200e-003	7.7800e-003	1.0000e-005	0.0000	9.0000e-005	9.0000e-005	0.0000	9.0000e-005	9.0000e-005	5.9550	301.7042	307.6592	0.4312	5.5000e-003	320.0780

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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	0.1092	6.0000e-005	6.9700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0136	0.0136	4.0000e-005	0.0000	0.0145
Energy	1.1000e-004	9.6000e-004	8.1000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	263.8895	263.8895	6.2300e-003	1.3000e-003	264.4336
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	4.3014	0.0000	4.3014	0.2542	0.0000	10.6565
Water						0.0000	0.0000		0.0000	0.0000	1.6537	37.8012	39.4548	0.1707	4.2000e-003	44.9734
Total	0.1093	1.0200e-003	7.7800e-003	1.0000e-005	0.0000	9.0000e-005	9.0000e-005	0.0000	9.0000e-005	9.0000e-005	5.9550	301.7042	307.6592	0.4312	5.5000e-003	320.0780

	ROG	NOx	CO	SO2	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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2021	7/7/2021	5	5	
2	Grading	Grading	7/8/2021	7/9/2021	5	2	
3	Building Construction	Building Construction	7/12/2021	3/11/2022	5	175	
4	Architectural Coating	Architectural Coating	2/28/2022	3/11/2022	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.15

Acres of Paving: 1.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 33,803; Non-Residential Outdoor: 11,268; Striped Parking Area: 12,738 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Demolition	Excavators	1	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Grading	Rubber Tired Loaders	1	8.00	203	0.36
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Skid Steer Loaders	1	8.00	65	0.37

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	2	5.00	0.00	5.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	14.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Building Construction	4	99.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.9000e-004	0.0000	5.9000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4300e-003	0.0150	0.0122	3.0000e-005		5.8000e-004	5.8000e-004		5.4000e-004	5.4000e-004	0.0000	2.5071	2.5071	8.1000e-004	0.0000	2.5273
Total	1.4300e-003	0.0150	0.0122	3.0000e-005	5.9000e-004	5.8000e-004	1.1700e-003	9.0000e-005	5.4000e-004	6.3000e-004	0.0000	2.5071	2.5071	8.1000e-004	0.0000	2.5273

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3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.3900e-003	3.5000e-004	0.0000	1.1000e-004	1.0000e-005	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4396	0.4396	3.0000e-005	0.0000	0.4403
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	4.7000e-004	0.0000	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1236	0.1236	0.0000	0.0000	0.1237
Total	1.0000e-004	1.4300e-003	8.2000e-004	0.0000	2.5000e-004	1.0000e-005	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.5633	0.5633	3.0000e-005	0.0000	0.5640

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					2.6000e-004	0.0000	2.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4300e-003	0.0150	0.0122	3.0000e-005		5.8000e-004	5.8000e-004		5.4000e-004	5.4000e-004	0.0000	2.5070	2.5070	8.1000e-004	0.0000	2.5273
Total	1.4300e-003	0.0150	0.0122	3.0000e-005	2.6000e-004	5.8000e-004	8.4000e-004	4.0000e-005	5.4000e-004	5.8000e-004	0.0000	2.5070	2.5070	8.1000e-004	0.0000	2.5273

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3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.3900e-003	3.5000e-004	0.0000	7.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.4396	0.4396	3.0000e-005	0.0000	0.4403
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	4.7000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1236	0.1236	0.0000	0.0000	0.1237
Total	1.0000e-004	1.4300e-003	8.2000e-004	0.0000	1.5000e-004	1.0000e-005	1.6000e-004	4.0000e-005	0.0000	5.0000e-005	0.0000	0.5633	0.5633	3.0000e-005	0.0000	0.5640

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.6400e-003	0.0000	6.6400e-003	3.3800e-003	0.0000	3.3800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8800e-003	0.0200	0.0110	3.0000e-005		8.6000e-004	8.6000e-004		7.9000e-004	7.9000e-004	0.0000	2.5808	2.5808	8.3000e-004	0.0000	2.6017
Total	1.8800e-003	0.0200	0.0110	3.0000e-005	6.6400e-003	8.6000e-004	7.5000e-003	3.3800e-003	7.9000e-004	4.1700e-003	0.0000	2.5808	2.5808	8.3000e-004	0.0000	2.6017

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3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	3.8800e-003	9.9000e-004	1.0000e-005	3.0000e-004	1.0000e-005	3.1000e-004	8.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.2310	1.2310	8.0000e-005	0.0000	1.2329
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	4.0000e-005	3.0000e-005	3.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0989	0.0989	0.0000	0.0000	0.0990
Total	1.7000e-004	3.9100e-003	1.3700e-003	1.0000e-005	4.1000e-004	1.0000e-005	4.2000e-004	1.1000e-004	1.0000e-005	1.3000e-004	0.0000	1.3299	1.3299	8.0000e-005	0.0000	1.3319

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					2.9900e-003	0.0000	2.9900e-003	1.5200e-003	0.0000	1.5200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8800e-003	0.0200	0.0110	3.0000e-005		8.6000e-004	8.6000e-004		7.9000e-004	7.9000e-004	0.0000	2.5808	2.5808	8.3000e-004	0.0000	2.6017
Total	1.8800e-003	0.0200	0.0110	3.0000e-005	2.9900e-003	8.6000e-004	3.8500e-003	1.5200e-003	7.9000e-004	2.3100e-003	0.0000	2.5808	2.5808	8.3000e-004	0.0000	2.6017

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3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.3000e-004	3.8800e-003	9.9000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	1.2310	1.2310	8.0000e-005	0.0000	1.2329
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	4.0000e-005	3.0000e-005	3.8000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0989	0.0989	0.0000	0.0000	0.0990
Total	1.7000e-004	3.9100e-003	1.3700e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.8000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.3299	1.3299	8.0000e-005	0.0000	1.3319

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0459	0.5673	0.4976	9.2000e-004		0.0227	0.0227		0.0209	0.0209	0.0000	80.8798	80.8798	0.0262	0.0000	81.5338
Total	0.0459	0.5673	0.4976	9.2000e-004		0.0227	0.0227		0.0209	0.0209	0.0000	80.8798	80.8798	0.0262	0.0000	81.5338

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3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	7.3700e-003	0.2344	0.0636	6.0000e-004	0.0150	4.8000e-004	0.0154	4.3200e-003	4.6000e-004	4.7700e-003	0.0000	58.5429	58.5429	3.5900e-003	0.0000	58.6327
Worker	0.0266	0.0207	0.2340	6.8000e-004	0.0678	5.6000e-004	0.0684	0.0180	5.1000e-004	0.0185	0.0000	61.1892	61.1892	1.8000e-003	0.0000	61.2343
Total	0.0340	0.2551	0.2975	1.2800e-003	0.0828	1.0400e-003	0.0838	0.0223	9.7000e-004	0.0233	0.0000	119.7322	119.7322	5.3900e-003	0.0000	119.8670

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	0.0459	0.5673	0.4976	9.2000e-004		0.0227	0.0227		0.0209	0.0209	0.0000	80.8797	80.8797	0.0262	0.0000	81.5337
Total	0.0459	0.5673	0.4976	9.2000e-004		0.0227	0.0227		0.0209	0.0209	0.0000	80.8797	80.8797	0.0262	0.0000	81.5337

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3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	7.3700e-003	0.2344	0.0636	6.0000e-004	0.0101	4.8000e-004	0.0106	3.1200e-003	4.6000e-004	3.5800e-003	0.0000	58.5429	58.5429	3.5900e-003	0.0000	58.6327
Worker	0.0266	0.0207	0.2340	6.8000e-004	0.0408	5.6000e-004	0.0413	0.0114	5.1000e-004	0.0119	0.0000	61.1892	61.1892	1.8000e-003	0.0000	61.2343
Total	0.0340	0.2551	0.2975	1.2800e-003	0.0509	1.0400e-003	0.0519	0.0145	9.7000e-004	0.0155	0.0000	119.7322	119.7322	5.3900e-003	0.0000	119.8670

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0167	0.2018	0.1964	3.7000e-004		7.7900e-003	7.7900e-003		7.1600e-003	7.1600e-003	0.0000	32.3577	32.3577	0.0105	0.0000	32.6193
Total	0.0167	0.2018	0.1964	3.7000e-004		7.7900e-003	7.7900e-003		7.1600e-003	7.1600e-003	0.0000	32.3577	32.3577	0.0105	0.0000	32.6193

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3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7700e-003	0.0891	0.0241	2.4000e-004	5.9800e-003	1.7000e-004	6.1500e-003	1.7300e-003	1.6000e-004	1.8900e-003	0.0000	23.2115	23.2115	1.3900e-003	0.0000	23.2462
Worker	9.9900e-003	7.4900e-003	0.0862	2.6000e-004	0.0271	2.2000e-004	0.0273	7.2000e-003	2.0000e-004	7.4000e-003	0.0000	23.6153	23.6153	6.5000e-004	0.0000	23.6316
Total	0.0128	0.0966	0.1103	5.0000e-004	0.0331	3.9000e-004	0.0335	8.9300e-003	3.6000e-004	9.2900e-003	0.0000	46.8268	46.8268	2.0400e-003	0.0000	46.8778

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	0.0167	0.2018	0.1964	3.7000e-004		7.7900e-003	7.7900e-003		7.1600e-003	7.1600e-003	0.0000	32.3577	32.3577	0.0105	0.0000	32.6193
Total	0.0167	0.2018	0.1964	3.7000e-004		7.7900e-003	7.7900e-003		7.1600e-003	7.1600e-003	0.0000	32.3577	32.3577	0.0105	0.0000	32.6193

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3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7700e-003	0.0891	0.0241	2.4000e-004	4.0400e-003	1.7000e-004	4.2000e-003	1.2500e-003	1.6000e-004	1.4100e-003	0.0000	23.2115	23.2115	1.3900e-003	0.0000	23.2462
Worker	9.9900e-003	7.4900e-003	0.0862	2.6000e-004	0.0163	2.2000e-004	0.0165	4.5500e-003	2.0000e-004	4.7500e-003	0.0000	23.6153	23.6153	6.5000e-004	0.0000	23.6316
Total	0.0128	0.0966	0.1103	5.0000e-004	0.0204	3.9000e-004	0.0207	5.8000e-003	3.6000e-004	6.1600e-003	0.0000	46.8268	46.8268	2.0400e-003	0.0000	46.8778

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1340					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3600e-003	9.3900e-003	0.0121	2.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	1.7022	1.7022	1.1000e-004	0.0000	1.7049
Total	0.1353	9.3900e-003	0.0121	2.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	1.7022	1.7022	1.1000e-004	0.0000	1.7049

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3.5 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	3.0000e-004	3.4800e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9542	0.9542	3.0000e-005	0.0000	0.9548
Total	4.0000e-004	3.0000e-004	3.4800e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9542	0.9542	3.0000e-005	0.0000	0.9548

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	0.1340					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3600e-003	9.3900e-003	0.0121	2.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	1.7022	1.7022	1.1000e-004	0.0000	1.7049
Total	0.1353	9.3900e-003	0.0121	2.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	1.7022	1.7022	1.1000e-004	0.0000	1.7049

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3.5 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	3.0000e-004	3.4800e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.7000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	0.9542	0.9542	3.0000e-005	0.0000	0.9548
Total	4.0000e-004	3.0000e-004	3.4800e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.7000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	0.9542	0.9542	3.0000e-005	0.0000	0.9548

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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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	0.0000	0.0000	0.0000	0.0000	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
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	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
Parking Lot	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Unenclosed Parking with Elevator	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Unrefrigerated Warehouse-No Rail	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	262.8432	262.8432	6.2100e-003	1.2800e-003	263.3812
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	262.8432	262.8432	6.2100e-003	1.2800e-003	263.3812
NaturalGas Mitigated	1.1000e-004	9.6000e-004	8.1000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.0462	1.0462	2.0000e-005	2.0000e-005	1.0524
NaturalGas Unmitigated	1.1000e-004	9.6000e-004	8.1000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.0462	1.0462	2.0000e-005	2.0000e-005	1.0524

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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						
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	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	19605.5	1.1000e-004	9.6000e-004	8.1000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.0462	1.0462	2.0000e-005	2.0000e-005	1.0524	
Total		1.1000e-004	9.6000e-004	8.1000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.0462	1.0462	2.0000e-005	2.0000e-005	1.0524	

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					
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
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	19605.5	1.1000e-004	9.6000e-004	8.1000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.0462	1.0462	2.0000e-005	2.0000e-005	1.0524
Total		1.1000e-004	9.6000e-004	8.1000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	1.0462	1.0462	2.0000e-005	2.0000e-005	1.0524

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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			
Parking Lot	6125	3.4114	8.0000e-005	2.0000e-005	3.4184
Unenclosed Parking with Elevator	377912	210.4825	4.9700e-003	1.0300e-003	210.9132
Unrefrigerated Warehouse-No Rail	87886.5	48.9494	1.1600e-003	2.4000e-004	49.0496
Total		262.8432	6.2100e-003	1.2900e-003	263.3812

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	6125	3.4114	8.0000e-005	2.0000e-005	3.4184
Unenclosed Parking with Elevator	377912	210.4825	4.9700e-003	1.0300e-003	210.9132
Unrefrigerated Warehouse-No Rail	87886.5	48.9494	1.1600e-003	2.4000e-004	49.0496
Total		262.8432	6.2100e-003	1.2900e-003	263.3812

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6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1092	6.0000e-005	6.9700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0136	0.0136	4.0000e-005	0.0000	0.0145
Unmitigated	0.1092	6.0000e-005	6.9700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0136	0.0136	4.0000e-005	0.0000	0.0145

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0134					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0952					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.5000e-004	6.0000e-005	6.9700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0136	0.0136	4.0000e-005	0.0000	0.0145
Total	0.1092	6.0000e-005	6.9700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0136	0.0136	4.0000e-005	0.0000	0.0145

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0134					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0952					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.5000e-004	6.0000e-005	6.9700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0136	0.0136	4.0000e-005	0.0000	0.0145
Total	0.1092	6.0000e-005	6.9700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0136	0.0136	4.0000e-005	0.0000	0.0145

7.0 Water Detail

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7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	39.4548	0.1707	4.2000e-003	44.9734
Unmitigated	39.4548	0.1707	4.2000e-003	44.9734

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	5.21237 / 0	39.4548	0.1707	4.2000e-003	44.9734
Total		39.4548	0.1707	4.2000e-003	44.9734

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	5.21237 / 0	39.4548	0.1707	4.2000e-003	44.9734
Total		39.4548	0.1707	4.2000e-003	44.9734

8.0 Waste Detail**8.1 Mitigation Measures Waste**

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.3014	0.2542	0.0000	10.6565
Unmitigated	4.3014	0.2542	0.0000	10.6565

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	21.19	4.3014	0.2542	0.0000	10.6565
Total		4.3014	0.2542	0.0000	10.6565

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	21.19	4.3014	0.2542	0.0000	10.6565
Total		4.3014	0.2542	0.0000	10.6565

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
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

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

Equipment Type	Number
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11.0 Vegetation

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Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unenclosed Parking with Elevator	487.00	Space	0.74	194,800.00	0
Parking Lot	37.00	Space	0.40	17,500.00	0
Unrefrigerated Warehouse-No Rail	22.54	1000sqft	0.00	22,535.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Summer

Project Characteristics - Applicant Info

Land Use - Applicant Info

Construction Phase - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Grading - Applicant Info

Demolition - Consultant Assumptions

Trips and VMT - Applicant Info. Export materials would be taken to Irwindale Dump Site.

Vehicle Trips - Warehouse land use would not be publicly accessible, and it would generate a minimal number of sporadic trips.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	46
tblConstructionPhase	NumDays	200.00	175.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	4.00	2.00
tblConstructionPhase	PhaseEndDate	5/24/2022	3/11/2022
tblConstructionPhase	PhaseEndDate	5/10/2022	3/11/2022
tblConstructionPhase	PhaseEndDate	7/28/2021	7/7/2021
tblConstructionPhase	PhaseEndDate	8/3/2021	7/9/2021
tblConstructionPhase	PhaseStartDate	5/11/2022	2/28/2022
tblConstructionPhase	PhaseStartDate	8/4/2021	7/12/2021
tblConstructionPhase	PhaseStartDate	7/29/2021	7/8/2021
tblGrading	AcresOfGrading	0.00	1.15

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tblGrading	MaterialExported	0.00	110.00
tblLandUse	LandUseSquareFeet	14,800.00	17,500.00
tblLandUse	LotAcreage	4.38	0.74
tblLandUse	LotAcreage	0.33	0.40
tblLandUse	LotAcreage	0.52	0.00
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00

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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.0489	23.7564	12.9131	0.0431	7.0556	0.8723	7.9279	3.4905	0.8030	4.2935	0.0000	4,319.9588	4,319.9588	1.0076	0.0000	4,345.1492
2022	28.3197	13.7767	15.6091	0.0415	1.5734	0.4375	2.0109	0.4228	0.4114	0.8342	0.0000	4,144.9086	4,144.9086	0.5814	0.0000	4,159.4430
Maximum	28.3197	23.7564	15.6091	0.0431	7.0556	0.8723	7.9279	3.4905	0.8030	4.2935	0.0000	4,319.9588	4,319.9588	1.0076	0.0000	4,345.1492

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.0489	23.7564	12.9131	0.0431	3.2536	0.8723	4.1259	1.5960	0.8030	2.3990	0.0000	4,319.9588	4,319.9588	1.0076	0.0000	4,345.1492
2022	28.3197	13.7767	15.6091	0.0415	0.9618	0.4375	1.3992	0.2727	0.4114	0.6841	0.0000	4,144.9086	4,144.9086	0.5814	0.0000	4,159.4430
Maximum	28.3197	23.7564	15.6091	0.0431	3.2536	0.8723	4.1259	1.5960	0.8030	2.3990	0.0000	4,319.9588	4,319.9588	1.0076	0.0000	4,345.1492

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	51.15	0.00	44.41	52.25	0.00	39.87	0.00	0.00	0.00	0.00	0.00	0.00

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6000	5.1000e-004	0.0558	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.1000e-004		0.1275
Energy	5.8000e-004	5.2700e-003	4.4200e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		6.3192	6.3192	1.2000e-004	1.2000e-004	6.3568
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	0.6006	5.7800e-003	0.0602	3.0000e-005	0.0000	6.0000e-004	6.0000e-004	0.0000	6.0000e-004	6.0000e-004		6.4389	6.4389	4.3000e-004	1.2000e-004	6.4842

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	0.6000	5.1000e-004	0.0558	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.1000e-004		0.1275
Energy	5.8000e-004	5.2700e-003	4.4200e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		6.3192	6.3192	1.2000e-004	1.2000e-004	6.3568
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	0.6006	5.7800e-003	0.0602	3.0000e-005	0.0000	6.0000e-004	6.0000e-004	0.0000	6.0000e-004	6.0000e-004		6.4389	6.4389	4.3000e-004	1.2000e-004	6.4842

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	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	7/1/2021	7/7/2021	5	5	
2	Grading	Grading	7/8/2021	7/9/2021	5	2	
3	Building Construction	Building Construction	7/12/2021	3/11/2022	5	175	
4	Architectural Coating	Architectural Coating	2/28/2022	3/11/2022	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.15

Acres of Paving: 1.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 33,803; Non-Residential Outdoor: 11,268; Striped Parking Area: 12,738 (Architectural Coating – sqft)

OffRoad Equipment

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Demolition	Excavators	1	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Grading	Rubber Tired Loaders	1	8.00	203	0.36
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Skid Steer Loaders	1	8.00	65	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	2	5.00	0.00	5.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	14.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Building Construction	4	99.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Summer

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2354	0.0000	0.2354	0.0356	0.0000	0.0356			0.0000			0.0000
Off-Road	0.5722	6.0172	4.8705	0.0114		0.2333	0.2333		0.2146	0.2146		1,105.418 2	1,105.418 2	0.3575		1,114.3561
Total	0.5722	6.0172	4.8705	0.0114	0.2354	0.2333	0.4687	0.0356	0.2146	0.2503		1,105.418 2	1,105.418 2	0.3575		1,114.356 1

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	0.0185	0.5308	0.1400	1.7900e-003	0.0437	2.0000e-003	0.0457	0.0120	1.9200e-003	0.0139		194.4642	194.4642	0.0120		194.7648
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	0.0214	0.0147	0.2014	5.7000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152		56.9385	56.9385	1.6800e-003		56.9804
Total	0.0399	0.5456	0.3414	2.3600e-003	0.0996	2.4500e-003	0.1020	0.0268	2.3400e-003	0.0291		251.4026	251.4026	0.0137		251.7452

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Summer

3.2 Demolition - 2021

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					0.1059	0.0000	0.1059	0.0160	0.0000	0.0160			0.0000			0.0000
Off-Road	0.5722	6.0172	4.8705	0.0114		0.2333	0.2333		0.2146	0.2146	0.0000	1,105.418 2	1,105.418 2	0.3575		1,114.3561
Total	0.5722	6.0172	4.8705	0.0114	0.1059	0.2333	0.3392	0.0160	0.2146	0.2307	0.0000	1,105.418 2	1,105.418 2	0.3575		1,114.356 1

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	0.0185	0.5308	0.1400	1.7900e-003	0.0285	2.0000e-003	0.0305	8.2400e-003	1.9200e-003	0.0102		194.4642	194.4642	0.0120		194.7648
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	0.0214	0.0147	0.2014	5.7000e-004	0.0335	4.5000e-004	0.0340	9.3400e-003	4.2000e-004	9.7500e-003		56.9385	56.9385	1.6800e-003		56.9804
Total	0.0399	0.5456	0.3414	2.3600e-003	0.0620	2.4500e-003	0.0645	0.0176	2.3400e-003	0.0199		251.4026	251.4026	0.0137		251.7452

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Summer

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6381	0.0000	6.6381	3.3770	0.0000	3.3770			0.0000			0.0000
Off-Road	1.8767	20.0112	10.9822	0.0294		0.8574	0.8574		0.7888	0.7888		2,844.8328	2,844.8328	0.9201		2,867.8347
Total	1.8767	20.0112	10.9822	0.0294	6.6381	0.8574	7.4955	3.3770	0.7888	4.1658		2,844.8328	2,844.8328	0.9201		2,867.8347

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	0.1293	3.7157	0.9802	0.0125	0.3058	0.0140	0.3198	0.0838	0.0134	0.0972		1,361.2490	1,361.2490	0.0842		1,363.3536
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	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
Total	0.1722	3.7452	1.3830	0.0137	0.4176	0.0149	0.4325	0.1134	0.0143	0.1277		1,475.1260	1,475.1260	0.0875		1,477.3145

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Summer

3.3 Grading - 2021

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					2.9871	0.0000	2.9871	1.5197	0.0000	1.5197			0.0000			0.0000
Off-Road	1.8767	20.0112	10.9822	0.0294		0.8574	0.8574		0.7888	0.7888	0.0000	2,844.8328	2,844.8328	0.9201		2,867.8347
Total	1.8767	20.0112	10.9822	0.0294	2.9871	0.8574	3.8445	1.5197	0.7888	2.3084	0.0000	2,844.8328	2,844.8328	0.9201		2,867.8347

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	0.1293	3.7157	0.9802	0.0125	0.1993	0.0140	0.2134	0.0577	0.0134	0.0711		1,361.2490	1,361.2490	0.0842		1,363.3536
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	0.0429	0.0295	0.4028	1.1400e-003	0.0671	9.0000e-004	0.0680	0.0187	8.3000e-004	0.0195		113.8770	113.8770	3.3600e-003		113.9609
Total	0.1722	3.7452	1.3830	0.0137	0.2664	0.0149	0.2814	0.0763	0.0143	0.0906		1,475.1260	1,475.1260	0.0875		1,477.3145

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7348	9.0774	7.9611	0.0147		0.3627	0.3627		0.3336	0.3336		1,426.4757	1,426.4757	0.4614		1,438.0095
Total	0.7348	9.0774	7.9611	0.0147		0.3627	0.3627		0.3336	0.3336		1,426.4757	1,426.4757	0.4614		1,438.0095

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	0.1155	3.6894	0.9645	9.7700e-003	0.2433	7.5400e-003	0.2508	0.0701	7.2100e-003	0.0773		1,044.5464	1,044.5464	0.0615		1,046.0848
Worker	0.4244	0.2917	3.9875	0.0113	1.1066	8.9400e-003	1.1155	0.2935	8.2400e-003	0.3017		1,127.3822	1,127.3822	0.0332		1,128.2126
Total	0.5399	3.9811	4.9520	0.0211	1.3499	0.0165	1.3664	0.3635	0.0155	0.3790		2,171.9285	2,171.9285	0.0948		2,174.2974

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2021

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	0.7348	9.0774	7.9611	0.0147		0.3627	0.3627		0.3336	0.3336	0.0000	1,426.4757	1,426.4757	0.4614		1,438.0095
Total	0.7348	9.0774	7.9611	0.0147		0.3627	0.3627		0.3336	0.3336	0.0000	1,426.4757	1,426.4757	0.4614		1,438.0095

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	0.1155	3.6894	0.9645	9.7700e-003	0.1636	7.5400e-003	0.1711	0.0505	7.2100e-003	0.0577		1,044.5464	1,044.5464	0.0615		1,046.0848
Worker	0.4244	0.2917	3.9875	0.0113	0.6641	8.9400e-003	0.6730	0.1849	8.2400e-003	0.1931		1,127.3822	1,127.3822	0.0332		1,128.2126
Total	0.5399	3.9811	4.9520	0.0211	0.8276	0.0165	0.8441	0.2353	0.0155	0.2508		2,171.9285	2,171.9285	0.0948		2,174.2974

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6663	8.0735	7.8563	0.0147		0.3115	0.3115		0.2866	0.2866		1,426.7306	1,426.7306	0.4614		1,438.2664
Total	0.6663	8.0735	7.8563	0.0147		0.3115	0.3115		0.2866	0.2866		1,426.7306	1,426.7306	0.4614		1,438.2664

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	0.1084	3.5086	0.9126	9.6800e-003	0.2433	6.6000e-003	0.2499	0.0701	6.3100e-003	0.0764		1,035.4464	1,035.4464	0.0594		1,036.9319
Worker	0.3975	0.2635	3.6789	0.0109	1.1066	8.6600e-003	1.1153	0.2935	7.9800e-003	0.3015		1,087.7252	1,087.7252	0.0300		1,088.4757
Total	0.5059	3.7720	4.5914	0.0206	1.3499	0.0153	1.3651	0.3635	0.0143	0.3778		2,123.1716	2,123.1716	0.0894		2,125.4076

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2022

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	0.6663	8.0735	7.8563	0.0147		0.3115	0.3115		0.2866	0.2866	0.0000	1,426.7306	1,426.7306	0.4614		1,438.2664
Total	0.6663	8.0735	7.8563	0.0147		0.3115	0.3115		0.2866	0.2866	0.0000	1,426.7306	1,426.7306	0.4614		1,438.2664

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	0.1084	3.5086	0.9126	9.6800e-003	0.1636	6.6000e-003	0.1702	0.0505	6.3100e-003	0.0568		1,035.4464	1,035.4464	0.0594		1,036.9319
Worker	0.3975	0.2635	3.6789	0.0109	0.6641	8.6600e-003	0.6727	0.1849	7.9800e-003	0.1928		1,087.7252	1,087.7252	0.0300		1,088.4757
Total	0.5059	3.7720	4.5914	0.0206	0.8276	0.0153	0.8429	0.2353	0.0143	0.2496		2,123.1716	2,123.1716	0.0894		2,125.4076

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Summer

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.7945					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	27.0672	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749

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	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941
Total	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Summer

3.5 Architectural Coating - 2022

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	26.7945					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	27.0672	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749

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	0.0803	0.0532	0.7432	2.2100e-003	0.1342	1.7500e-003	0.1359	0.0373	1.6100e-003	0.0390		219.7425	219.7425	6.0600e-003		219.8941
Total	0.0803	0.0532	0.7432	2.2100e-003	0.1342	1.7500e-003	0.1359	0.0373	1.6100e-003	0.0390		219.7425	219.7425	6.0600e-003		219.8941

4.0 Operational Detail - Mobile

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast 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	0.0000	0.0000	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
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Summer

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Unenclosed Parking with Elevator	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Unrefrigerated Warehouse-No Rail	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

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	5.8000e-004	5.2700e-003	4.4200e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		6.3192	6.3192	1.2000e-004	1.2000e-004	6.3568
NaturalGas Unmitigated	5.8000e-004	5.2700e-003	4.4200e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		6.3192	6.3192	1.2000e-004	1.2000e-004	6.3568

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast 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					
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
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	53.7136	5.8000e-004	5.2700e-003	4.4200e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		6.3192	6.3192	1.2000e-004	1.2000e-004	6.3568
Total		5.8000e-004	5.2700e-003	4.4200e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		6.3192	6.3192	1.2000e-004	1.2000e-004	6.3568

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					
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
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.0537136	5.8000e-004	5.2700e-003	4.4200e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		6.3192	6.3192	1.2000e-004	1.2000e-004	6.3568
Total		5.8000e-004	5.2700e-003	4.4200e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		6.3192	6.3192	1.2000e-004	1.2000e-004	6.3568

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6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6000	5.1000e-004	0.0558	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.1000e-004		0.1275
Unmitigated	0.6000	5.1000e-004	0.0558	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.1000e-004		0.1275

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0734					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.1700e-003	5.1000e-004	0.0558	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.1000e-004		0.1275
Total	0.6000	5.1000e-004	0.0558	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.1000e-004		0.1275

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	0.0734					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.1700e-003	5.1000e-004	0.0558	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.1000e-004		0.1275
Total	0.6000	5.1000e-004	0.0558	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.1000e-004		0.1275

7.0 Water Detail

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Winter

8141 Van Nuys - Parking Building (construction)
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unenclosed Parking with Elevator	487.00	Space	0.74	194,800.00	0
Parking Lot	37.00	Space	0.40	17,500.00	0
Unrefrigerated Warehouse-No Rail	22.54	1000sqft	0.00	22,535.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Winter

Project Characteristics - Applicant Info

Land Use - Applicant Info

Construction Phase - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Grading - Applicant Info

Demolition - Consultant Assumptions

Trips and VMT - Applicant Info. Export materials would be taken to Irwindale Dump Site.

Vehicle Trips - Warehouse land use would not be publicly accessible, and it would generate a minimal number of sporadic trips.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	46
tblConstructionPhase	NumDays	200.00	175.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	4.00	2.00
tblConstructionPhase	PhaseEndDate	5/24/2022	3/11/2022
tblConstructionPhase	PhaseEndDate	5/10/2022	3/11/2022
tblConstructionPhase	PhaseEndDate	7/28/2021	7/7/2021
tblConstructionPhase	PhaseEndDate	8/3/2021	7/9/2021
tblConstructionPhase	PhaseStartDate	5/11/2022	2/28/2022
tblConstructionPhase	PhaseStartDate	8/4/2021	7/12/2021
tblConstructionPhase	PhaseStartDate	7/29/2021	7/8/2021
tblGrading	AcresOfGrading	0.00	1.15

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tblGrading	MaterialExported	0.00	110.00
tblLandUse	LandUseSquareFeet	14,800.00	17,500.00
tblLandUse	LotAcreage	4.38	0.74
tblLandUse	LotAcreage	0.33	0.40
tblLandUse	LotAcreage	0.52	0.00
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Winter

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.0551	23.8545	12.6738	0.0429	7.0556	0.8724	7.9280	3.4905	0.8031	4.2936	0.0000	4,303.0427	4,303.0427	1.0088	0.0000	4,328.2630
2022	28.3803	13.8010	15.3206	0.0405	1.5734	0.4377	2.0111	0.4228	0.4116	0.8344	0.0000	4,040.0193	4,040.0193	0.5830	0.0000	4,054.5955
Maximum	28.3803	23.8545	15.3206	0.0429	7.0556	0.8724	7.9280	3.4905	0.8031	4.2936	0.0000	4,303.0427	4,303.0427	1.0088	0.0000	4,328.2630

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.0551	23.8545	12.6738	0.0429	3.2536	0.8724	4.1260	1.5960	0.8031	2.3991	0.0000	4,303.0427	4,303.0427	1.0088	0.0000	4,328.2630
2022	28.3803	13.8010	15.3206	0.0405	0.9618	0.4377	1.3994	0.2727	0.4116	0.6843	0.0000	4,040.0193	4,040.0193	0.5830	0.0000	4,054.5955
Maximum	28.3803	23.8545	15.3206	0.0429	3.2536	0.8724	4.1260	1.5960	0.8031	2.3991	0.0000	4,303.0427	4,303.0427	1.0088	0.0000	4,328.2630

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast 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	51.15	0.00	44.41	52.25	0.00	39.87	0.00	0.00	0.00	0.00	0.00	0.00

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast 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	0.6000	5.1000e-004	0.0558	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.1000e-004		0.1275
Energy	5.8000e-004	5.2700e-003	4.4200e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		6.3192	6.3192	1.2000e-004	1.2000e-004	6.3568
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	0.6006	5.7800e-003	0.0602	3.0000e-005	0.0000	6.0000e-004	6.0000e-004	0.0000	6.0000e-004	6.0000e-004		6.4389	6.4389	4.3000e-004	1.2000e-004	6.4842

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	0.6000	5.1000e-004	0.0558	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.1000e-004		0.1275
Energy	5.8000e-004	5.2700e-003	4.4200e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		6.3192	6.3192	1.2000e-004	1.2000e-004	6.3568
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	0.6006	5.7800e-003	0.0602	3.0000e-005	0.0000	6.0000e-004	6.0000e-004	0.0000	6.0000e-004	6.0000e-004		6.4389	6.4389	4.3000e-004	1.2000e-004	6.4842

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast 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	7/1/2021	7/7/2021	5	5	
2	Grading	Grading	7/8/2021	7/9/2021	5	2	
3	Building Construction	Building Construction	7/12/2021	3/11/2022	5	175	
4	Architectural Coating	Architectural Coating	2/28/2022	3/11/2022	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.15

Acres of Paving: 1.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 33,803; Non-Residential Outdoor: 11,268; Striped Parking Area: 12,738 (Architectural Coating – sqft)

OffRoad Equipment

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Demolition	Excavators	1	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Grading	Rubber Tired Loaders	1	8.00	203	0.36
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Skid Steer Loaders	1	8.00	65	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	2	5.00	0.00	5.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	14.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Building Construction	4	99.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Winter

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2354	0.0000	0.2354	0.0356	0.0000	0.0356			0.0000			0.0000
Off-Road	0.5722	6.0172	4.8705	0.0114		0.2333	0.2333		0.2146	0.2146		1,105.418 2	1,105.418 2	0.3575		1,114.3561
Total	0.5722	6.0172	4.8705	0.0114	0.2354	0.2333	0.4687	0.0356	0.2146	0.2503		1,105.418 2	1,105.418 2	0.3575		1,114.356 1

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	0.0187	0.5444	0.1433	1.7800e-003	0.0437	2.0200e-003	0.0457	0.0120	1.9300e-003	0.0139		192.9978	192.9978	0.0122		193.3035
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	0.0238	0.0163	0.1841	5.4000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152		53.6126	53.6126	1.5800e-003		53.6520
Total	0.0425	0.5607	0.3274	2.3200e-003	0.0996	2.4700e-003	0.1020	0.0268	2.3500e-003	0.0291		246.6104	246.6104	0.0138		246.9555

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3.2 Demolition - 2021

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					0.1059	0.0000	0.1059	0.0160	0.0000	0.0160			0.0000			0.0000
Off-Road	0.5722	6.0172	4.8705	0.0114		0.2333	0.2333		0.2146	0.2146	0.0000	1,105.418 2	1,105.418 2	0.3575		1,114.3561
Total	0.5722	6.0172	4.8705	0.0114	0.1059	0.2333	0.3392	0.0160	0.2146	0.2307	0.0000	1,105.418 2	1,105.418 2	0.3575		1,114.356 1

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	0.0187	0.5444	0.1433	1.7800e-003	0.0285	2.0200e-003	0.0305	8.2400e-003	1.9300e-003	0.0102		192.9978	192.9978	0.0122		193.3035
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	0.0238	0.0163	0.1841	5.4000e-004	0.0335	4.5000e-004	0.0340	9.3400e-003	4.2000e-004	9.7500e-003		53.6126	53.6126	1.5800e-003		53.6520
Total	0.0425	0.5607	0.3274	2.3200e-003	0.0620	2.4700e-003	0.0645	0.0176	2.3500e-003	0.0199		246.6104	246.6104	0.0138		246.9555

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Winter

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6381	0.0000	6.6381	3.3770	0.0000	3.3770			0.0000			0.0000
Off-Road	1.8767	20.0112	10.9822	0.0294		0.8574	0.8574		0.7888	0.7888		2,844.8328	2,844.8328	0.9201		2,867.8347
Total	1.8767	20.0112	10.9822	0.0294	6.6381	0.8574	7.4955	3.3770	0.7888	4.1658		2,844.8328	2,844.8328	0.9201		2,867.8347

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	0.1307	3.8106	1.0030	0.0125	0.3058	0.0141	0.3199	0.0838	0.0135	0.0973		1,350.9848	1,350.9848	0.0856		1,353.1243
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	0.0477	0.0326	0.3683	1.0800e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2251	107.2251	3.1600e-003		107.3040
Total	0.1784	3.8432	1.3712	0.0135	0.4176	0.0150	0.4326	0.1134	0.0143	0.1278		1,458.2099	1,458.2099	0.0887		1,460.4282

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Winter

3.3 Grading - 2021

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					2.9871	0.0000	2.9871	1.5197	0.0000	1.5197			0.0000			0.0000
Off-Road	1.8767	20.0112	10.9822	0.0294		0.8574	0.8574		0.7888	0.7888	0.0000	2,844.8328	2,844.8328	0.9201		2,867.8347
Total	1.8767	20.0112	10.9822	0.0294	2.9871	0.8574	3.8445	1.5197	0.7888	2.3084	0.0000	2,844.8328	2,844.8328	0.9201		2,867.8347

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	0.1307	3.8106	1.0030	0.0125	0.1993	0.0141	0.2135	0.0577	0.0135	0.0712		1,350.9848	1,350.9848	0.0856		1,353.1243
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	0.0477	0.0326	0.3683	1.0800e-003	0.0671	9.0000e-004	0.0680	0.0187	8.3000e-004	0.0195		107.2251	107.2251	3.1600e-003		107.3040
Total	0.1784	3.8432	1.3712	0.0135	0.2664	0.0150	0.2814	0.0763	0.0143	0.0907		1,458.2099	1,458.2099	0.0887		1,460.4282

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Winter

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7348	9.0774	7.9611	0.0147		0.3627	0.3627		0.3336	0.3336		1,426.4757	1,426.4757	0.4614		1,438.0095
Total	0.7348	9.0774	7.9611	0.0147		0.3627	0.3627		0.3336	0.3336		1,426.4757	1,426.4757	0.4614		1,438.0095

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	0.1213	3.6818	1.0669	9.5100e-003	0.2433	7.7900e-003	0.2511	0.0701	7.4500e-003	0.0775		1,015.9130	1,015.9130	0.0656		1,017.5526
Worker	0.4721	0.3229	3.6457	0.0107	1.1066	8.9400e-003	1.1155	0.2935	8.2400e-003	0.3017		1,061.5286	1,061.5286	0.0312		1,062.3095
Total	0.5933	4.0047	4.7127	0.0202	1.3499	0.0167	1.3666	0.3635	0.0157	0.3792		2,077.4416	2,077.4416	0.0968		2,079.8621

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Winter

3.4 Building Construction - 2021

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	0.7348	9.0774	7.9611	0.0147		0.3627	0.3627		0.3336	0.3336	0.0000	1,426.4757	1,426.4757	0.4614		1,438.0095
Total	0.7348	9.0774	7.9611	0.0147		0.3627	0.3627		0.3336	0.3336	0.0000	1,426.4757	1,426.4757	0.4614		1,438.0095

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	0.1213	3.6818	1.0669	9.5100e-003	0.1636	7.7900e-003	0.1713	0.0505	7.4500e-003	0.0579		1,015.9130	1,015.9130	0.0656		1,017.5526
Worker	0.4721	0.3229	3.6457	0.0107	0.6641	8.9400e-003	0.6730	0.1849	8.2400e-003	0.1931		1,061.5286	1,061.5286	0.0312		1,062.3095
Total	0.5933	4.0047	4.7127	0.0202	0.8276	0.0167	0.8443	0.2353	0.0157	0.2510		2,077.4416	2,077.4416	0.0968		2,079.8621

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Winter

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6663	8.0735	7.8563	0.0147		0.3115	0.3115		0.2866	0.2866		1,426.7306	1,426.7306	0.4614		1,438.2664
Total	0.6663	8.0735	7.8563	0.0147		0.3115	0.3115		0.2866	0.2866		1,426.7306	1,426.7306	0.4614		1,438.2664

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	0.1138	3.4990	1.0099	9.4200e-003	0.2433	6.8100e-003	0.2501	0.0701	6.5100e-003	0.0766		1,006.8871	1,006.8871	0.0633		1,008.4691
Worker	0.4434	0.2916	3.3579	0.0103	1.1066	8.6600e-003	1.1153	0.2935	7.9800e-003	0.3015		1,024.2238	1,024.2238	0.0282		1,024.9288
Total	0.5572	3.7906	4.3678	0.0197	1.3499	0.0155	1.3654	0.3635	0.0145	0.3780		2,031.1108	2,031.1108	0.0915		2,033.3979

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Winter

3.4 Building Construction - 2022

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	0.6663	8.0735	7.8563	0.0147		0.3115	0.3115		0.2866	0.2866	0.0000	1,426.7306	1,426.7306	0.4614		1,438.2664
Total	0.6663	8.0735	7.8563	0.0147		0.3115	0.3115		0.2866	0.2866	0.0000	1,426.7306	1,426.7306	0.4614		1,438.2664

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	0.1138	3.4990	1.0099	9.4200e-003	0.1636	6.8100e-003	0.1704	0.0505	6.5100e-003	0.0570		1,006.8871	1,006.8871	0.0633		1,008.4691
Worker	0.4434	0.2916	3.3579	0.0103	0.6641	8.6600e-003	0.6727	0.1849	7.9800e-003	0.1928		1,024.2238	1,024.2238	0.0282		1,024.9288
Total	0.5572	3.7906	4.3678	0.0197	0.8276	0.0155	0.8431	0.2353	0.0145	0.2498		2,031.1108	2,031.1108	0.0915		2,033.3979

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Winter

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.7945					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749
Total	27.0672	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090		375.2641	375.2641	0.0244		375.8749

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	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563
Total	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Winter

3.5 Architectural Coating - 2022

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	26.7945					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2727	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749
Total	27.0672	1.8780	2.4181	3.9600e-003		0.1090	0.1090		0.1090	0.1090	0.0000	375.2641	375.2641	0.0244		375.8749

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	0.0896	0.0589	0.6784	2.0800e-003	0.1342	1.7500e-003	0.1359	0.0373	1.6100e-003	0.0390		206.9139	206.9139	5.7000e-003		207.0563
Total	0.0896	0.0589	0.6784	2.0800e-003	0.1342	1.7500e-003	0.1359	0.0373	1.6100e-003	0.0390		206.9139	206.9139	5.7000e-003		207.0563

4.0 Operational Detail - Mobile

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast 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	0.0000	0.0000	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
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unenclosed Parking with	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Unenclosed Parking with Elevator	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Unrefrigerated Warehouse-No Rail	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

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	5.8000e-004	5.2700e-003	4.4200e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		6.3192	6.3192	1.2000e-004	1.2000e-004	6.3568
NaturalGas Unmitigated	5.8000e-004	5.2700e-003	4.4200e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		6.3192	6.3192	1.2000e-004	1.2000e-004	6.3568

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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	lb/day										lb/day					
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
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	53.7136	5.8000e-004	5.2700e-003	4.4200e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		6.3192	6.3192	1.2000e-004	1.2000e-004	6.3568
Total		5.8000e-004	5.2700e-003	4.4200e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		6.3192	6.3192	1.2000e-004	1.2000e-004	6.3568

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					
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
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.0537136	5.8000e-004	5.2700e-003	4.4200e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		6.3192	6.3192	1.2000e-004	1.2000e-004	6.3568
Total		5.8000e-004	5.2700e-003	4.4200e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004		6.3192	6.3192	1.2000e-004	1.2000e-004	6.3568

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6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6000	5.1000e-004	0.0558	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.1000e-004		0.1275
Unmitigated	0.6000	5.1000e-004	0.0558	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.1000e-004		0.1275

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0734					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.1700e-003	5.1000e-004	0.0558	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.1000e-004		0.1275
Total	0.6000	5.1000e-004	0.0558	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.1000e-004		0.1275

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	0.0734					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.1700e-003	5.1000e-004	0.0558	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.1000e-004		0.1275
Total	0.6000	5.1000e-004	0.0558	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1196	0.1196	3.1000e-004		0.1275

7.0 Water Detail

8141 Van Nuys - Parking Building (construction) - Los Angeles-South Coast County, Winter

7.1 Mitigation Measures Water**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Fast Food Restaurant w/o Drive Thru	2.45	1000sqft	0.00	2,450.00	0
Apartment Mid Rise	200.00	Dwelling Unit	1.10	178,000.00	572

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - Applicant Info

Land Use - Applicant Info

Construction Phase - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Trips and VMT - Applicant Info. Export materials would be taken to Irwindale Dump Site.

Demolition - Applicant Info

Grading - Applicant Info

Vehicle Trips - Overland Traffic Consultants, Inc.

Woodstoves - No hearths.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	46
tblConstructionPhase	NumDays	10.00	45.00
tblConstructionPhase	NumDays	200.00	393.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	4.00	2.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	170.00	0.00
tblFireplaces	NumberNoFireplace	20.00	0.00
tblFireplaces	NumberWood	10.00	0.00

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tblGrading	AcresOfGrading	0.00	1.10
tblGrading	MaterialExported	0.00	110.00
tblLandUse	LandUseSquareFeet	200,000.00	178,000.00
tblLandUse	LotAcreage	0.06	0.00
tblLandUse	LotAcreage	5.26	1.10
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	37.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	3.00	0.00

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tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	51.00	100.00
tblVehicleTrips	ST_TR	6.39	4.62
tblVehicleTrips	ST_TR	696.00	28.88
tblVehicleTrips	SU_TR	5.86	4.62
tblVehicleTrips	SU_TR	500.00	28.88
tblVehicleTrips	WD_TR	6.65	4.62
tblVehicleTrips	WD_TR	716.00	28.88
tblWoodstoves	NumberCatalytic	10.00	0.00
tblWoodstoves	NumberNoncatalytic	10.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-14-2022	6-13-2022	0.4273	0.4273
2	6-14-2022	9-13-2022	0.4449	0.4449
3	9-14-2022	12-13-2022	0.4429	0.4429
4	12-14-2022	3-13-2023	0.4056	0.4056
5	3-14-2023	6-13-2023	0.4036	0.4036
6	6-14-2023	9-13-2023	0.9124	0.9124
7	9-14-2023	9-30-2023	0.1276	0.1276
		Highest	0.9124	0.9124

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	0.7709	0.0238	2.0617	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3692	3.3692	3.2300e-003	0.0000	3.4500
Energy	0.0149	0.1289	0.0663	8.1000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	659.1121	659.1121	0.0149	5.2000e-003	661.0350
Mobile	0.2821	1.3287	4.0573	0.0162	1.4294	0.0123	1.4418	0.3831	0.0115	0.3946	0.0000	1,501.8851	1,501.8851	0.0707	0.0000	1,503.6525
Waste						0.0000	0.0000		0.0000	0.0000	24.4036	0.0000	24.4036	1.4422	0.0000	60.4588
Water						0.0000	0.0000		0.0000	0.0000	4.3700	151.0224	155.3924	0.4524	0.0113	170.0808
Total	1.0678	1.4813	6.1854	0.0172	1.4294	0.0340	1.4635	0.3831	0.0332	0.4163	28.7736	2,315.3887	2,344.1623	1.9835	0.0165	2,398.6771

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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	0.7709	0.0238	2.0617	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3692	3.3692	3.2300e-003	0.0000	3.4500
Energy	0.0149	0.1289	0.0663	8.1000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	659.1121	659.1121	0.0149	5.2000e-003	661.0350
Mobile	0.2821	1.3287	4.0573	0.0162	1.4294	0.0123	1.4418	0.3831	0.0115	0.3946	0.0000	1,501.8851	1,501.8851	0.0707	0.0000	1,503.6525
Waste						0.0000	0.0000		0.0000	0.0000	24.4036	0.0000	24.4036	1.4422	0.0000	60.4588
Water						0.0000	0.0000		0.0000	0.0000	4.3700	151.0224	155.3924	0.4524	0.0113	170.0808
Total	1.0678	1.4813	6.1854	0.0172	1.4294	0.0340	1.4635	0.3831	0.0332	0.4163	28.7736	2,315.3887	2,344.1623	1.9835	0.0165	2,398.6771

	ROG	NOx	CO	SO2	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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/14/2022	3/18/2022	5	5	
2	Grading	Grading	3/21/2022	3/22/2022	5	2	
3	Building Construction	Building Construction	3/23/2022	9/22/2023	5	393	
4	Architectural Coating	Architectural Coating	7/24/2023	9/22/2023	5	45	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.1

Acres of Paving: 0

Residential Indoor: 360,450; Residential Outdoor: 120,150; Non-Residential Indoor: 3,675; Non-Residential Outdoor: 1,225; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Excavators	1	8.00	158	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	1	8.00	203	0.36
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	2	5.00	0.00	5.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	14.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	145.00	22.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	29.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.9000e-004	0.0000	5.9000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2300e-003	0.0120	0.0120	3.0000e-005		4.7000e-004	4.7000e-004		4.3000e-004	4.3000e-004	0.0000	2.5076	2.5076	8.1000e-004	0.0000	2.5279
Total	1.2300e-003	0.0120	0.0120	3.0000e-005	5.9000e-004	4.7000e-004	1.0600e-003	9.0000e-005	4.3000e-004	5.2000e-004	0.0000	2.5076	2.5076	8.1000e-004	0.0000	2.5279

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3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.2700e-003	3.5000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4343	0.4343	3.0000e-005	0.0000	0.4350
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	4.4000e-004	0.0000	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1193	0.1193	0.0000	0.0000	0.1194
Total	9.0000e-005	1.3100e-003	7.9000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.5536	0.5536	3.0000e-005	0.0000	0.5543

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					2.6000e-004	0.0000	2.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2300e-003	0.0120	0.0120	3.0000e-005		4.7000e-004	4.7000e-004		4.3000e-004	4.3000e-004	0.0000	2.5076	2.5076	8.1000e-004	0.0000	2.5279
Total	1.2300e-003	0.0120	0.0120	3.0000e-005	2.6000e-004	4.7000e-004	7.3000e-004	4.0000e-005	4.3000e-004	4.7000e-004	0.0000	2.5076	2.5076	8.1000e-004	0.0000	2.5279

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3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.2700e-003	3.5000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.4343	0.4343	3.0000e-005	0.0000	0.4350
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	4.4000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1193	0.1193	0.0000	0.0000	0.1194
Total	9.0000e-005	1.3100e-003	7.9000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.5536	0.5536	3.0000e-005	0.0000	0.5543

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.6100e-003	0.0000	6.6100e-003	3.3700e-003	0.0000	3.3700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5500e-003	0.0159	0.0104	3.0000e-005		6.8000e-004	6.8000e-004		6.2000e-004	6.2000e-004	0.0000	2.5821	2.5821	8.4000e-004	0.0000	2.6030
Total	1.5500e-003	0.0159	0.0104	3.0000e-005	6.6100e-003	6.8000e-004	7.2900e-003	3.3700e-003	6.2000e-004	3.9900e-003	0.0000	2.5821	2.5821	8.4000e-004	0.0000	2.6030

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3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2000e-004	3.5600e-003	9.8000e-004	1.0000e-005	3.0000e-004	1.0000e-005	3.1000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.2160	1.2160	8.0000e-005	0.0000	1.2179
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	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0954	0.0954	0.0000	0.0000	0.0955
Total	1.6000e-004	3.5900e-003	1.3300e-003	1.0000e-005	4.1000e-004	1.0000e-005	4.2000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.3114	1.3114	8.0000e-005	0.0000	1.3134

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					2.9800e-003	0.0000	2.9800e-003	1.5200e-003	0.0000	1.5200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5500e-003	0.0159	0.0104	3.0000e-005		6.8000e-004	6.8000e-004		6.2000e-004	6.2000e-004	0.0000	2.5821	2.5821	8.4000e-004	0.0000	2.6030
Total	1.5500e-003	0.0159	0.0104	3.0000e-005	2.9800e-003	6.8000e-004	3.6600e-003	1.5200e-003	6.2000e-004	2.1400e-003	0.0000	2.5821	2.5821	8.4000e-004	0.0000	2.6030

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3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2000e-004	3.5600e-003	9.8000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	1.2160	1.2160	8.0000e-005	0.0000	1.2179
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	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0954	0.0954	0.0000	0.0000	0.0955
Total	1.6000e-004	3.5900e-003	1.3300e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.8000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.3114	1.3114	8.0000e-005	0.0000	1.3134

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0957	0.9679	0.9695	1.7600e-003		0.0381	0.0381		0.0356	0.0356	0.0000	150.4767	150.4767	0.0448	0.0000	151.5960
Total	0.0957	0.9679	0.9695	1.7600e-003		0.0381	0.0381		0.0356	0.0356	0.0000	150.4767	150.4767	0.0448	0.0000	151.5960

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3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5100e-003	0.2094	0.0565	5.6000e-004	0.0141	3.9000e-004	0.0145	4.0600e-003	3.8000e-004	4.4400e-003	0.0000	54.5592	54.5592	3.2600e-003	0.0000	54.6407
Worker	0.0594	0.0445	0.5128	1.5500e-003	0.1613	1.2900e-003	0.1626	0.0428	1.1900e-003	0.0440	0.0000	140.4277	140.4277	3.8700e-003	0.0000	140.5244
Total	0.0659	0.2539	0.5693	2.1100e-003	0.1753	1.6800e-003	0.1770	0.0469	1.5700e-003	0.0485	0.0000	194.9870	194.9870	7.1300e-003	0.0000	195.1651

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	0.0957	0.9679	0.9695	1.7600e-003		0.0381	0.0381		0.0356	0.0356	0.0000	150.4765	150.4765	0.0448	0.0000	151.5959
Total	0.0957	0.9679	0.9695	1.7600e-003		0.0381	0.0381		0.0356	0.0356	0.0000	150.4765	150.4765	0.0448	0.0000	151.5959

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3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5100e-003	0.2094	0.0565	5.6000e-004	9.4900e-003	3.9000e-004	9.8800e-003	2.9400e-003	3.8000e-004	3.3100e-003	0.0000	54.5592	54.5592	3.2600e-003	0.0000	54.6407
Worker	0.0594	0.0445	0.5128	1.5500e-003	0.0970	1.2900e-003	0.0983	0.0271	1.1900e-003	0.0282	0.0000	140.4277	140.4277	3.8700e-003	0.0000	140.5244
Total	0.0659	0.2539	0.5693	2.1100e-003	0.1065	1.6800e-003	0.1081	0.0300	1.5700e-003	0.0316	0.0000	194.9870	194.9870	7.1300e-003	0.0000	195.1651

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0838	0.8455	0.8999	1.6400e-003		0.0317	0.0317		0.0296	0.0296	0.0000	140.8559	140.8559	0.0417	0.0000	141.8990
Total	0.0838	0.8455	0.8999	1.6400e-003		0.0317	0.0317		0.0296	0.0296	0.0000	140.8559	140.8559	0.0417	0.0000	141.8990

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3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5200e-003	0.1481	0.0475	5.1000e-004	0.0132	1.7000e-004	0.0133	3.8000e-003	1.7000e-004	3.9600e-003	0.0000	49.4666	49.4666	2.7000e-003	0.0000	49.5340
Worker	0.0523	0.0377	0.4414	1.4000e-003	0.1510	1.1700e-003	0.1521	0.0401	1.0800e-003	0.0412	0.0000	126.6252	126.6252	3.2600e-003	0.0000	126.7067
Total	0.0568	0.1858	0.4888	1.9100e-003	0.1641	1.3400e-003	0.1655	0.0439	1.2500e-003	0.0451	0.0000	176.0919	176.0919	5.9600e-003	0.0000	176.2408

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	0.0838	0.8455	0.8999	1.6400e-003		0.0317	0.0317		0.0296	0.0296	0.0000	140.8557	140.8557	0.0417	0.0000	141.8988
Total	0.0838	0.8455	0.8999	1.6400e-003		0.0317	0.0317		0.0296	0.0296	0.0000	140.8557	140.8557	0.0417	0.0000	141.8988

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3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5200e-003	0.1481	0.0475	5.1000e-004	8.8800e-003	1.7000e-004	9.0500e-003	2.7500e-003	1.7000e-004	2.9100e-003	0.0000	49.4666	49.4666	2.7000e-003	0.0000	49.5340
Worker	0.0523	0.0377	0.4414	1.4000e-003	0.0908	1.1700e-003	0.0919	0.0253	1.0800e-003	0.0264	0.0000	126.6252	126.6252	3.2600e-003	0.0000	126.7067
Total	0.0568	0.1858	0.4888	1.9100e-003	0.0996	1.3400e-003	0.1010	0.0281	1.2500e-003	0.0293	0.0000	176.0919	176.0919	5.9600e-003	0.0000	176.2408

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5683					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7500e-003	0.0391	0.0543	9.0000e-005		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	7.6598	7.6598	4.6000e-004	0.0000	7.6712
Total	0.5740	0.0391	0.0543	9.0000e-005		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	7.6598	7.6598	4.6000e-004	0.0000	7.6712

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3.5 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4800e-003	1.7900e-003	0.0209	7.0000e-005	7.1500e-003	6.0000e-005	7.2100e-003	1.9000e-003	5.0000e-005	1.9500e-003	0.0000	5.9980	5.9980	1.5000e-004	0.0000	6.0019
Total	2.4800e-003	1.7900e-003	0.0209	7.0000e-005	7.1500e-003	6.0000e-005	7.2100e-003	1.9000e-003	5.0000e-005	1.9500e-003	0.0000	5.9980	5.9980	1.5000e-004	0.0000	6.0019

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	0.5683					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7500e-003	0.0391	0.0543	9.0000e-005		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	7.6598	7.6598	4.6000e-004	0.0000	7.6712
Total	0.5740	0.0391	0.0543	9.0000e-005		2.1200e-003	2.1200e-003		2.1200e-003	2.1200e-003	0.0000	7.6598	7.6598	4.6000e-004	0.0000	7.6712

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3.5 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4800e-003	1.7900e-003	0.0209	7.0000e-005	4.3000e-003	6.0000e-005	4.3500e-003	1.2000e-003	5.0000e-005	1.2500e-003	0.0000	5.9980	5.9980	1.5000e-004	0.0000	6.0019
Total	2.4800e-003	1.7900e-003	0.0209	7.0000e-005	4.3000e-003	6.0000e-005	4.3500e-003	1.2000e-003	5.0000e-005	1.2500e-003	0.0000	5.9980	5.9980	1.5000e-004	0.0000	6.0019

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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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	0.2821	1.3287	4.0573	0.0162	1.4294	0.0123	1.4418	0.3831	0.0115	0.3946	0.0000	1,501.885 1	1,501.885 1	0.0707	0.0000	1,503.652 5
Unmitigated	0.2821	1.3287	4.0573	0.0162	1.4294	0.0123	1.4418	0.3831	0.0115	0.3946	0.0000	1,501.885 1	1,501.885 1	0.0707	0.0000	1,503.652 5

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	924.00	924.00	924.00	3,554,399	3,554,399
Fast Food Restaurant w/o Drive Thru	70.76	70.76	70.76	212,171	212,171
Total	994.76	994.76	994.76	3,766,570	3,766,570

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	40.00	19.00	41.00	100	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Fast Food Restaurant w/o Drive Thru	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	511.7747	511.7747	0.0121	2.5000e-003	512.8221
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	511.7747	511.7747	0.0121	2.5000e-003	512.8221
NaturalGas Mitigated	0.0149	0.1289	0.0663	8.1000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	147.3374	147.3374	2.8200e-003	2.7000e-003	148.2129
NaturalGas Unmitigated	0.0149	0.1289	0.0663	8.1000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	147.3374	147.3374	2.8200e-003	2.7000e-003	148.2129

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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	2.19564e+006	0.0118	0.1012	0.0431	6.5000e-004		8.1800e-003	8.1800e-003		8.1800e-003	8.1800e-003	0.0000	117.1675	117.1675	2.2500e-003	2.1500e-003	117.8638
Fast Food Restaurant w/o Drive Thru	565362	3.0500e-003	0.0277	0.0233	1.7000e-004		2.1100e-003	2.1100e-003		2.1100e-003	2.1100e-003	0.0000	30.1699	30.1699	5.8000e-004	5.5000e-004	30.3492
Total		0.0149	0.1289	0.0663	8.2000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	147.3374	147.3374	2.8300e-003	2.7000e-003	148.2129

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	2.19564e+006	0.0118	0.1012	0.0431	6.5000e-004		8.1800e-003	8.1800e-003		8.1800e-003	8.1800e-003	0.0000	117.1675	117.1675	2.2500e-003	2.1500e-003	117.8638
Fast Food Restaurant w/o Drive Thru	565362	3.0500e-003	0.0277	0.0233	1.7000e-004		2.1100e-003	2.1100e-003		2.1100e-003	2.1100e-003	0.0000	30.1699	30.1699	5.8000e-004	5.5000e-004	30.3492
Total		0.0149	0.1289	0.0663	8.2000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	147.3374	147.3374	2.8300e-003	2.7000e-003	148.2129

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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	810726	451.5432	0.0107	2.2100e-003	452.4673
Fast Food Restaurant w/o Drive Thru	108143	60.2315	1.4200e-003	2.9000e-004	60.3548
Total		511.7747	0.0121	2.5000e-003	512.8221

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	810726	451.5432	0.0107	2.2100e-003	452.4673
Fast Food Restaurant w/o Drive Thru	108143	60.2315	1.4200e-003	2.9000e-004	60.3548
Total		511.7747	0.0121	2.5000e-003	512.8221

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	0.7709	0.0238	2.0617	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3692	3.3692	3.2300e-003	0.0000	3.4500
Unmitigated	0.7709	0.0238	2.0617	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3692	3.3692	3.2300e-003	0.0000	3.4500

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0568					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6521					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	0.0620	0.0238	2.0617	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3692	3.3692	3.2300e-003	0.0000	3.4500
Total	0.7709	0.0238	2.0617	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3692	3.3692	3.2300e-003	0.0000	3.4500

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0568					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6521					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	0.0620	0.0238	2.0617	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3692	3.3692	3.2300e-003	0.0000	3.4500
Total	0.7709	0.0238	2.0617	1.1000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	3.3692	3.3692	3.2300e-003	0.0000	3.4500

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	155.3924	0.4524	0.0113	170.0808
Unmitigated	155.3924	0.4524	0.0113	170.0808

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	13.0308 / 8.21507	149.4696	0.4280	0.0107	163.3700
Fast Food Restaurant w/o Drive Thru	0.743658 / 0.0474675	5.9228	0.0244	6.0000e-004	6.7108
Total		155.3924	0.4524	0.0113	170.0808

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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	13.0308 / 8.21507	149.4696	0.4280	0.0107	163.3700
Fast Food Restaurant w/o Drive Thru	0.743658 / 0.0474675	5.9228	0.0244	6.0000e-004	6.7108
Total		155.3924	0.4524	0.0113	170.0808

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	24.4036	1.4422	0.0000	60.4588
Unmitigated	24.4036	1.4422	0.0000	60.4588

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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	92	18.6752	1.1037	0.0000	46.2669
Fast Food Restaurant w/o Drive Thru	28.22	5.7284	0.3385	0.0000	14.1919
Total		24.4036	1.4422	0.0000	60.4588

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	92	18.6752	1.1037	0.0000	46.2669
Fast Food Restaurant w/o Drive Thru	28.22	5.7284	0.3385	0.0000	14.1919
Total		24.4036	1.4422	0.0000	60.4588

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

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Summer

8141 Van Nuys - Proposed Building
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Fast Food Restaurant w/o Drive Thru	2.45	1000sqft	0.00	2,450.00	0
Apartment Mid Rise	200.00	Dwelling Unit	1.10	178,000.00	572

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Summer

Project Characteristics - Applicant Info

Land Use - Applicant Info

Construction Phase - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Trips and VMT - Applicant Info. Export materials would be taken to Irwindale Dump Site.

Demolition - Applicant Info

Grading - Applicant Info

Vehicle Trips - Overland Traffic Consultants, Inc.

Woodstoves - No hearths.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	46
tblConstructionPhase	NumDays	10.00	45.00
tblConstructionPhase	NumDays	200.00	393.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	4.00	2.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	170.00	0.00
tblFireplaces	NumberNoFireplace	20.00	0.00
tblFireplaces	NumberWood	10.00	0.00

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tblGrading	AcresOfGrading	0.00	1.10
tblGrading	MaterialExported	0.00	110.00
tblLandUse	LandUseSquareFeet	200,000.00	178,000.00
tblLandUse	LotAcreage	0.06	0.00
tblLandUse	LotAcreage	5.26	1.10
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	37.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	3.00	0.00

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tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	51.00	100.00
tblVehicleTrips	ST_TR	6.39	4.62
tblVehicleTrips	ST_TR	696.00	28.88
tblVehicleTrips	SU_TR	5.86	4.62
tblVehicleTrips	SU_TR	500.00	28.88
tblVehicleTrips	WD_TR	6.65	4.62
tblVehicleTrips	WD_TR	716.00	28.88
tblWoodstoves	NumberCatalytic	10.00	0.00
tblWoodstoves	NumberNoncatalytic	10.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

8141 Van Nuys - Proposed Building - Los Angeles-South Coast 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	4.3802	0.1900	16.4936	8.7000e-004		0.0914	0.0914		0.0914	0.0914	0.0000	29.7110	29.7110	0.0285	0.0000	30.4237
Energy	0.0816	0.7062	0.3635	4.4500e-003		0.0564	0.0564		0.0564	0.0564		889.9268	889.9268	0.0171	0.0163	895.2152
Mobile	1.6336	6.9916	23.2831	0.0924	8.0087	0.0677	8.0764	2.1430	0.0629	2.2059		9,419.5255	9,419.5255	0.4318		9,430.3201
Total	6.0954	7.8879	40.1401	0.0978	8.0087	0.2154	8.2241	2.1430	0.2107	2.3537	0.0000	10,339.1633	10,339.1633	0.4774	0.0163	10,355.9590

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.3802	0.1900	16.4936	8.7000e-004		0.0914	0.0914		0.0914	0.0914	0.0000	29.7110	29.7110	0.0285	0.0000	30.4237
Energy	0.0816	0.7062	0.3635	4.4500e-003		0.0564	0.0564		0.0564	0.0564		889.9268	889.9268	0.0171	0.0163	895.2152
Mobile	1.6336	6.9916	23.2831	0.0924	8.0087	0.0677	8.0764	2.1430	0.0629	2.2059		9,419.5255	9,419.5255	0.4318		9,430.3201
Total	6.0954	7.8879	40.1401	0.0978	8.0087	0.2154	8.2241	2.1430	0.2107	2.3537	0.0000	10,339.1633	10,339.1633	0.4774	0.0163	10,355.9590

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	3/14/2022	3/18/2022	5	5	
2	Grading	Grading	3/21/2022	3/22/2022	5	2	
3	Building Construction	Building Construction	3/23/2022	9/22/2023	5	393	
4	Architectural Coating	Architectural Coating	7/24/2023	9/22/2023	5	45	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.1

Acres of Paving: 0

Residential Indoor: 360,450; Residential Outdoor: 120,150; Non-Residential Indoor: 3,675; Non-Residential Outdoor: 1,225; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Excavators	1	8.00	158	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	1	8.00	203	0.36
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48

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	2	5.00	0.00	5.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	14.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	145.00	22.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	29.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Summer

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2354	0.0000	0.2354	0.0356	0.0000	0.0356			0.0000			0.0000
Off-Road	0.4938	4.8020	4.7864	0.0114		0.1874	0.1874		0.1724	0.1724		1,105.6796	1,105.6796	0.3576		1,114.6196
Total	0.4938	4.8020	4.7864	0.0114	0.2354	0.1874	0.4228	0.0356	0.1724	0.2080		1,105.6796	1,105.6796	0.3576		1,114.6196

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	0.0176	0.4876	0.1390	1.7700e-003	0.0437	1.7400e-003	0.0454	0.0120	1.6700e-003	0.0136		192.0996	192.0996	0.0119		192.3982
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	0.0201	0.0133	0.1858	5.5000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		54.9356	54.9356	1.5200e-003		54.9735
Total	0.0377	0.5009	0.3248	2.3200e-003	0.0996	2.1800e-003	0.1018	0.0268	2.0700e-003	0.0289		247.0353	247.0353	0.0135		247.3717

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Summer

3.2 Demolition - 2022

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					0.1059	0.0000	0.1059	0.0160	0.0000	0.0160			0.0000			0.0000
Off-Road	0.4938	4.8020	4.7864	0.0114		0.1874	0.1874		0.1724	0.1724	0.0000	1,105.6796	1,105.6796	0.3576		1,114.6196
Total	0.4938	4.8020	4.7864	0.0114	0.1059	0.1874	0.2933	0.0160	0.1724	0.1884	0.0000	1,105.6796	1,105.6796	0.3576		1,114.6196

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	0.0176	0.4876	0.1390	1.7700e-003	0.0285	1.7400e-003	0.0302	8.2400e-003	1.6700e-003	9.9100e-003		192.0996	192.0996	0.0119		192.3982
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	0.0201	0.0133	0.1858	5.5000e-004	0.0335	4.4000e-004	0.0340	9.3400e-003	4.0000e-004	9.7400e-003		54.9356	54.9356	1.5200e-003		54.9735
Total	0.0377	0.5009	0.3248	2.3200e-003	0.0620	2.1800e-003	0.0642	0.0176	2.0700e-003	0.0197		247.0353	247.0353	0.0135		247.3717

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Summer

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6116	0.0000	6.6116	3.3742	0.0000	3.3742			0.0000			0.0000
Off-Road	1.5550	15.8620	10.4095	0.0294		0.6775	0.6775		0.6233	0.6233		2,846.2758	2,846.2758	0.9205		2,869.2893
Total	1.5550	15.8620	10.4095	0.0294	6.6116	0.6775	7.2891	3.3742	0.6233	3.9975		2,846.2758	2,846.2758	0.9205		2,869.2893

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	0.1232	3.4131	0.9727	0.0124	0.3058	0.0122	0.3180	0.0838	0.0117	0.0955		1,344.6975	1,344.6975	0.0836		1,346.7873
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	0.0402	0.0266	0.3716	1.1000e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		109.8712	109.8712	3.0300e-003		109.9470
Total	0.1634	3.4398	1.3443	0.0135	0.4176	0.0131	0.4307	0.1134	0.0125	0.1259		1,454.5687	1,454.5687	0.0866		1,456.7344

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Summer

3.3 Grading - 2022

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					2.9752	0.0000	2.9752	1.5184	0.0000	1.5184			0.0000			0.0000
Off-Road	1.5550	15.8620	10.4095	0.0294		0.6775	0.6775		0.6233	0.6233	0.0000	2,846.2758	2,846.2758	0.9205		2,869.2893
Total	1.5550	15.8620	10.4095	0.0294	2.9752	0.6775	3.6527	1.5184	0.6233	2.1417	0.0000	2,846.2758	2,846.2758	0.9205		2,869.2893

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	0.1232	3.4131	0.9727	0.0124	0.1994	0.0122	0.2116	0.0577	0.0117	0.0694		1,344.6975	1,344.6975	0.0836		1,346.7873
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	0.0402	0.0266	0.3716	1.1000e-003	0.0671	8.7000e-004	0.0680	0.0187	8.1000e-004	0.0195		109.8712	109.8712	3.0300e-003		109.9470
Total	0.1634	3.4398	1.3443	0.0135	0.2664	0.0131	0.2795	0.0764	0.0125	0.0888		1,454.5687	1,454.5687	0.0866		1,456.7344

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9431	9.5364	9.5521	0.0173		0.3754	0.3754		0.3505	0.3505		1,634.2083	1,634.2083	0.4863		1,646.3648
Total	0.9431	9.5364	9.5521	0.0173		0.3754	0.3754		0.3505	0.3505		1,634.2083	1,634.2083	0.4863		1,646.3648

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	0.0628	2.0313	0.5283	5.6000e-003	0.1409	3.8200e-003	0.1447	0.0406	3.6500e-003	0.0442		599.4690	599.4690	0.0344		600.3290
Worker	0.5822	0.3859	5.3882	0.0160	1.6208	0.0127	1.6335	0.4298	0.0117	0.4415		1,593.1329	1,593.1329	0.0440		1,594.2321
Total	0.6450	2.4172	5.9166	0.0216	1.7616	0.0165	1.7781	0.4704	0.0153	0.4857		2,192.6018	2,192.6018	0.0784		2,194.5611

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2022

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	0.9431	9.5364	9.5521	0.0173		0.3754	0.3754		0.3505	0.3505	0.0000	1,634.2083	1,634.2083	0.4863		1,646.3648
Total	0.9431	9.5364	9.5521	0.0173		0.3754	0.3754		0.3505	0.3505	0.0000	1,634.2083	1,634.2083	0.4863		1,646.3648

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	0.0628	2.0313	0.5283	5.6000e-003	0.0947	3.8200e-003	0.0985	0.0292	3.6500e-003	0.0329		599.4690	599.4690	0.0344		600.3290
Worker	0.5822	0.3859	5.3882	0.0160	0.9726	0.0127	0.9853	0.2707	0.0117	0.2824		1,593.1329	1,593.1329	0.0440		1,594.2321
Total	0.6450	2.4172	5.9166	0.0216	1.0673	0.0165	1.0838	0.3000	0.0153	0.3153		2,192.6018	2,192.6018	0.0784		2,194.5611

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8825	8.8995	9.4723	0.0173		0.3336	0.3336		0.3113	0.3113		1,634.390 1	1,634.390 1	0.4841		1,646.493 3
Total	0.8825	8.8995	9.4723	0.0173		0.3336	0.3336		0.3113	0.3113		1,634.390 1	1,634.390 1	0.4841		1,646.493 3

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	0.0466	1.5413	0.4771	5.4200e-003	0.1409	1.7800e-003	0.1426	0.0406	1.7000e-003	0.0423		580.5963	580.5963	0.0305		581.3585
Worker	0.5467	0.3492	4.9621	0.0154	1.6208	0.0123	1.6331	0.4298	0.0114	0.4412		1,534.798 9	1,534.798 9	0.0397		1,535.790 0
Total	0.5933	1.8904	5.4392	0.0208	1.7616	0.0141	1.7757	0.4704	0.0131	0.4834		2,115.395 2	2,115.395 2	0.0701		2,117.148 5

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2023

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	0.8825	8.8995	9.4723	0.0173		0.3336	0.3336		0.3113	0.3113	0.0000	1,634.390 1	1,634.390 1	0.4841		1,646.493 3
Total	0.8825	8.8995	9.4723	0.0173		0.3336	0.3336		0.3113	0.3113	0.0000	1,634.390 1	1,634.390 1	0.4841		1,646.493 3

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	0.0466	1.5413	0.4771	5.4200e-003	0.0947	1.7800e-003	0.0965	0.0292	1.7000e-003	0.0309		580.5963	580.5963	0.0305		581.3585
Worker	0.5467	0.3492	4.9621	0.0154	0.9726	0.0123	0.9849	0.2707	0.0114	0.2821		1,534.798 9	1,534.798 9	0.0397		1,535.790 0
Total	0.5933	1.8904	5.4392	0.0208	1.0673	0.0141	1.0814	0.3000	0.0131	0.3130		2,115.395 2	2,115.395 2	0.0701		2,117.148 5

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Summer

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.2556					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
Total	25.5112	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253

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	0.1094	0.0698	0.9924	3.0800e-003	0.3242	2.4700e-003	0.3266	0.0860	2.2700e-003	0.0882		306.9598	306.9598	7.9300e-003		307.1580
Total	0.1094	0.0698	0.9924	3.0800e-003	0.3242	2.4700e-003	0.3266	0.0860	2.2700e-003	0.0882		306.9598	306.9598	7.9300e-003		307.1580

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Summer

3.5 Architectural Coating - 2023

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	25.2556					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
Total	25.5112	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253

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	0.1094	0.0698	0.9924	3.0800e-003	0.1945	2.4700e-003	0.1970	0.0542	2.2700e-003	0.0564		306.9598	306.9598	7.9300e-003		307.1580
Total	0.1094	0.0698	0.9924	3.0800e-003	0.1945	2.4700e-003	0.1970	0.0542	2.2700e-003	0.0564		306.9598	306.9598	7.9300e-003		307.1580

4.0 Operational Detail - Mobile

8141 Van Nuys - Proposed Building - Los Angeles-South Coast 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	1.6336	6.9916	23.2831	0.0924	8.0087	0.0677	8.0764	2.1430	0.0629	2.2059		9,419.5255	9,419.5255	0.4318		9,430.3201
Unmitigated	1.6336	6.9916	23.2831	0.0924	8.0087	0.0677	8.0764	2.1430	0.0629	2.2059		9,419.5255	9,419.5255	0.4318		9,430.3201

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	924.00	924.00	924.00	3,554,399	3,554,399
Fast Food Restaurant w/o Drive Thru	70.76	70.76	70.76	212,171	212,171
Total	994.76	994.76	994.76	3,766,570	3,766,570

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	40.00	19.00	41.00	100	0	0
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	100	0	0

4.4 Fleet Mix

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Fast Food Restaurant w/o Drive Thru	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

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	0.0816	0.7062	0.3635	4.4500e-003		0.0564	0.0564		0.0564	0.0564		889.9268	889.9268	0.0171	0.0163	895.2152
NaturalGas Unmitigated	0.0816	0.7062	0.3635	4.4500e-003		0.0564	0.0564		0.0564	0.0564		889.9268	889.9268	0.0171	0.0163	895.2152

8141 Van Nuys - Proposed Building - Los Angeles-South Coast 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	6015.44	0.0649	0.5544	0.2359	3.5400e-003		0.0448	0.0448		0.0448	0.0448		707.6990	707.6990	0.0136	0.0130	711.9045
Fast Food Restaurant w/o Drive Thru	1548.94	0.0167	0.1519	0.1276	9.1000e-004		0.0115	0.0115		0.0115	0.0115		182.2279	182.2279	3.4900e-003	3.3400e-003	183.3108
Total		0.0816	0.7062	0.3635	4.4500e-003		0.0564	0.0564		0.0564	0.0564		889.9268	889.9268	0.0171	0.0163	895.2152

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	6.01544	0.0649	0.5544	0.2359	3.5400e-003		0.0448	0.0448		0.0448	0.0448		707.6990	707.6990	0.0136	0.0130	711.9045
Fast Food Restaurant w/o Drive Thru	1.54894	0.0167	0.1519	0.1276	9.1000e-004		0.0115	0.0115		0.0115	0.0115		182.2279	182.2279	3.4900e-003	3.3400e-003	183.3108
Total		0.0816	0.7062	0.3635	4.4500e-003		0.0564	0.0564		0.0564	0.0564		889.9268	889.9268	0.0171	0.0163	895.2152

6.0 Area Detail

6.1 Mitigation Measures Area

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.3802	0.1900	16.4936	8.7000e-004		0.0914	0.0914		0.0914	0.0914	0.0000	29.7110	29.7110	0.0285	0.0000	30.4237
Unmitigated	4.3802	0.1900	16.4936	8.7000e-004		0.0914	0.0914		0.0914	0.0914	0.0000	29.7110	29.7110	0.0285	0.0000	30.4237

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	0.3114					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5729					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	0.4959	0.1900	16.4936	8.7000e-004		0.0914	0.0914		0.0914	0.0914		29.7110	29.7110	0.0285		30.4237
Total	4.3802	0.1900	16.4936	8.7000e-004		0.0914	0.0914		0.0914	0.0914	0.0000	29.7110	29.7110	0.0285	0.0000	30.4237

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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	lb/day										lb/day					
Architectural Coating	0.3114					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5729					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	0.4959	0.1900	16.4936	8.7000e-004		0.0914	0.0914		0.0914	0.0914		29.7110	29.7110	0.0285		30.4237
Total	4.3802	0.1900	16.4936	8.7000e-004		0.0914	0.0914		0.0914	0.0914	0.0000	29.7110	29.7110	0.0285	0.0000	30.4237

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

8141 Van Nuys - Proposed Building - Los Angeles-South Coast 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

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Winter

8141 Van Nuys - Proposed Building
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Fast Food Restaurant w/o Drive Thru	2.45	1000sqft	0.00	2,450.00	0
Apartment Mid Rise	200.00	Dwelling Unit	1.10	178,000.00	572

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Winter

Project Characteristics - Applicant Info

Land Use - Applicant Info

Construction Phase - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Off-road Equipment - Applicant Info

Trips and VMT - Applicant Info. Export materials would be taken to Irwindale Dump Site.

Demolition - Applicant Info

Grading - Applicant Info

Vehicle Trips - Overland Traffic Consultants, Inc.

Woodstoves - No hearths.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes SCAQMD Rule 403 control efficiencies.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	46
tblConstructionPhase	NumDays	10.00	45.00
tblConstructionPhase	NumDays	200.00	393.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	4.00	2.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	170.00	0.00
tblFireplaces	NumberNoFireplace	20.00	0.00
tblFireplaces	NumberWood	10.00	0.00

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tblGrading	AcresOfGrading	0.00	1.10
tblGrading	MaterialExported	0.00	110.00
tblLandUse	LandUseSquareFeet	200,000.00	178,000.00
tblLandUse	LotAcreage	0.06	0.00
tblLandUse	LotAcreage	5.26	1.10
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblTripsAndVMT	HaulingTripLength	20.00	50.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	37.00	0.00
tblVehicleTrips	HO_TTP	40.60	41.00
tblVehicleTrips	HS_TTP	19.20	19.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	PB_TP	3.00	0.00

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tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	51.00	100.00
tblVehicleTrips	ST_TR	6.39	4.62
tblVehicleTrips	ST_TR	696.00	28.88
tblVehicleTrips	SU_TR	5.86	4.62
tblVehicleTrips	SU_TR	500.00	28.88
tblVehicleTrips	WD_TR	6.65	4.62
tblVehicleTrips	WD_TR	716.00	28.88
tblWoodstoves	NumberCatalytic	10.00	0.00
tblWoodstoves	NumberNoncatalytic	10.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

8141 Van Nuys - Proposed Building - Los Angeles-South Coast 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	4.3802	0.1900	16.4936	8.7000e-004		0.0914	0.0914		0.0914	0.0914	0.0000	29.7110	29.7110	0.0285	0.0000	30.4237
Energy	0.0816	0.7062	0.3635	4.4500e-003		0.0564	0.0564		0.0564	0.0564		889.9268	889.9268	0.0171	0.0163	895.2152
Mobile	1.5830	7.1753	21.9316	0.0880	8.0087	0.0679	8.0766	2.1430	0.0631	2.2061		8,973.7459	8,973.7459	0.4293		8,984.4794
Total	6.0448	8.0716	38.7887	0.0933	8.0087	0.2157	8.2244	2.1430	0.2109	2.3539	0.0000	9,893.3837	9,893.3837	0.4749	0.0163	9,910.1184

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.3802	0.1900	16.4936	8.7000e-004		0.0914	0.0914		0.0914	0.0914	0.0000	29.7110	29.7110	0.0285	0.0000	30.4237
Energy	0.0816	0.7062	0.3635	4.4500e-003		0.0564	0.0564		0.0564	0.0564		889.9268	889.9268	0.0171	0.0163	895.2152
Mobile	1.5830	7.1753	21.9316	0.0880	8.0087	0.0679	8.0766	2.1430	0.0631	2.2061		8,973.7459	8,973.7459	0.4293		8,984.4794
Total	6.0448	8.0716	38.7887	0.0933	8.0087	0.2157	8.2244	2.1430	0.2109	2.3539	0.0000	9,893.3837	9,893.3837	0.4749	0.0163	9,910.1184

8141 Van Nuys - Proposed Building - Los Angeles-South Coast 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	3/14/2022	3/18/2022	5	5	
2	Grading	Grading	3/21/2022	3/22/2022	5	2	
3	Building Construction	Building Construction	3/23/2022	9/22/2023	5	393	
4	Architectural Coating	Architectural Coating	7/24/2023	9/22/2023	5	45	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.1

Acres of Paving: 0

Residential Indoor: 360,450; Residential Outdoor: 120,150; Non-Residential Indoor: 3,675; Non-Residential Outdoor: 1,225; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Excavators	1	8.00	158	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	1	8.00	203	0.36
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Rough Terrain Forklifts	2	8.00	100	0.40
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48

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	2	5.00	0.00	5.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	14.00	14.70	6.90	50.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	145.00	22.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	29.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Winter

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2354	0.0000	0.2354	0.0356	0.0000	0.0356			0.0000			0.0000
Off-Road	0.4938	4.8020	4.7864	0.0114		0.1874	0.1874		0.1724	0.1724		1,105.6796	1,105.6796	0.3576		1,114.6196
Total	0.4938	4.8020	4.7864	0.0114	0.2354	0.1874	0.4228	0.0356	0.1724	0.2080		1,105.6796	1,105.6796	0.3576		1,114.6196

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	0.0178	0.4998	0.1420	1.7500e-003	0.0437	1.7600e-003	0.0454	0.0120	1.6800e-003	0.0137		190.6378	190.6378	0.0121		190.9411
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	0.0224	0.0147	0.1696	5.2000e-004	0.0559	4.4000e-004	0.0563	0.0148	4.0000e-004	0.0152		51.7285	51.7285	1.4200e-003		51.7641
Total	0.0402	0.5145	0.3116	2.2700e-003	0.0996	2.2000e-003	0.1018	0.0268	2.0800e-003	0.0289		242.3663	242.3663	0.0136		242.7052

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Winter

3.2 Demolition - 2022

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					0.1059	0.0000	0.1059	0.0160	0.0000	0.0160			0.0000			0.0000
Off-Road	0.4938	4.8020	4.7864	0.0114		0.1874	0.1874		0.1724	0.1724	0.0000	1,105.6796	1,105.6796	0.3576		1,114.6196
Total	0.4938	4.8020	4.7864	0.0114	0.1059	0.1874	0.2933	0.0160	0.1724	0.1884	0.0000	1,105.6796	1,105.6796	0.3576		1,114.6196

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	0.0178	0.4998	0.1420	1.7500e-003	0.0285	1.7600e-003	0.0302	8.2400e-003	1.6800e-003	9.9200e-003		190.6378	190.6378	0.0121		190.9411
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	0.0224	0.0147	0.1696	5.2000e-004	0.0335	4.4000e-004	0.0340	9.3400e-003	4.0000e-004	9.7400e-003		51.7285	51.7285	1.4200e-003		51.7641
Total	0.0402	0.5145	0.3116	2.2700e-003	0.0620	2.2000e-003	0.0642	0.0176	2.0800e-003	0.0197		242.3663	242.3663	0.0136		242.7052

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Winter

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6116	0.0000	6.6116	3.3742	0.0000	3.3742			0.0000			0.0000
Off-Road	1.5550	15.8620	10.4095	0.0294		0.6775	0.6775		0.6233	0.6233		2,846.2758	2,846.2758	0.9205		2,869.2893
Total	1.5550	15.8620	10.4095	0.0294	6.6116	0.6775	7.2891	3.3742	0.6233	3.9975		2,846.2758	2,846.2758	0.9205		2,869.2893

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	0.1245	3.4984	0.9943	0.0123	0.3058	0.0123	0.3181	0.0838	0.0118	0.0956		1,334.4647	1,334.4647	0.0849		1,336.5879
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	0.0448	0.0295	0.3392	1.0400e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		103.4570	103.4570	2.8500e-003		103.5282
Total	0.1693	3.5279	1.3335	0.0133	0.4176	0.0132	0.4307	0.1134	0.0126	0.1260		1,437.9217	1,437.9217	0.0878		1,440.1160

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Winter

3.3 Grading - 2022

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					2.9752	0.0000	2.9752	1.5184	0.0000	1.5184			0.0000			0.0000
Off-Road	1.5550	15.8620	10.4095	0.0294		0.6775	0.6775		0.6233	0.6233	0.0000	2,846.2758	2,846.2758	0.9205		2,869.2893
Total	1.5550	15.8620	10.4095	0.0294	2.9752	0.6775	3.6527	1.5184	0.6233	2.1417	0.0000	2,846.2758	2,846.2758	0.9205		2,869.2893

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	0.1245	3.4984	0.9943	0.0123	0.1994	0.0123	0.2117	0.0577	0.0118	0.0694		1,334.4647	1,334.4647	0.0849		1,336.5879
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	0.0448	0.0295	0.3392	1.0400e-003	0.0671	8.7000e-004	0.0680	0.0187	8.1000e-004	0.0195		103.4570	103.4570	2.8500e-003		103.5282
Total	0.1693	3.5279	1.3335	0.0133	0.2664	0.0132	0.2796	0.0764	0.0126	0.0889		1,437.9217	1,437.9217	0.0878		1,440.1160

8141 Van Nuys - Proposed Building - Los Angeles-South Coast County, Winter

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9431	9.5364	9.5521	0.0173		0.3754	0.3754		0.3505	0.3505		1,634.2083	1,634.2083	0.4863		1,646.3648
Total	0.9431	9.5364	9.5521	0.0173		0.3754	0.3754		0.3505	0.3505		1,634.2083	1,634.2083	0.4863		1,646.3648

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	0.0659	2.0257	0.5847	5.4500e-003	0.1409	3.9400e-003	0.1448	0.0406	3.7700e-003	0.0443		582.9346	582.9346	0.0366		583.8505
Worker	0.6494	0.4271	4.9181	0.0151	1.6208	0.0127	1.6335	0.4298	0.0117	0.4415		1,500.1257	1,500.1257	0.0413		1,501.1584
Total	0.7153	2.4528	5.5028	0.0205	1.7616	0.0166	1.7782	0.4704	0.0155	0.4858		2,083.0603	2,083.0603	0.0780		2,085.0089

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3.4 Building Construction - 2022

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	0.9431	9.5364	9.5521	0.0173		0.3754	0.3754		0.3505	0.3505	0.0000	1,634.2083	1,634.2083	0.4863		1,646.3648
Total	0.9431	9.5364	9.5521	0.0173		0.3754	0.3754		0.3505	0.3505	0.0000	1,634.2083	1,634.2083	0.4863		1,646.3648

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	0.0659	2.0257	0.5847	5.4500e-003	0.0947	3.9400e-003	0.0986	0.0292	3.7700e-003	0.0330		582.9346	582.9346	0.0366		583.8505
Worker	0.6494	0.4271	4.9181	0.0151	0.9726	0.0127	0.9853	0.2707	0.0117	0.2824		1,500.1257	1,500.1257	0.0413		1,501.1584
Total	0.7153	2.4528	5.5028	0.0205	1.0673	0.0166	1.0839	0.3000	0.0155	0.3154		2,083.0603	2,083.0603	0.0780		2,085.0089

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3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8825	8.8995	9.4723	0.0173		0.3336	0.3336		0.3113	0.3113		1,634.390 1	1,634.390 1	0.4841		1,646.493 3
Total	0.8825	8.8995	9.4723	0.0173		0.3336	0.3336		0.3113	0.3113		1,634.390 1	1,634.390 1	0.4841		1,646.493 3

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	0.0490	1.5343	0.5196	5.2700e-003	0.1409	1.8700e-003	0.1427	0.0406	1.7900e-003	0.0423		564.8309	564.8309	0.0323		565.6372
Worker	0.6118	0.3863	4.5206	0.0145	1.6208	0.0123	1.6331	0.4298	0.0114	0.4412		1,445.244 8	1,445.244 8	0.0372		1,446.174 7
Total	0.6607	1.9205	5.0402	0.0198	1.7616	0.0142	1.7758	0.4704	0.0131	0.4835		2,010.075 7	2,010.075 7	0.0694		2,011.811 8

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3.4 Building Construction - 2023

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	0.8825	8.8995	9.4723	0.0173		0.3336	0.3336		0.3113	0.3113	0.0000	1,634.390 1	1,634.390 1	0.4841		1,646.493 3
Total	0.8825	8.8995	9.4723	0.0173		0.3336	0.3336		0.3113	0.3113	0.0000	1,634.390 1	1,634.390 1	0.4841		1,646.493 3

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	0.0490	1.5343	0.5196	5.2700e-003	0.0947	1.8700e-003	0.0966	0.0292	1.7900e-003	0.0310		564.8309	564.8309	0.0323		565.6372
Worker	0.6118	0.3863	4.5206	0.0145	0.9726	0.0123	0.9849	0.2707	0.0114	0.2821		1,445.244 8	1,445.244 8	0.0372		1,446.174 7
Total	0.6607	1.9205	5.0402	0.0198	1.0673	0.0142	1.0815	0.3000	0.0131	0.3131		2,010.075 7	2,010.075 7	0.0694		2,011.811 8

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3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.2556					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
Total	25.5112	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253

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	0.1224	0.0773	0.9041	2.9000e-003	0.3242	2.4700e-003	0.3266	0.0860	2.2700e-003	0.0882		289.0490	289.0490	7.4400e-003		289.2349
Total	0.1224	0.0773	0.9041	2.9000e-003	0.3242	2.4700e-003	0.3266	0.0860	2.2700e-003	0.0882		289.0490	289.0490	7.4400e-003		289.2349

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3.5 Architectural Coating - 2023

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	25.2556					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
Total	25.5112	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253

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	0.1224	0.0773	0.9041	2.9000e-003	0.1945	2.4700e-003	0.1970	0.0542	2.2700e-003	0.0564		289.0490	289.0490	7.4400e-003		289.2349
Total	0.1224	0.0773	0.9041	2.9000e-003	0.1945	2.4700e-003	0.1970	0.0542	2.2700e-003	0.0564		289.0490	289.0490	7.4400e-003		289.2349

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	lb/day										lb/day					
Mitigated	1.5830	7.1753	21.9316	0.0880	8.0087	0.0679	8.0766	2.1430	0.0631	2.2061		8,973.7459	8,973.7459	0.4293		8,984.4794
Unmitigated	1.5830	7.1753	21.9316	0.0880	8.0087	0.0679	8.0766	2.1430	0.0631	2.2061		8,973.7459	8,973.7459	0.4293		8,984.4794

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	924.00	924.00	924.00	3,554,399	3,554,399
Fast Food Restaurant w/o Drive Thru	70.76	70.76	70.76	212,171	212,171
Total	994.76	994.76	994.76	3,766,570	3,766,570

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	40.00	19.00	41.00	100	0	0
Fast Food Restaurant w/o Drive	16.60	8.40	6.90	1.50	79.50	19.00	100	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	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Fast Food Restaurant w/o Drive Thru	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

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	0.0816	0.7062	0.3635	4.4500e-003		0.0564	0.0564		0.0564	0.0564		889.9268	889.9268	0.0171	0.0163	895.2152
NaturalGas Unmitigated	0.0816	0.7062	0.3635	4.4500e-003		0.0564	0.0564		0.0564	0.0564		889.9268	889.9268	0.0171	0.0163	895.2152

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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	lb/day										lb/day					
Apartments Mid Rise	6015.44	0.0649	0.5544	0.2359	3.5400e-003		0.0448	0.0448		0.0448	0.0448		707.6990	707.6990	0.0136	0.0130	711.9045
Fast Food Restaurant w/o Drive Thru	1548.94	0.0167	0.1519	0.1276	9.1000e-004		0.0115	0.0115		0.0115	0.0115		182.2279	182.2279	3.4900e-003	3.3400e-003	183.3108
Total		0.0816	0.7062	0.3635	4.4500e-003		0.0564	0.0564		0.0564	0.0564		889.9268	889.9268	0.0171	0.0163	895.2152

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	6.01544	0.0649	0.5544	0.2359	3.5400e-003		0.0448	0.0448		0.0448	0.0448		707.6990	707.6990	0.0136	0.0130	711.9045
Fast Food Restaurant w/o Drive Thru	1.54894	0.0167	0.1519	0.1276	9.1000e-004		0.0115	0.0115		0.0115	0.0115		182.2279	182.2279	3.4900e-003	3.3400e-003	183.3108
Total		0.0816	0.7062	0.3635	4.4500e-003		0.0564	0.0564		0.0564	0.0564		889.9268	889.9268	0.0171	0.0163	895.2152

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	lb/day										lb/day					
Mitigated	4.3802	0.1900	16.4936	8.7000e-004		0.0914	0.0914		0.0914	0.0914	0.0000	29.7110	29.7110	0.0285	0.0000	30.4237
Unmitigated	4.3802	0.1900	16.4936	8.7000e-004		0.0914	0.0914		0.0914	0.0914	0.0000	29.7110	29.7110	0.0285	0.0000	30.4237

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	0.3114					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5729					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	0.4959	0.1900	16.4936	8.7000e-004		0.0914	0.0914		0.0914	0.0914		29.7110	29.7110	0.0285		30.4237
Total	4.3802	0.1900	16.4936	8.7000e-004		0.0914	0.0914		0.0914	0.0914	0.0000	29.7110	29.7110	0.0285	0.0000	30.4237

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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	lb/day										lb/day					
Architectural Coating	0.3114					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5729					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	0.4959	0.1900	16.4936	8.7000e-004		0.0914	0.0914		0.0914	0.0914		29.7110	29.7110	0.0285		30.4237
Total	4.3802	0.1900	16.4936	8.7000e-004		0.0914	0.0914		0.0914	0.0914	0.0000	29.7110	29.7110	0.0285	0.0000	30.4237

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

8141 Van Nuys - Proposed Building - Los Angeles-South Coast 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
