

Appendix B: Air Quality, Greenhouse Gas Emissions, and Energy Supporting Information

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B.1 - CalEEMod Output Files

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CalEEMod Output

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La Cañada – Phase 1 (Unmitigated Construction and Operations) - Los Angeles-South Coast County, Annual

La Cañada – Phase 1 (Unmitigated Construction and Operations)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.04	1000sqft	0.12	5,044.00	0
Other Non-Asphalt Surfaces	0.30	Acre	0.30	13,068.00	0
Recreational Swimming Pool	10.20	1000sqft	0.23	10,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2022		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	532.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - 10,200 square-foot swimming pool. Pool building area (equipment area, locker rooms, storage room, coach's office and restroom) represented as general office building (maximum building square footage used).

Construction Phase - Building Construction phase additionally accounts for pool deck, bleacher seating, floating bulkhead and light pole installation. Construction Schedule adjusted according to Applicant provided start and end dates.

Trips and VMT - 20 trailer trips for bleachers, 2 trailer trips for bulkhead and 8 trailer trips for light poles assumed.

Demolition - Two basketball courts totaling 17,000 square feet to demolished. Square footage converted to tons of debris.

Grading - Import and export assumptions for site preparation and grading phases provided by the Applicant.
 9,7000 cubic yards of material to be exported

Vehicle Trips - The project will not generate any new trips.

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Stationary Sources - Emergency Generators and Fire Pumps - 15 kW generator operating 12 hours per year as per information provided by the Applicant.

Existing - not being removed or added as part of the proposed project.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	229.00
tblConstructionPhase	NumDays	2.00	7.00
tblConstructionPhase	NumDays	1.00	65.00
tblGrading	MaterialExported	0.00	9,700.00
tblLandUse	LandUseSquareFeet	5,040.00	5,044.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblTripsAndVMT	HaulingTripNumber	0.00	30.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	33.82	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0729	0.8861	0.6084	1.5800e-003	0.0441	0.0346	0.0788	9.4700e-003	0.0320	0.0415	0.0000	144.1786	144.1786	0.0296	0.0000	144.9180
2022	0.1017	0.5327	0.5455	9.9000e-004	0.0111	0.0264	0.0375	3.0000e-003	0.0243	0.0273	0.0000	87.6804	87.6804	0.0235	0.0000	88.2680
Maximum	0.1017	0.8861	0.6084	1.5800e-003	0.0441	0.0346	0.0788	9.4700e-003	0.0320	0.0415	0.0000	144.1786	144.1786	0.0296	0.0000	144.9180

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	0.0729	0.8861	0.6084	1.5800e-003	0.0298	0.0346	0.0645	7.1200e-003	0.0320	0.0391	0.0000	144.1785	144.1785	0.0296	0.0000	144.9179
2022	0.1017	0.5327	0.5455	9.9000e-004	0.0111	0.0264	0.0375	3.0000e-003	0.0243	0.0273	0.0000	87.6803	87.6803	0.0235	0.0000	88.2679
Maximum	0.1017	0.8861	0.6084	1.5800e-003	0.0298	0.0346	0.0645	7.1200e-003	0.0320	0.0391	0.0000	144.1785	144.1785	0.0296	0.0000	144.9179

	ROG	NOx	CO	SO2	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	25.89	0.00	12.30	18.85	0.00	3.42	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	5-3-2021	8-2-2021	0.4284	0.4284
2	8-3-2021	11-2-2021	0.3201	0.3201
3	11-3-2021	2-2-2022	0.2956	0.2956
4	2-3-2022	5-2-2022	0.2638	0.2638
5	5-3-2022	8-2-2022	0.2767	0.2767
		Highest	0.4284	0.4284

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	0.0422	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004
Energy	2.8000e-004	2.5700e-003	2.1600e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	18.6301	18.6301	9.2000e-004	2.3000e-004	18.7214
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
Stationary	2.1000e-004	1.0800e-003	1.0000e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0960	0.0960	1.0000e-005	0.0000	0.0963
Waste						0.0000	0.0000		0.0000	0.0000	12.7539	0.0000	12.7539	0.7537	0.0000	31.5973
Water						0.0000	0.0000		0.0000	0.0000	0.4756	7.1810	7.6566	0.0492	1.2300e-003	9.2553
Total	0.0427	3.6500e-003	3.3600e-003	2.0000e-005	0.0000	3.2000e-004	3.2000e-004	0.0000	3.2000e-004	3.2000e-004	13.2295	25.9074	39.1369	0.8039	1.4600e-003	59.6707

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	0.0422	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004
Energy	2.8000e-004	2.5700e-003	2.1600e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	18.6301	18.6301	9.2000e-004	2.3000e-004	18.7214
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
Stationary	2.1000e-004	1.0800e-003	1.0000e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0960	0.0960	1.0000e-005	0.0000	0.0963
Waste						0.0000	0.0000		0.0000	0.0000	12.7539	0.0000	12.7539	0.7537	0.0000	31.5973
Water						0.0000	0.0000		0.0000	0.0000	0.4756	7.1810	7.6566	0.0492	1.2300e-003	9.2553
Total	0.0427	3.6500e-003	3.3600e-003	2.0000e-005	0.0000	3.2000e-004	3.2000e-004	0.0000	3.2000e-004	3.2000e-004	13.2295	25.9074	39.1369	0.8039	1.4600e-003	59.6707

	ROG	NOx	CO	SO2	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	5/3/2021	5/14/2021	5	10	
2	Site Preparation	Site Preparation	5/15/2021	8/13/2021	5	65	Removal of utilities, hauling, recompaction
3	Grading	Grading	8/14/2021	8/24/2021	5	7	
4	Building Construction	Building Construction	8/25/2021	7/11/2022	5	229	
5	Paving	Paving	7/12/2022	7/18/2022	5	5	
6	Architectural Coating	Architectural Coating	7/19/2022	7/25/2022	5	5	

Acres of Grading (Site Preparation Phase): 32.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 15,132; Non-Residential Outdoor: 5,044; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	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	4	10.00	0.00	28.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	1,213.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	11.00	5.00	30.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 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					3.0300e-003	0.0000	3.0300e-003	4.6000e-004	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9800e-003	0.0363	0.0379	6.0000e-005		2.0400e-003	2.0400e-003		1.9400e-003	1.9400e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289
Total	3.9800e-003	0.0363	0.0379	6.0000e-005	3.0300e-003	2.0400e-003	5.0700e-003	4.6000e-004	1.9400e-003	2.4000e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289

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	3.8800e-003	9.0000e-004	1.0000e-005	2.4000e-004	1.0000e-005	2.5000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.0672	1.0672	7.0000e-005	0.0000	1.0691
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	2.2000e-004	1.7000e-004	1.8900e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4945	0.4945	1.0000e-005	0.0000	0.4948
Total	3.4000e-004	4.0500e-003	2.7900e-003	2.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	1.5617	1.5617	8.0000e-005	0.0000	1.5639

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1800e-003	0.0000	1.1800e-003	1.8000e-004	0.0000	1.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9800e-003	0.0363	0.0379	6.0000e-005		2.0400e-003	2.0400e-003		1.9400e-003	1.9400e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289
Total	3.9800e-003	0.0363	0.0379	6.0000e-005	1.1800e-003	2.0400e-003	3.2200e-003	1.8000e-004	1.9400e-003	2.1200e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289

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	3.8800e-003	9.0000e-004	1.0000e-005	2.4000e-004	1.0000e-005	2.5000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.0672	1.0672	7.0000e-005	0.0000	1.0691
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	2.2000e-004	1.7000e-004	1.8900e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4945	0.4945	1.0000e-005	0.0000	0.4948
Total	3.4000e-004	4.0500e-003	2.7900e-003	2.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	1.5617	1.5617	8.0000e-005	0.0000	1.5639

3.3 Site Preparation - 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					0.0178	0.0000	0.0178	1.9400e-003	0.0000	1.9400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0208	0.2542	0.1309	3.2000e-004		9.7300e-003	9.7300e-003		8.9500e-003	8.9500e-003	0.0000	27.7907	27.7907	8.9900e-003	0.0000	28.0154
Total	0.0208	0.2542	0.1309	3.2000e-004	0.0178	9.7300e-003	0.0275	1.9400e-003	8.9500e-003	0.0109	0.0000	27.7907	27.7907	8.9900e-003	0.0000	28.0154

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	5.1100e-003	0.1679	0.0392	4.7000e-004	0.0104	5.0000e-004	0.0109	2.8600e-003	4.8000e-004	3.3400e-003	0.0000	46.2333	46.2333	3.2100e-003	0.0000	46.3135
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	7.0000e-004	5.4000e-004	6.1500e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.8000e-003	4.7000e-004	1.0000e-005	4.9000e-004	0.0000	1.6070	1.6070	5.0000e-005	0.0000	1.6082
Total	5.8100e-003	0.1684	0.0453	4.9000e-004	0.0122	5.1000e-004	0.0127	3.3300e-003	4.9000e-004	3.8300e-003	0.0000	47.8403	47.8403	3.2600e-003	0.0000	47.9217

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					6.9300e-003	0.0000	6.9300e-003	7.6000e-004	0.0000	7.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0208	0.2542	0.1309	3.2000e-004		9.7300e-003	9.7300e-003		8.9500e-003	8.9500e-003	0.0000	27.7907	27.7907	8.9900e-003	0.0000	28.0154
Total	0.0208	0.2542	0.1309	3.2000e-004	6.9300e-003	9.7300e-003	0.0167	7.6000e-004	8.9500e-003	9.7100e-003	0.0000	27.7907	27.7907	8.9900e-003	0.0000	28.0154

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	5.1100e-003	0.1679	0.0392	4.7000e-004	0.0104	5.0000e-004	0.0109	2.8600e-003	4.8000e-004	3.3400e-003	0.0000	46.2333	46.2333	3.2100e-003	0.0000	46.3135
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	7.0000e-004	5.4000e-004	6.1500e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.8000e-003	4.7000e-004	1.0000e-005	4.9000e-004	0.0000	1.6070	1.6070	5.0000e-005	0.0000	1.6082
Total	5.8100e-003	0.1684	0.0453	4.9000e-004	0.0122	5.1000e-004	0.0127	3.3300e-003	4.9000e-004	3.8300e-003	0.0000	47.8403	47.8403	3.2600e-003	0.0000	47.9217

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.6300e-003	0.0000	2.6300e-003	1.4500e-003	0.0000	1.4500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7900e-003	0.0254	0.0265	4.0000e-005		1.4300e-003	1.4300e-003		1.3600e-003	1.3600e-003	0.0000	3.6433	3.6433	6.8000e-004	0.0000	3.6602
Total	2.7900e-003	0.0254	0.0265	4.0000e-005	2.6300e-003	1.4300e-003	4.0600e-003	1.4500e-003	1.3600e-003	2.8100e-003	0.0000	3.6433	3.6433	6.8000e-004	0.0000	3.6602

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.3200e-003	0.0000	3.8000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3461	0.3461	1.0000e-005	0.0000	0.3464
Total	1.5000e-004	1.2000e-004	1.3200e-003	0.0000	3.8000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3461	0.3461	1.0000e-005	0.0000	0.3464

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0300e-003	0.0000	1.0300e-003	5.6000e-004	0.0000	5.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7900e-003	0.0254	0.0265	4.0000e-005		1.4300e-003	1.4300e-003		1.3600e-003	1.3600e-003	0.0000	3.6433	3.6433	6.8000e-004	0.0000	3.6602
Total	2.7900e-003	0.0254	0.0265	4.0000e-005	1.0300e-003	1.4300e-003	2.4600e-003	5.6000e-004	1.3600e-003	1.9200e-003	0.0000	3.6433	3.6433	6.8000e-004	0.0000	3.6602

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.3200e-003	0.0000	3.8000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3461	0.3461	1.0000e-005	0.0000	0.3464
Total	1.5000e-004	1.2000e-004	1.3200e-003	0.0000	3.8000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3461	0.3461	1.0000e-005	0.0000	0.3464

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0360	0.3713	0.3378	5.3000e-004		0.0208	0.0208		0.0192	0.0192	0.0000	46.5382	46.5382	0.0151	0.0000	46.9144
Total	0.0360	0.3713	0.3378	5.3000e-004		0.0208	0.0208		0.0192	0.0192	0.0000	46.5382	46.5382	0.0151	0.0000	46.9144

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	1.6900e-003	3.9000e-004	0.0000	2.2000e-004	1.0000e-005	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.4644	0.4644	3.0000e-005	0.0000	0.4652
Vendor	7.2000e-004	0.0230	6.2200e-003	6.0000e-005	1.4600e-003	5.0000e-005	1.5100e-003	4.2000e-004	4.0000e-005	4.7000e-004	0.0000	5.7311	5.7311	3.5000e-004	0.0000	5.7398
Worker	2.2000e-003	1.7100e-003	0.0193	6.0000e-005	5.6100e-003	5.0000e-005	5.6500e-003	1.4900e-003	4.0000e-005	1.5300e-003	0.0000	5.0583	5.0583	1.5000e-004	0.0000	5.0620
Total	2.9700e-003	0.0264	0.0260	1.2000e-004	7.2900e-003	1.1000e-004	7.3800e-003	1.9700e-003	8.0000e-005	2.0600e-003	0.0000	11.2537	11.2537	5.3000e-004	0.0000	11.2670

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	0.0360	0.3713	0.3378	5.3000e-004		0.0208	0.0208		0.0192	0.0192	0.0000	46.5381	46.5381	0.0151	0.0000	46.9144
Total	0.0360	0.3713	0.3378	5.3000e-004		0.0208	0.0208		0.0192	0.0192	0.0000	46.5381	46.5381	0.0151	0.0000	46.9144

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	1.6900e-003	3.9000e-004	0.0000	2.2000e-004	1.0000e-005	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.4644	0.4644	3.0000e-005	0.0000	0.4652
Vendor	7.2000e-004	0.0230	6.2200e-003	6.0000e-005	1.4600e-003	5.0000e-005	1.5100e-003	4.2000e-004	4.0000e-005	4.7000e-004	0.0000	5.7311	5.7311	3.5000e-004	0.0000	5.7398
Worker	2.2000e-003	1.7100e-003	0.0193	6.0000e-005	5.6100e-003	5.0000e-005	5.6500e-003	1.4900e-003	4.0000e-005	1.5300e-003	0.0000	5.0583	5.0583	1.5000e-004	0.0000	5.0620
Total	2.9700e-003	0.0264	0.0260	1.2000e-004	7.2900e-003	1.1000e-004	7.3800e-003	1.9700e-003	8.0000e-005	2.0600e-003	0.0000	11.2537	11.2537	5.3000e-004	0.0000	11.2670

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0467	0.4778	0.4864	7.8000e-004		0.0253	0.0253		0.0233	0.0233	0.0000	68.1004	68.1004	0.0220	0.0000	68.6511
Total	0.0467	0.4778	0.4864	7.8000e-004		0.0253	0.0253		0.0233	0.0233	0.0000	68.1004	68.1004	0.0220	0.0000	68.6511

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	7.0000e-005	2.2900e-003	5.7000e-004	1.0000e-005	2.3000e-004	1.0000e-005	2.4000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6710	0.6710	5.0000e-005	0.0000	0.6722
Vendor	9.9000e-004	0.0319	8.6100e-003	9.0000e-005	2.1400e-003	6.0000e-005	2.2000e-003	6.2000e-004	6.0000e-005	6.8000e-004	0.0000	8.3073	8.3073	5.0000e-004	0.0000	8.3197
Worker	3.0200e-003	2.2600e-003	0.0261	8.0000e-005	8.2000e-003	7.0000e-005	8.2600e-003	2.1800e-003	6.0000e-005	2.2400e-003	0.0000	7.1371	7.1371	2.0000e-004	0.0000	7.1420
Total	4.0800e-003	0.0364	0.0352	1.8000e-004	0.0106	1.4000e-004	0.0107	2.8600e-003	1.3000e-004	2.9900e-003	0.0000	16.1154	16.1154	7.5000e-004	0.0000	16.1338

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	0.0467	0.4778	0.4864	7.8000e-004		0.0253	0.0253		0.0233	0.0233	0.0000	68.1004	68.1004	0.0220	0.0000	68.6510
Total	0.0467	0.4778	0.4864	7.8000e-004		0.0253	0.0253		0.0233	0.0233	0.0000	68.1004	68.1004	0.0220	0.0000	68.6510

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	7.0000e-005	2.2900e-003	5.7000e-004	1.0000e-005	2.3000e-004	1.0000e-005	2.4000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6710	0.6710	5.0000e-005	0.0000	0.6722
Vendor	9.9000e-004	0.0319	8.6100e-003	9.0000e-005	2.1400e-003	6.0000e-005	2.2000e-003	6.2000e-004	6.0000e-005	6.8000e-004	0.0000	8.3073	8.3073	5.0000e-004	0.0000	8.3197
Worker	3.0200e-003	2.2600e-003	0.0261	8.0000e-005	8.2000e-003	7.0000e-005	8.2600e-003	2.1800e-003	6.0000e-005	2.2400e-003	0.0000	7.1371	7.1371	2.0000e-004	0.0000	7.1420
Total	4.0800e-003	0.0364	0.0352	1.8000e-004	0.0106	1.4000e-004	0.0107	2.8600e-003	1.3000e-004	2.9900e-003	0.0000	16.1154	16.1154	7.5000e-004	0.0000	16.1338

3.6 Paving - 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	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4294	0.4294	1.0000e-005	0.0000	0.4297
Total	1.8000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4294	0.4294	1.0000e-005	0.0000	0.4297

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	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4294	0.4294	1.0000e-005	0.0000	0.4297
Total	1.8000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4294	0.4294	1.0000e-005	0.0000	0.4297

3.7 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	0.0486					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0491	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	1.7000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0477	0.0477	0.0000	0.0000	0.0477
Total	2.0000e-005	2.0000e-005	1.7000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0477	0.0477	0.0000	0.0000	0.0477

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	0.0486					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0491	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	1.7000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0477	0.0477	0.0000	0.0000	0.0477
Total	2.0000e-005	2.0000e-005	1.7000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0477	0.0477	0.0000	0.0000	0.0477

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	0.0000	0.0000	0.0000	0.0000	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
General Office Building	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Recreational Swimming Pool	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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	16.60	8.40	6.90	33.00	48.00	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Recreational Swimming Pool	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

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	15.8280	15.8280	8.6000e-004	1.8000e-004	15.9027
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	15.8280	15.8280	8.6000e-004	1.8000e-004	15.9027
NaturalGas Mitigated	2.8000e-004	2.5700e-003	2.1600e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8020	2.8020	5.0000e-005	5.0000e-005	2.8187
NaturalGas Unmitigated	2.8000e-004	2.5700e-003	2.1600e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8020	2.8020	5.0000e-005	5.0000e-005	2.8187

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					
General Office Building	52508	2.8000e-004	2.5700e-003	2.1600e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8020	2.8020	5.0000e-005	5.0000e-005	2.8187
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.8000e-004	2.5700e-003	2.1600e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8020	2.8020	5.0000e-005	5.0000e-005	2.8187

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					
General Office Building	52508	2.8000e-004	2.5700e-003	2.1600e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8020	2.8020	5.0000e-005	5.0000e-005	2.8187
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.8000e-004	2.5700e-003	2.1600e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8020	2.8020	5.0000e-005	5.0000e-005	2.8187

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	65521.6	15.8280	8.6000e-004	1.8000e-004	15.9027
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Total		15.8280	8.6000e-004	1.8000e-004	15.9027

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	65521.6	15.8280	8.6000e-004	1.8000e-004	15.9027
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Total		15.8280	8.6000e-004	1.8000e-004	15.9027

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	0.0422	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004
Unmitigated	0.0422	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004

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	4.8600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0373					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004
Total	0.0422	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004

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	4.8600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0373					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004
Total	0.0422	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.1000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	7.6566	0.0492	1.2300e-003	9.2553
Unmitigated	7.6566	0.0492	1.2300e-003	9.2553

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.895778 / 0.549025	4.5753	0.0294	7.4000e-004	5.5307
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0.60326 / 0.36974	3.0813	0.0198	5.0000e-004	3.7246
Total		7.6566	0.0492	1.2400e-003	9.2553

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.895778 / 0.549025	4.5753	0.0294	7.4000e-004	5.5307
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0.60326 / 0.36974	3.0813	0.0198	5.0000e-004	3.7246
Total		7.6566	0.0492	1.2400e-003	9.2553

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	12.7539	0.7537	0.0000	31.5973
Unmitigated	12.7539	0.7537	0.0000	31.5973

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	4.69	0.9520	0.0563	0.0000	2.3586
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	58.14	11.8019	0.6975	0.0000	29.2387
Total		12.7539	0.7537	0.0000	31.5973

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	4.69	0.9520	0.0563	0.0000	2.3586
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	58.14	11.8019	0.6975	0.0000	29.2387
Total		12.7539	0.7537	0.0000	31.5973

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
Emergency Generator	1	0	12	21	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (11 - 25 HP)	2.1000e-004	1.0800e-003	1.0000e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0960	0.0960	1.0000e-005	0.0000	0.0963
Total	2.1000e-004	1.0800e-003	1.0000e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0960	0.0960	1.0000e-005	0.0000	0.0963

11.0 Vegetation

La Cañada – Phase 1 (Unmitigated Construction and Operations) - Los Angeles-South Coast County, Summer

La Cañada – Phase 1 (Unmitigated Construction and Operations)

Los Angeles-South Coast County, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.04	1000sqft	0.12	5,044.00	0
Other Non-Asphalt Surfaces	0.30	Acre	0.30	13,068.00	0
Recreational Swimming Pool	10.20	1000sqft	0.23	10,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2022		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - 10,200 square-foot swimming pool. Pool building area (equipment area, locker rooms, storage room, coach's office and restroom) represented as general office building (maximum building square footage used).

Construction Phase - Building Construction phase additionally accounts for pool deck, bleacher seating, floating bulkhead and light pole installation. Construction Schedule adjusted according to Applicant provided start and end dates.

Trips and VMT - 20 trailer trips for bleachers, 2 trailer trips for bulkhead and 8 trailer trips for light poles assumed.

Demolition - Two basketball courts totaling 17,000 square feet to demolished. Square footage converted to tons of debris.

Grading - Import and export assumptions for site preparation and grading phases provided by the Applicant.

9,7000 cubic yards of material to be exported

Vehicle Trips - The project will not generate any new trips.

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Stationary Sources - Emergency Generators and Fire Pumps - 15 kW generator operating 12 hours per year as per information provided by the Applicant.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	229.00
tblConstructionPhase	NumDays	2.00	7.00
tblConstructionPhase	NumDays	1.00	65.00
tblGrading	MaterialExported	0.00	9,700.00
tblLandUse	LandUseSquareFeet	5,040.00	5,044.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblTripsAndVMT	HaulingTripNumber	0.00	30.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	33.82	0.00

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	0.8628	12.8410	8.1480	0.0249	0.9293	0.4496	1.2728	0.4434	0.4137	0.8329	0.0000	2,579.1216	2,579.1216	0.4137	0.0000	2,589.4648
2022	19.6425	7.5493	7.7037	0.0140	0.2012	0.3739	0.5323	0.0534	0.3440	0.3867	0.0000	1,371.9983	1,371.9983	0.3689	0.0000	1,381.2216
Maximum	19.6425	12.8410	8.1480	0.0249	0.9293	0.4496	1.2728	0.4434	0.4137	0.8329	0.0000	2,579.1216	2,579.1216	0.4137	0.0000	2,589.4648

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	0.8628	12.8410	8.1480	0.0249	0.5956	0.4496	0.9109	0.1910	0.4137	0.5805	0.0000	2,579.1216	2,579.1216	0.4137	0.0000	2,589.4648
2022	19.6425	7.5493	7.7037	0.0140	0.2012	0.3739	0.5323	0.0534	0.3440	0.3867	0.0000	1,371.9983	1,371.9983	0.3689	0.0000	1,381.2216
Maximum	19.6425	12.8410	8.1480	0.0249	0.5956	0.4496	0.9109	0.1910	0.4137	0.5805	0.0000	2,579.1216	2,579.1216	0.4137	0.0000	2,589.4648

	ROG	NOx	CO	SO2	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	29.52	0.00	20.05	50.81	0.00	20.70	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2311	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003
Energy	1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250
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
Stationary	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	0.2327	0.0141	0.0134	8.0000e-005	0.0000	1.0800e-003	1.0800e-003	0.0000	1.0800e-003	1.0800e-003		16.9278	16.9278	3.3000e-004	3.1000e-004	17.0286

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	0.2311	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003
Energy	1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250
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
Stationary	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	0.2327	0.0141	0.0134	8.0000e-005	0.0000	1.0800e-003	1.0800e-003	0.0000	1.0800e-003	1.0800e-003		16.9278	16.9278	3.3000e-004	3.1000e-004	17.0286

	ROG	NOx	CO	SO2	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	5/3/2021	5/14/2021	5	10	
2	Site Preparation	Site Preparation	5/15/2021	8/13/2021	5	65	Removal of utilities, hauling, reconnection
3	Grading	Grading	8/14/2021	8/24/2021	5	7	
4	Building Construction	Building Construction	8/25/2021	7/11/2022	5	229	
5	Paving	Paving	7/12/2022	7/18/2022	5	5	
6	Architectural Coating	Architectural Coating	7/19/2022	7/25/2022	5	5	

Acres of Grading (Site Preparation Phase): 32.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 15,132; Non-Residential Outdoor: 5,044; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	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	4	10.00	0.00	28.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	1,213.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	11.00	5.00	30.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 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					0.6056	0.0000	0.6056	0.0917	0.0000	0.0917			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.6056	0.4073	1.0129	0.0917	0.3886	0.4803		1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0234	0.7511	0.1761	2.1800e-003	0.0490	2.3100e-003	0.0513	0.0134	2.2100e-003	0.0156		237.0050	237.0050	0.0161		237.4071
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	0.0662	0.7805	0.5789	3.3200e-003	0.1607	3.2100e-003	0.1639	0.0431	3.0400e-003	0.0461		350.8820	350.8820	0.0194		351.3679

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					0.2362	0.0000	0.2362	0.0358	0.0000	0.0358			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.2362	0.4073	0.6435	0.0358	0.3886	0.4244	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0234	0.7511	0.1761	2.1800e-003	0.0490	2.3100e-003	0.0513	0.0134	2.2100e-003	0.0156		237.0050	237.0050	0.0161		237.4071
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	0.0662	0.7805	0.5789	3.3200e-003	0.1607	3.2100e-003	0.1639	0.0431	3.0400e-003	0.0461		350.8820	350.8820	0.0194		351.3679

3.3 Site Preparation - 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					0.5471	0.0000	0.5471	0.0598	0.0000	0.0598			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755		942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.5471	0.2995	0.8466	0.0598	0.2755	0.3353		942.5842	942.5842	0.3049		950.2055

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	0.1556	5.0058	1.1737	0.0146	0.3263	0.0154	0.3417	0.0895	0.0147	0.1042		1,579.5990	1,579.5990	0.1072		1,582.2789
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	0.1770	5.0206	1.3751	0.0151	0.3822	0.0158	0.3980	0.1043	0.0151	0.1194		1,636.5375	1,636.5375	0.1089		1,639.2593

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					0.2134	0.0000	0.2134	0.0233	0.0000	0.0233			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755	0.0000	942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.2134	0.2995	0.5129	0.0233	0.2755	0.2988	0.0000	942.5842	942.5842	0.3049		950.2055

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	0.1556	5.0058	1.1737	0.0146	0.3263	0.0154	0.3417	0.0895	0.0147	0.1042		1,579.5990	1,579.5990	0.1072		1,582.2789
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	0.1770	5.0206	1.3751	0.0151	0.3822	0.0158	0.3980	0.1043	0.0151	0.1194		1,636.5375	1,636.5375	0.1089		1,639.2593

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.7528	0.4073	1.1601	0.4138	0.3886	0.8024		1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0429	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	0.0429	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

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					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.2936	0.4073	0.7009	0.1614	0.3886	0.5500	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0429	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	0.0429	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

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0900e-003	0.0351	8.2400e-003	1.0000e-004	4.8200e-003	1.1000e-004	4.9300e-003	1.2500e-003	1.0000e-004	1.3500e-003		11.0888	11.0888	7.5000e-004		11.1076
Vendor	0.0152	0.4855	0.1269	1.2900e-003	0.0320	9.9000e-004	0.0330	9.2200e-003	9.5000e-004	0.0102		137.4403	137.4403	8.1000e-003		137.6427
Worker	0.0472	0.0324	0.4431	1.2600e-003	0.1230	9.9000e-004	0.1240	0.0326	9.2000e-004	0.0335		125.2647	125.2647	3.6900e-003		125.3570
Total	0.0634	0.5530	0.5782	2.6500e-003	0.1598	2.0900e-003	0.1619	0.0431	1.9700e-003	0.0450		273.7938	273.7938	0.0125		274.1073

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	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0900e-003	0.0351	8.2400e-003	1.0000e-004	4.8200e-003	1.1000e-004	4.9300e-003	1.2500e-003	1.0000e-004	1.3500e-003		11.0888	11.0888	7.5000e-004		11.1076
Vendor	0.0152	0.4855	0.1269	1.2900e-003	0.0320	9.9000e-004	0.0330	9.2200e-003	9.5000e-004	0.0102		137.4403	137.4403	8.1000e-003		137.6427
Worker	0.0472	0.0324	0.4431	1.2600e-003	0.1230	9.9000e-004	0.1240	0.0326	9.2000e-004	0.0335		125.2647	125.2647	3.6900e-003		125.3570
Total	0.0634	0.5530	0.5782	2.6500e-003	0.1598	2.0900e-003	0.1619	0.0431	1.9700e-003	0.0450		273.7938	273.7938	0.0125		274.1073

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0400e-003	0.0326	8.1600e-003	1.0000e-004	3.4800e-003	9.0000e-005	3.5700e-003	9.2000e-004	9.0000e-005	1.0100e-003		10.9577	10.9577	7.4000e-004		10.9762
Vendor	0.0143	0.4617	0.1201	1.2700e-003	0.0320	8.7000e-004	0.0329	9.2200e-003	8.3000e-004	0.0101		136.2429	136.2429	7.8200e-003		136.4384
Worker	0.0442	0.0293	0.4088	1.2100e-003	0.1230	9.6000e-004	0.1239	0.0326	8.9000e-004	0.0335		120.8584	120.8584	3.3400e-003		120.9418
Total	0.0595	0.5236	0.5370	2.5800e-003	0.1584	1.9200e-003	0.1604	0.0428	1.8100e-003	0.0446		268.0590	268.0590	0.0119		268.3564

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	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0400e-003	0.0326	8.1600e-003	1.0000e-004	3.4800e-003	9.0000e-005	3.5700e-003	9.2000e-004	9.0000e-005	1.0100e-003		10.9577	10.9577	7.4000e-004		10.9762
Vendor	0.0143	0.4617	0.1201	1.2700e-003	0.0320	8.7000e-004	0.0329	9.2200e-003	8.3000e-004	0.0101		136.2429	136.2429	7.8200e-003		136.4384
Worker	0.0442	0.0293	0.4088	1.2100e-003	0.1230	9.6000e-004	0.1239	0.0326	8.9000e-004	0.0335		120.8584	120.8584	3.3400e-003		120.9418
Total	0.0595	0.5236	0.5370	2.5800e-003	0.1584	1.9200e-003	0.1604	0.0428	1.8100e-003	0.0446		268.0590	268.0590	0.0119		268.3564

3.6 Paving - 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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.824 6	1,035.824 6	0.3017		1,043.367 7
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.824 6	1,035.824 6	0.3017		1,043.367 7

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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.824 6	1,035.824 6	0.3017		1,043.367 7
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.824 6	1,035.824 6	0.3017		1,043.367 7

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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

3.7 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	19.4299					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	19.6345	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	8.0300e-003	5.3200e-003	0.0743	2.2000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		21.9743	21.9743	6.1000e-004		21.9894
Total	8.0300e-003	5.3200e-003	0.0743	2.2000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		21.9743	21.9743	6.1000e-004		21.9894

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	19.4299					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	19.6345	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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	8.0300e-003	5.3200e-003	0.0743	2.2000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		21.9743	21.9743	6.1000e-004		21.9894
Total	8.0300e-003	5.3200e-003	0.0743	2.2000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		21.9743	21.9743	6.1000e-004		21.9894

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	0.0000	0.0000	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
General Office Building	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Recreational Swimming Pool	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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	16.60	8.40	6.90	33.00	48.00	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Recreational Swimming Pool	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

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	1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250
NaturalGas Unmitigated	1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250

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					
General Office Building	143.858	1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250

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					
General Office Building	0.143858	1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250

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	0.2311	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003
Unmitigated	0.2311	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0266					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-004	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003
Total	0.2311	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003

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	0.0266					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-004	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003
Total	0.2311	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	12	21	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (11 - 25 HP)	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

11.0 Vegetation

La Cañada – Phase 1 (Unmitigated Construction and Operations) - Los Angeles-South Coast County, Winter

La Cañada – Phase 1 (Unmitigated Construction and Operations)**Los Angeles-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.04	1000sqft	0.12	5,044.00	0
Other Non-Asphalt Surfaces	0.30	Acre	0.30	13,068.00	0
Recreational Swimming Pool	10.20	1000sqft	0.23	10,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2022		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - 10,200 square-foot swimming pool. Pool building area (equipment area, locker rooms, storage room, coach's office and restroom) represented as general office building (maximum building square footage used).

Construction Phase - Building Construction phase additionally accounts for pool deck, bleacher seating, floating bulkhead and light pole installation. Construction Schedule adjusted according to Applicant provided start and end dates.

Trips and VMT - 20 trailer trips for bleachers, 2 trailer trips for bulkhead and 8 trailer trips for light poles assumed.

Demolition - Two basketball courts totaling 17,000 square feet to demolished. Square footage converted to tons of debris.

Grading - Import and export assumptions for site preparation and grading phases provided by the Applicant.

9,7000 cubic yards of material to be exported

Vehicle Trips - The project will not generate any new trips.

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Stationary Sources - Emergency Generators and Fire Pumps - 15 kW generator operating 12 hours per year as per information provided by the Applicant.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	229.00
tblConstructionPhase	NumDays	2.00	7.00
tblConstructionPhase	NumDays	1.00	65.00
tblGrading	MaterialExported	0.00	9,700.00
tblLandUse	LandUseSquareFeet	5,040.00	5,044.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblTripsAndVMT	HaulingTripNumber	0.00	30.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	33.82	0.00

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	0.8681	12.9039	8.1241	0.0246	0.9293	0.4497	1.2728	0.4434	0.4137	0.8329	0.0000	2,548.4320	2,548.4320	0.4174	0.0000	2,558.8671
2022	19.6434	7.5516	7.6673	0.0139	0.2012	0.3739	0.5323	0.0534	0.3440	0.3867	0.0000	1,360.9933	1,360.9933	0.3693	0.0000	1,370.2248
Maximum	19.6434	12.9039	8.1241	0.0246	0.9293	0.4497	1.2728	0.4434	0.4137	0.8329	0.0000	2,548.4320	2,548.4320	0.4174	0.0000	2,558.8671

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	0.8681	12.9039	8.1241	0.0246	0.5956	0.4497	0.9111	0.1910	0.4137	0.5805	0.0000	2,548.4320	2,548.4320	0.4174	0.0000	2,558.8671
2022	19.6434	7.5516	7.6673	0.0139	0.2012	0.3739	0.5323	0.0534	0.3440	0.3867	0.0000	1,360.9933	1,360.9933	0.3693	0.0000	1,370.2248
Maximum	19.6434	12.9039	8.1241	0.0246	0.5956	0.4497	0.9111	0.1910	0.4137	0.5805	0.0000	2,548.4320	2,548.4320	0.4174	0.0000	2,558.8671

	ROG	NOx	CO	SO2	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	29.52	0.00	20.04	50.81	0.00	20.70	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2311	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003
Energy	1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250
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
Stationary	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	0.2327	0.0141	0.0134	8.0000e-005	0.0000	1.0800e-003	1.0800e-003	0.0000	1.0800e-003	1.0800e-003		16.9278	16.9278	3.3000e-004	3.1000e-004	17.0286

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	0.2311	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003
Energy	1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250
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
Stationary	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	0.2327	0.0141	0.0134	8.0000e-005	0.0000	1.0800e-003	1.0800e-003	0.0000	1.0800e-003	1.0800e-003		16.9278	16.9278	3.3000e-004	3.1000e-004	17.0286

	ROG	NOx	CO	SO2	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	5/3/2021	5/14/2021	5	10	
2	Site Preparation	Site Preparation	5/15/2021	8/13/2021	5	65	Removal of utilities, hauling, recompaction
3	Grading	Grading	8/14/2021	8/24/2021	5	7	
4	Building Construction	Building Construction	8/25/2021	7/11/2022	5	229	
5	Paving	Paving	7/12/2022	7/18/2022	5	5	
6	Architectural Coating	Architectural Coating	7/19/2022	7/25/2022	5	5	

Acres of Grading (Site Preparation Phase): 32.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 15,132; Non-Residential Outdoor: 5,044; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	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	4	10.00	0.00	28.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	1,213.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	11.00	5.00	30.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 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					0.6056	0.0000	0.6056	0.0917	0.0000	0.0917			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.6056	0.4073	1.0129	0.0917	0.3886	0.4803		1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0239	0.7603	0.1867	2.1500e-003	0.0490	2.3400e-003	0.0513	0.0134	2.2400e-003	0.0157		232.8993	232.8993	0.0167		233.3155
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	0.0716	0.7929	0.5550	3.2300e-003	0.1607	3.2400e-003	0.1640	0.0431	3.0700e-003	0.0461		340.1244	340.1244	0.0198		340.6195

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					0.2362	0.0000	0.2362	0.0358	0.0000	0.0358			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.2362	0.4073	0.6435	0.0358	0.3886	0.4244	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0239	0.7603	0.1867	2.1500e-003	0.0490	2.3400e-003	0.0513	0.0134	2.2400e-003	0.0157		232.8993	232.8993	0.0167		233.3155
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	0.0716	0.7929	0.5550	3.2300e-003	0.1607	3.2400e-003	0.1640	0.0431	3.0700e-003	0.0461		340.1244	340.1244	0.0198		340.6195

3.3 Site Preparation - 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					0.5471	0.0000	0.5471	0.0598	0.0000	0.0598			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755		942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.5471	0.2995	0.8466	0.0598	0.2755	0.3353		942.5842	942.5842	0.3049		950.2055

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	0.1593	5.0672	1.2446	0.0143	0.3263	0.0156	0.3419	0.0895	0.0149	0.1044		1,552.2352	1,552.2352	0.1110		1,555.0096
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	0.1832	5.0835	1.4287	0.0149	0.3822	0.0161	0.3982	0.1043	0.0153	0.1196		1,605.8478	1,605.8478	0.1126		1,608.6616

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					0.2134	0.0000	0.2134	0.0233	0.0000	0.0233			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755	0.0000	942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.2134	0.2995	0.5129	0.0233	0.2755	0.2988	0.0000	942.5842	942.5842	0.3049		950.2055

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	0.1593	5.0672	1.2446	0.0143	0.3263	0.0156	0.3419	0.0895	0.0149	0.1044		1,552.2352	1,552.2352	0.1110		1,555.0096
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	0.1832	5.0835	1.4287	0.0149	0.3822	0.0161	0.3982	0.1043	0.0153	0.1196		1,605.8478	1,605.8478	0.1126		1,608.6616

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.7528	0.4073	1.1601	0.4138	0.3886	0.8024		1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0477	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	0.0477	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

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					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.2936	0.4073	0.7009	0.1614	0.3886	0.5500	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0477	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	0.0477	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

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1200e-003	0.0356	8.7400e-003	1.0000e-004	4.8200e-003	1.1000e-004	4.9300e-003	1.2500e-003	1.0000e-004	1.3500e-003		10.8967	10.8967	7.8000e-004		10.9162
Vendor	0.0160	0.4844	0.1404	1.2500e-003	0.0320	1.0200e-003	0.0330	9.2200e-003	9.8000e-004	0.0102		133.6728	133.6728	8.6300e-003		133.8885
Worker	0.0525	0.0359	0.4051	1.1800e-003	0.1230	9.9000e-004	0.1240	0.0326	9.2000e-004	0.0335		117.9476	117.9476	3.4700e-003		118.0344
Total	0.0695	0.5559	0.5542	2.5300e-003	0.1598	2.1200e-003	0.1619	0.0431	2.0000e-003	0.0451		262.5171	262.5171	0.0129		262.8391

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	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1200e-003	0.0356	8.7400e-003	1.0000e-004	4.8200e-003	1.1000e-004	4.9300e-003	1.2500e-003	1.0000e-004	1.3500e-003		10.8967	10.8967	7.8000e-004		10.9162
Vendor	0.0160	0.4844	0.1404	1.2500e-003	0.0320	1.0200e-003	0.0330	9.2200e-003	9.8000e-004	0.0102		133.6728	133.6728	8.6300e-003		133.8885
Worker	0.0525	0.0359	0.4051	1.1800e-003	0.1230	9.9000e-004	0.1240	0.0326	9.2000e-004	0.0335		117.9476	117.9476	3.4700e-003		118.0344
Total	0.0695	0.5559	0.5542	2.5300e-003	0.1598	2.1200e-003	0.1619	0.0431	2.0000e-003	0.0451		262.5171	262.5171	0.0129		262.8391

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0600e-003	0.0330	8.6300e-003	1.0000e-004	3.4800e-003	1.0000e-004	3.5700e-003	9.2000e-004	9.0000e-005	1.0100e-003		10.7662	10.7662	7.7000e-004		10.7853
Vendor	0.0150	0.4604	0.1329	1.2400e-003	0.0320	9.0000e-004	0.0329	9.2200e-003	8.6000e-004	0.0101		132.4851	132.4851	8.3300e-003		132.6933
Worker	0.0493	0.0324	0.3731	1.1400e-003	0.1230	9.6000e-004	0.1239	0.0326	8.9000e-004	0.0335		113.8026	113.8026	3.1300e-003		113.8810
Total	0.0653	0.5258	0.5146	2.4800e-003	0.1584	1.9600e-003	0.1604	0.0428	1.8400e-003	0.0446		257.0539	257.0539	0.0122		257.3596

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	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0600e-003	0.0330	8.6300e-003	1.0000e-004	3.4800e-003	1.0000e-004	3.5700e-003	9.2000e-004	9.0000e-005	1.0100e-003		10.7662	10.7662	7.7000e-004		10.7853
Vendor	0.0150	0.4604	0.1329	1.2400e-003	0.0320	9.0000e-004	0.0329	9.2200e-003	8.6000e-004	0.0101		132.4851	132.4851	8.3300e-003		132.6933
Worker	0.0493	0.0324	0.3731	1.1400e-003	0.1230	9.6000e-004	0.1239	0.0326	8.9000e-004	0.0335		113.8026	113.8026	3.1300e-003		113.8810
Total	0.0653	0.5258	0.5146	2.4800e-003	0.1584	1.9600e-003	0.1604	0.0428	1.8400e-003	0.0446		257.0539	257.0539	0.0122		257.3596

3.6 Paving - 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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.824 6	1,035.824 6	0.3017		1,043.367 7
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.824 6	1,035.824 6	0.3017		1,043.367 7

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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.824 6	1,035.824 6	0.3017		1,043.367 7
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.824 6	1,035.824 6	0.3017		1,043.367 7

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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

3.7 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	19.4299					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	19.6345	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	8.9600e-003	5.8900e-003	0.0678	2.1000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		20.6914	20.6914	5.7000e-004		20.7056
Total	8.9600e-003	5.8900e-003	0.0678	2.1000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		20.6914	20.6914	5.7000e-004		20.7056

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	19.4299					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	19.6345	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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	8.9600e-003	5.8900e-003	0.0678	2.1000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		20.6914	20.6914	5.7000e-004		20.7056
Total	8.9600e-003	5.8900e-003	0.0678	2.1000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		20.6914	20.6914	5.7000e-004		20.7056

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	0.0000	0.0000	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
General Office Building	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Recreational Swimming Pool	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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	16.60	8.40	6.90	33.00	48.00	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Recreational Swimming Pool	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

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	1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250
NaturalGas Unmitigated	1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250

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					
General Office Building	143.858	1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250

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					
General Office Building	0.143858	1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250

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	0.2311	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003
Unmitigated	0.2311	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0266					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-004	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003
Total	0.2311	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003

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	0.0266					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-004	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003
Total	0.2311	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	12	21	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (11 - 25 HP)	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

11.0 Vegetation

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Annual

La Canada High School Unmitigated Construction and Operations - Phase 2**Los Angeles-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	27.70	1000sqft	0.64	27,700.00	0
Other Asphalt Surfaces	10.20	1000sqft	0.23	10,200.00	0
Other Non-Asphalt Surfaces	11.00	1000sqft	0.00	11,000.00	0
Parking Lot	30.00	Space	0.27	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	532.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Annual

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - 27,700 sqft repaving, 10,200 sqft fire lane, 30 new parking spaces being built. 11,000 sqft of baseball field turf shifted to another location on site, thus zeroed acreage.

Construction Phase - Construction schedule adjusted to match Applicant provided schedule and Project Description. Building construction phase to account for constructing and relocating dugouts, batting cages and lighting pole footings.

Trips and VMT - 10 additional hauling trips to account for demolition of 2 existing light footings and 2 existing batting cages.

Demolition - Removing 5,500 sqft of existing parking lot to be demolished. Sqft converted to tons of debris.

Grading -

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps - 15 kW generator operating 12 hours per year as per information provided by the Applicant. (Existing and no changes proposed)

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	2.00	8.00
tblConstructionPhase	NumDays	4.00	17.00
tblConstructionPhase	NumDays	200.00	17.00
tblConstructionPhase	NumDays	10.00	42.00
tblConstructionPhase	NumDays	10.00	42.00
tblLandUse	LotAcreage	0.25	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblTripsAndVMT	HaulingTripNumber	9.00	19.00

2.0 Emissions Summary

La Cañada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Annual

2.1 Overall Construction**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0821	0.6594	0.6173	1.1400e-003	0.0761	0.0315	0.1076	0.0361	0.0295	0.0656	0.0000	99.4420	99.4420	0.0234	0.0000	100.0256
Maximum	0.0821	0.6594	0.6173	1.1400e-003	0.0761	0.0315	0.1076	0.0361	0.0295	0.0656	0.0000	99.4420	99.4420	0.0234	0.0000	100.0256

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0821	0.6594	0.6173	1.1400e-003	0.0359	0.0315	0.0673	0.0158	0.0295	0.0452	0.0000	99.4418	99.4418	0.0234	0.0000	100.0255
Maximum	0.0821	0.6594	0.6173	1.1400e-003	0.0359	0.0315	0.0673	0.0158	0.0295	0.0452	0.0000	99.4418	99.4418	0.0234	0.0000	100.0255

	ROG	NOx	CO	SO2	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	52.88	0.00	37.40	56.42	0.00	31.07	0.00	0.00	0.00	0.00	0.00	0.00

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-3-2022	9-2-2022	0.3285	0.3285
2	9-3-2022	9-30-2022	0.0205	0.0205
		Highest	0.3285	0.3285

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	4.8800e-003	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.0900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0146	1.0146	6.0000e-005	1.0000e-005	1.0194
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
Stationary	2.1000e-004	1.0800e-003	1.0000e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0960	0.0960	1.0000e-005	0.0000	0.0963
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.0900e-003	1.0900e-003	2.0100e-003	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	1.2000e-004	1.2000e-004	0.0000	1.1125	1.1125	8.0000e-005	1.0000e-005	1.1178

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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	4.8800e-003	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.0900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0146	1.0146	6.0000e-005	1.0000e-005	1.0194
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
Stationary	2.1000e-004	1.0800e-003	1.0000e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0960	0.0960	1.0000e-005	0.0000	0.0963
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.0900e-003	1.0900e-003	2.0100e-003	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	1.2000e-004	1.2000e-004	0.0000	1.1125	1.1125	8.0000e-005	1.0000e-005	1.1178

	ROG	NOx	CO	SO2	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	4/1/2022	5/5/2022	5	25	
2	Site Preparation	Site Preparation	5/6/2022	5/17/2022	5	8	
3	Grading	Grading	5/18/2022	6/9/2022	5	17	
4	Building Construction	Building Construction	6/10/2022	7/4/2022	5	17	Include relocation of light poles, dugouts, batting field and lighting
5	Paving	Paving	7/5/2022	8/31/2022	5	42	
6	Architectural Coating	Architectural Coating	9/1/2022	10/28/2022	5	42	

Acres of Grading (Site Preparation Phase): 4

Acres of Grading (Grading Phase): 6.38

Acres of Paving: 1.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,654 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	19.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	26.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8000e-004	0.0000	9.8000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0211	0.2078	0.1745	3.0000e-004		0.0105	0.0105		9.7900e-003	9.7900e-003	0.0000	26.3471	26.3471	6.7100e-003	0.0000	26.5150
Total	0.0211	0.2078	0.1745	3.0000e-004	9.8000e-004	0.0105	0.0115	1.5000e-004	9.7900e-003	9.9400e-003	0.0000	26.3471	26.3471	6.7100e-003	0.0000	26.5150

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3.2 Demolition - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	2.4400e-003	6.1000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.7156	0.7156	5.0000e-005	0.0000	0.7168
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	4.9000e-004	5.6600e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.9000e-004	0.0000	1.5505	1.5505	4.0000e-005	0.0000	1.5516
Total	7.4000e-004	2.9300e-003	6.2700e-003	3.0000e-005	1.9400e-003	2.0000e-005	1.9600e-003	5.1000e-004	2.0000e-005	5.4000e-004	0.0000	2.2661	2.2661	9.0000e-005	0.0000	2.2684

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.8000e-004	0.0000	3.8000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0211	0.2078	0.1745	3.0000e-004		0.0105	0.0105		9.7900e-003	9.7900e-003	0.0000	26.3471	26.3471	6.7100e-003	0.0000	26.5149
Total	0.0211	0.2078	0.1745	3.0000e-004	3.8000e-004	0.0105	0.0109	6.0000e-005	9.7900e-003	9.8500e-003	0.0000	26.3471	26.3471	6.7100e-003	0.0000	26.5149

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3.2 Demolition - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	2.4400e-003	6.1000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.7156	0.7156	5.0000e-005	0.0000	0.7168
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	4.9000e-004	5.6600e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.9000e-004	0.0000	1.5505	1.5505	4.0000e-005	0.0000	1.5516
Total	7.4000e-004	2.9300e-003	6.2700e-003	3.0000e-005	1.9400e-003	2.0000e-005	1.9600e-003	5.1000e-004	2.0000e-005	5.4000e-004	0.0000	2.2661	2.2661	9.0000e-005	0.0000	2.2684

3.3 Site Preparation - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0232	0.0000	0.0232	0.0118	0.0000	0.0118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2500e-003	0.0585	0.0284	7.0000e-005		2.4900e-003	2.4900e-003		2.2900e-003	2.2900e-003	0.0000	6.0461	6.0461	1.9600e-003	0.0000	6.0950
Total	5.2500e-003	0.0585	0.0284	7.0000e-005	0.0232	2.4900e-003	0.0257	0.0118	2.2900e-003	0.0141	0.0000	6.0461	6.0461	1.9600e-003	0.0000	6.0950

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3.3 Site Preparation - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.0000e-004	1.1100e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3053	0.3053	1.0000e-005	0.0000	0.3055
Total	1.3000e-004	1.0000e-004	1.1100e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3053	0.3053	1.0000e-005	0.0000	0.3055

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					9.0500e-003	0.0000	9.0500e-003	4.6100e-003	0.0000	4.6100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2500e-003	0.0585	0.0284	7.0000e-005		2.4900e-003	2.4900e-003		2.2900e-003	2.2900e-003	0.0000	6.0461	6.0461	1.9600e-003	0.0000	6.0950
Total	5.2500e-003	0.0585	0.0284	7.0000e-005	9.0500e-003	2.4900e-003	0.0115	4.6100e-003	2.2900e-003	6.9000e-003	0.0000	6.0461	6.0461	1.9600e-003	0.0000	6.0950

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3.3 Site Preparation - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.0000e-004	1.1100e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3053	0.3053	1.0000e-005	0.0000	0.3055
Total	1.3000e-004	1.0000e-004	1.1100e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3053	0.3053	1.0000e-005	0.0000	0.3055

3.4 Grading - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0418	0.0000	0.0418	0.0215	0.0000	0.0215	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2100e-003	0.1020	0.0505	1.2000e-004		4.4000e-003	4.4000e-003		4.0500e-003	4.0500e-003	0.0000	10.5242	10.5242	3.4000e-003	0.0000	10.6093
Total	9.2100e-003	0.1020	0.0505	1.2000e-004	0.0418	4.4000e-003	0.0462	0.0215	4.0500e-003	0.0255	0.0000	10.5242	10.5242	3.4000e-003	0.0000	10.6093

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3.4 Grading - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	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	2.7000e-004	2.1000e-004	2.3700e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6488	0.6488	2.0000e-005	0.0000	0.6493
Total	2.7000e-004	2.1000e-004	2.3700e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6488	0.6488	2.0000e-005	0.0000	0.6493

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0163	0.0000	0.0163	8.3700e-003	0.0000	8.3700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2100e-003	0.1020	0.0505	1.2000e-004		4.4000e-003	4.4000e-003		4.0500e-003	4.0500e-003	0.0000	10.5242	10.5242	3.4000e-003	0.0000	10.6093
Total	9.2100e-003	0.1020	0.0505	1.2000e-004	0.0163	4.4000e-003	0.0207	8.3700e-003	4.0500e-003	0.0124	0.0000	10.5242	10.5242	3.4000e-003	0.0000	10.6093

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3.4 Grading - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	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	2.7000e-004	2.1000e-004	2.3700e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6488	0.6488	2.0000e-005	0.0000	0.6493
Total	2.7000e-004	2.1000e-004	2.3700e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6488	0.6488	2.0000e-005	0.0000	0.6493

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0140	0.1063	0.1082	1.9000e-004		5.0100e-003	5.0100e-003		4.8400e-003	4.8400e-003	0.0000	15.4340	15.4340	2.6900e-003	0.0000	15.5012
Total	0.0140	0.1063	0.1082	1.9000e-004		5.0100e-003	5.0100e-003		4.8400e-003	4.8400e-003	0.0000	15.4340	15.4340	2.6900e-003	0.0000	15.5012

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3.5 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	2.5000e-004	7.9700e-003	2.1500e-003	2.0000e-005	5.4000e-004	1.0000e-005	5.5000e-004	1.5000e-004	1.0000e-005	1.7000e-004	0.0000	2.0768	2.0768	1.2000e-004	0.0000	2.0799
Worker	8.9000e-004	6.7000e-004	7.7000e-003	2.0000e-005	2.4200e-003	2.0000e-005	2.4400e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.1087	2.1087	6.0000e-005	0.0000	2.1101
Total	1.1400e-003	8.6400e-003	9.8500e-003	4.0000e-005	2.9600e-003	3.0000e-005	2.9900e-003	7.9000e-004	3.0000e-005	8.3000e-004	0.0000	4.1855	4.1855	1.8000e-004	0.0000	4.1901

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	0.0140	0.1063	0.1082	1.9000e-004		5.0100e-003	5.0100e-003		4.8400e-003	4.8400e-003	0.0000	15.4340	15.4340	2.6900e-003	0.0000	15.5012
Total	0.0140	0.1063	0.1082	1.9000e-004		5.0100e-003	5.0100e-003		4.8400e-003	4.8400e-003	0.0000	15.4340	15.4340	2.6900e-003	0.0000	15.5012

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3.5 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	2.5000e-004	7.9700e-003	2.1500e-003	2.0000e-005	5.4000e-004	1.0000e-005	5.5000e-004	1.5000e-004	1.0000e-005	1.7000e-004	0.0000	2.0768	2.0768	1.2000e-004	0.0000	2.0799
Worker	8.9000e-004	6.7000e-004	7.7000e-003	2.0000e-005	2.4200e-003	2.0000e-005	2.4400e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.1087	2.1087	6.0000e-005	0.0000	2.1101
Total	1.1400e-003	8.6400e-003	9.8500e-003	4.0000e-005	2.9600e-003	3.0000e-005	2.9900e-003	7.9000e-004	3.0000e-005	8.3000e-004	0.0000	4.1855	4.1855	1.8000e-004	0.0000	4.1901

3.6 Paving - 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	0.0144	0.1423	0.1849	2.8000e-004		7.3000e-003	7.3000e-003		6.7300e-003	6.7300e-003	0.0000	24.7162	24.7162	7.8400e-003	0.0000	24.9121
Paving	1.4900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0159	0.1423	0.1849	2.8000e-004		7.3000e-003	7.3000e-003		6.7300e-003	6.7300e-003	0.0000	24.7162	24.7162	7.8400e-003	0.0000	24.9121

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3.6 Paving - 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	1.1000e-003	8.3000e-004	9.5100e-003	3.0000e-005	2.9900e-003	2.0000e-005	3.0200e-003	7.9000e-004	2.0000e-005	8.2000e-004	0.0000	2.6048	2.6048	7.0000e-005	0.0000	2.6066
Total	1.1000e-003	8.3000e-004	9.5100e-003	3.0000e-005	2.9900e-003	2.0000e-005	3.0200e-003	7.9000e-004	2.0000e-005	8.2000e-004	0.0000	2.6048	2.6048	7.0000e-005	0.0000	2.6066

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	0.0144	0.1423	0.1849	2.8000e-004		7.3000e-003	7.3000e-003		6.7300e-003	6.7300e-003	0.0000	24.7162	24.7162	7.8400e-003	0.0000	24.9121
Paving	1.4900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0159	0.1423	0.1849	2.8000e-004		7.3000e-003	7.3000e-003		6.7300e-003	6.7300e-003	0.0000	24.7162	24.7162	7.8400e-003	0.0000	24.9121

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3.6 Paving - 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	1.1000e-003	8.3000e-004	9.5100e-003	3.0000e-005	2.9900e-003	2.0000e-005	3.0200e-003	7.9000e-004	2.0000e-005	8.2000e-004	0.0000	2.6048	2.6048	7.0000e-005	0.0000	2.6066
Total	1.1000e-003	8.3000e-004	9.5100e-003	3.0000e-005	2.9900e-003	2.0000e-005	3.0200e-003	7.9000e-004	2.0000e-005	8.2000e-004	0.0000	2.6048	2.6048	7.0000e-005	0.0000	2.6066

3.7 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	8.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3000e-003	0.0296	0.0381	6.0000e-005		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	5.3618	5.3618	3.5000e-004	0.0000	5.3706
Total	0.0128	0.0296	0.0381	6.0000e-005		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	5.3618	5.3618	3.5000e-004	0.0000	5.3706

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3.7 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	4.2000e-004	3.2000e-004	3.6600e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	1.0019	1.0019	3.0000e-005	0.0000	1.0026
Total	4.2000e-004	3.2000e-004	3.6600e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	1.0019	1.0019	3.0000e-005	0.0000	1.0026

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	8.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3000e-003	0.0296	0.0381	6.0000e-005		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	5.3618	5.3618	3.5000e-004	0.0000	5.3706
Total	0.0128	0.0296	0.0381	6.0000e-005		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	5.3618	5.3618	3.5000e-004	0.0000	5.3706

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3.7 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	4.2000e-004	3.2000e-004	3.6600e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	1.0019	1.0019	3.0000e-005	0.0000	1.0026
Total	4.2000e-004	3.2000e-004	3.6600e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	1.0019	1.0019	3.0000e-005	0.0000	1.0026

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
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

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	1.0146	1.0146	6.0000e-005	1.0000e-005	1.0194
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1.0146	1.0146	6.0000e-005	1.0000e-005	1.0194
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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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					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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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			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4200	1.0146	6.0000e-005	1.0000e-005	1.0194
Total		1.0146	6.0000e-005	1.0000e-005	1.0194

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4200	1.0146	6.0000e-005	1.0000e-005	1.0194
Total		1.0146	6.0000e-005	1.0000e-005	1.0194

6.0 Area Detail

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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	4.8800e-003	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.0900e-003
Unmitigated	4.8800e-003	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.0900e-003

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	8.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.0900e-003
Total	4.8800e-003	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.0900e-003

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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	8.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.0900e-003
Total	4.8800e-003	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.0900e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

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

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail**8.1 Mitigation Measures Waste**

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Annual

Category/Year

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

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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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
Emergency Generator	1	0	12	21	0.73	Diesel

Boilers

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

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Equipment Type	Number
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10.1 Stationary Sources**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (11 - 25 HP)	2.1000e-004	1.0800e-003	1.0000e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0960	0.0960	1.0000e-005	0.0000	0.0963
Total	2.1000e-004	1.0800e-003	1.0000e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0960	0.0960	1.0000e-005	0.0000	0.0963

11.0 Vegetation

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Summer

La Canada High School Unmitigated Construction and Operations - Phase 2

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	27.70	1000sqft	0.64	27,700.00	0
Other Asphalt Surfaces	10.20	1000sqft	0.23	10,200.00	0
Other Non-Asphalt Surfaces	11.00	1000sqft	0.00	11,000.00	0
Parking Lot	30.00	Space	0.27	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	532.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Summer

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - 27,700 sqft repaving, 10,200 sqft fire lane, 30 new parking spaces being built. 11,000 sqft of baseball field turf shifted to another location on site, thus zeroed acreage.

Construction Phase - Construction schedule adjusted to match Applicant provided schedule and Project Description. Building construction phase to account for constructing and relocating dugouts, batting cages and lighting pole footings.

Trips and VMT - 10 additional hauling trips to account for demolition of 2 existing light footings and 2 existing batting cages.

Demolition - Removing 5,500 sqft of existing parking lot to be demolished. Sqft converted to tons of debris.

Grading -

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps - 15 kW generator operating 12 hours per year as per information provided by the Applicant. (Existing and no changes proposed)

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	2.00	8.00
tblConstructionPhase	NumDays	4.00	17.00
tblConstructionPhase	NumDays	200.00	17.00
tblConstructionPhase	NumDays	10.00	42.00
tblConstructionPhase	NumDays	10.00	42.00
tblLandUse	LotAcreage	0.25	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblTripsAndVMT	HaulingTripNumber	9.00	19.00

2.0 Emissions Summary

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.7816	16.8457	14.4909	0.0275	5.8890	0.8396	6.5122	2.9774	0.7845	3.5508	0.0000	2,559.693 9	2,559.693 9	0.6003	0.0000	2,568.997 2
Maximum	1.7816	16.8457	14.4909	0.0275	5.8890	0.8396	6.5122	2.9774	0.7845	3.5508	0.0000	2,559.693 9	2,559.693 9	0.6003	0.0000	2,568.997 2

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					
2022	1.7816	16.8457	14.4909	0.0275	2.3513	0.8396	2.9745	1.1757	0.7845	1.7490	0.0000	2,559.693 9	2,559.693 9	0.6003	0.0000	2,568.997 2
Maximum	1.7816	16.8457	14.4909	0.0275	2.3513	0.8396	2.9745	1.1757	0.7845	1.7490	0.0000	2,559.693 9	2,559.693 9	0.6003	0.0000	2,568.997 2

	ROG	NOx	CO	SO2	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	60.07	0.00	54.32	60.51	0.00	50.74	0.00	0.00	0.00	0.00	0.00	0.00

La Canada High School Unmitigated Construction and Operations - Phase 2 - 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	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	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	0.0270	7.0000e-005	8.0700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005	0.0000	0.0184

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Summer

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	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	0.0270	7.0000e-005	8.0700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005	0.0000	0.0184

	ROG	NOx	CO	SO2	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**

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2022	5/5/2022	5	25	
2	Site Preparation	Site Preparation	5/6/2022	5/17/2022	5	8	
3	Grading	Grading	5/18/2022	6/9/2022	5	17	
4	Building Construction	Building Construction	6/10/2022	7/4/2022	5	17	Include relocation of light poles, dugouts, batting field and lighting
5	Paving	Paving	7/5/2022	8/31/2022	5	42	
6	Architectural Coating	Architectural Coating	9/1/2022	10/28/2022	5	42	

Acres of Grading (Site Preparation Phase): 4

Acres of Grading (Grading Phase): 6.38

Acres of Paving: 1.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,654 (Architectural Coating – sqft)

OffRoad Equipment

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	19.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	26.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0788	0.0000	0.0788	0.0119	0.0000	0.0119			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	0.0788	0.8379	0.9167	0.0119	0.7829	0.7948		2,323.4168	2,323.4168	0.5921		2,338.2191

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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	lb/day										lb/day					
Hauling	6.0300e-003	0.1894	0.0473	5.9000e-004	0.0133	5.4000e-004	0.0138	3.6400e-003	5.2000e-004	4.1600e-003		63.5691	63.5691	4.3000e-003		63.6766
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	0.0522	0.0346	0.4831	1.4300e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		142.8326	142.8326	3.9400e-003		142.9312
Total	0.0582	0.2240	0.5304	2.0200e-003	0.1586	1.6800e-003	0.1603	0.0422	1.5700e-003	0.0437		206.4017	206.4017	8.2400e-003		206.6077

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					0.0307	0.0000	0.0307	4.6500e-003	0.0000	4.6500e-003			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	0.0307	0.8379	0.8686	4.6500e-003	0.7829	0.7875	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

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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	lb/day										lb/day					
Hauling	6.0300e-003	0.1894	0.0473	5.9000e-004	0.0133	5.4000e-004	0.0138	3.6400e-003	5.2000e-004	4.1600e-003		63.5691	63.5691	4.3000e-003		63.6766
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	0.0522	0.0346	0.4831	1.4300e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		142.8326	142.8326	3.9400e-003		142.9312
Total	0.0582	0.2240	0.5304	2.0200e-003	0.1586	1.6800e-003	0.1603	0.0422	1.5700e-003	0.0437		206.4017	206.4017	8.2400e-003		206.6077

3.3 Site Preparation - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.3122	14.6277	7.0939	0.0172		0.6225	0.6225		0.5727	0.5727		1,666.1738	1,666.1738	0.5389		1,679.6457
Total	1.3122	14.6277	7.0939	0.0172	5.7996	0.6225	6.4221	2.9537	0.5727	3.5264		1,666.1738	1,666.1738	0.5389		1,679.6457

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3.3 Site Preparation - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0321	0.0213	0.2973	8.8000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		87.8970	87.8970	2.4300e-003		87.9576
Total	0.0321	0.0213	0.2973	8.8000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		87.8970	87.8970	2.4300e-003		87.9576

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					2.2618	0.0000	2.2618	1.1519	0.0000	1.1519			0.0000			0.0000
Off-Road	1.3122	14.6277	7.0939	0.0172		0.6225	0.6225		0.5727	0.5727	0.0000	1,666.1738	1,666.1738	0.5389		1,679.6457
Total	1.3122	14.6277	7.0939	0.0172	2.2618	0.6225	2.8844	1.1519	0.5727	1.7247	0.0000	1,666.1738	1,666.1738	0.5389		1,679.6457

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Summer

3.3 Site Preparation - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0321	0.0213	0.2973	8.8000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		87.8970	87.8970	2.4300e-003		87.9576
Total	0.0321	0.0213	0.2973	8.8000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		87.8970	87.8970	2.4300e-003		87.9576

3.4 Grading - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9146	0.0000	4.9146	2.5257	0.0000	2.5257			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759		1,364.8198	1,364.8198	0.4414		1,375.8551
Total	1.0832	12.0046	5.9360	0.0141	4.9146	0.5173	5.4318	2.5257	0.4759	3.0016		1,364.8198	1,364.8198	0.4414		1,375.8551

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3.4 Grading - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0321	0.0213	0.2973	8.8000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		87.8970	87.8970	2.4300e-003		87.9576
Total	0.0321	0.0213	0.2973	8.8000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		87.8970	87.8970	2.4300e-003		87.9576

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9167	0.0000	1.9167	0.9850	0.0000	0.9850			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551
Total	1.0832	12.0046	5.9360	0.0141	1.9167	0.5173	2.4340	0.9850	0.4759	1.4609	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Summer

3.4 Grading - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.0321	0.0213	0.2973	8.8000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		87.8970	87.8970	2.4300e-003		87.9576
Total	0.0321	0.0213	0.2973	8.8000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		87.8970	87.8970	2.4300e-003		87.9576

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0285	0.9233	0.2402	2.5500e-003	0.0640	1.7400e-003	0.0658	0.0184	1.6600e-003	0.0201		272.4859	272.4859	0.0156		272.8768
Worker	0.1044	0.0692	0.9662	2.8700e-003	0.2906	2.2700e-003	0.2929	0.0771	2.1000e-003	0.0792		285.6652	285.6652	7.8800e-003		285.8623
Total	0.1329	0.9925	1.2063	5.4200e-003	0.3546	4.0100e-003	0.3587	0.0955	3.7600e-003	0.0993		558.1511	558.1511	0.0235		558.7391

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0285	0.9233	0.2402	2.5500e-003	0.0640	1.7400e-003	0.0658	0.0184	1.6600e-003	0.0201		272.4859	272.4859	0.0156		272.8768
Worker	0.1044	0.0692	0.9662	2.8700e-003	0.2906	2.2700e-003	0.2929	0.0771	2.1000e-003	0.0792		285.6652	285.6652	7.8800e-003		285.8623
Total	0.1329	0.9925	1.2063	5.4200e-003	0.3546	4.0100e-003	0.3587	0.0955	3.7600e-003	0.0993		558.1511	558.1511	0.0235		558.7391

3.6 Paving - 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	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7588	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Summer

3.6 Paving - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0522	0.0346	0.4831	1.4300e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		142.8326	142.8326	3.9400e-003		142.9312
Total	0.0522	0.0346	0.4831	1.4300e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		142.8326	142.8326	3.9400e-003		142.9312

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	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7588	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Summer

3.6 Paving - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0522	0.0346	0.4831	1.4300e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		142.8326	142.8326	3.9400e-003		142.9312
Total	0.0522	0.0346	0.4831	1.4300e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		142.8326	142.8326	3.9400e-003		142.9312

3.7 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	0.4033					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	0.6078	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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3.7 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	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	0.0201	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	0.0201	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

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	0.4033					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	0.6078	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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3.7 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	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	0.0201	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	0.0201	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

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	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
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

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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					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

La Cañada Unified School District—New Outdoor Pool Facility and South of Campus Improvement
Project CalEEMod Output Files

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Summer

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	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Unmitigated	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184

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	4.6400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.5000e-004	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Total	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184

La Canada High School Unmitigated Construction and Operations - Phase 2 - 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	4.6400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.5000e-004	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Total	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	12	21	0.73	Diesel

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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10.1 Stationary Sources**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (11 - 25 HP)	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

11.0 Vegetation

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

La Canada High School Unmitigated Construction and Operations - Phase 2**Los Angeles-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	27.70	1000sqft	0.64	27,700.00	0
Other Asphalt Surfaces	10.20	1000sqft	0.23	10,200.00	0
Other Non-Asphalt Surfaces	11.00	1000sqft	0.00	11,000.00	0
Parking Lot	30.00	Space	0.27	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	532.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - 27,700 sqft repaving, 10,200 sqft fire lane, 30 new parking spaces being built. 11,000 sqft of baseball field turf shifted to another location on site, thus zeroed acreage.

Construction Phase - Construction schedule adjusted to match Applicant provided schedule and Project Description. Building construction phase to account for constructing and relocating dugouts, batting cages and lighting pole footings.

Trips and VMT - 10 additional hauling trips to account for demolition of 2 existing light footings and 2 existing batting cages.

Demolition - Removing 5,500 sqft of existing parking lot to be demolished. Sqft converted to tons of debris.

Grading -

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps - 15 kW generator operating 12 hours per year as per information provided by the Applicant. (Existing and no changes proposed)

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	2.00	8.00
tblConstructionPhase	NumDays	4.00	17.00
tblConstructionPhase	NumDays	200.00	17.00
tblConstructionPhase	NumDays	10.00	42.00
tblConstructionPhase	NumDays	10.00	42.00
tblLandUse	LotAcreage	0.25	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblTripsAndVMT	HaulingTripNumber	9.00	19.00

2.0 Emissions Summary

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.7951	16.8516	14.4515	0.0272	5.8890	0.8396	6.5122	2.9774	0.7845	3.5508	0.0000	2,535.501 2	2,535.501 2	0.6002	0.0000	2,544.817 9
Maximum	1.7951	16.8516	14.4515	0.0272	5.8890	0.8396	6.5122	2.9774	0.7845	3.5508	0.0000	2,535.501 2	2,535.501 2	0.6002	0.0000	2,544.817 9

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					
2022	1.7951	16.8516	14.4515	0.0272	2.3513	0.8396	2.9745	1.1757	0.7845	1.7490	0.0000	2,535.501 2	2,535.501 2	0.6002	0.0000	2,544.817 9
Maximum	1.7951	16.8516	14.4515	0.0272	2.3513	0.8396	2.9745	1.1757	0.7845	1.7490	0.0000	2,535.501 2	2,535.501 2	0.6002	0.0000	2,544.817 9

	ROG	NOx	CO	SO2	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	60.07	0.00	54.32	60.51	0.00	50.74	0.00	0.00	0.00	0.00	0.00	0.00

La Canada High School Unmitigated Construction and Operations - Phase 2 - 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	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	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	0.0270	7.0000e-005	8.0700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005	0.0000	0.0184

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	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	0.0270	7.0000e-005	8.0700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005	0.0000	0.0184

	ROG	NOx	CO	SO2	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**

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2022	5/5/2022	5	25	
2	Site Preparation	Site Preparation	5/6/2022	5/17/2022	5	8	
3	Grading	Grading	5/18/2022	6/9/2022	5	17	
4	Building Construction	Building Construction	6/10/2022	7/4/2022	5	17	Include relocation of light poles, dugouts, batting field and lighting
5	Paving	Paving	7/5/2022	8/31/2022	5	42	
6	Architectural Coating	Architectural Coating	9/1/2022	10/28/2022	5	42	

Acres of Grading (Site Preparation Phase): 4

Acres of Grading (Grading Phase): 6.38

Acres of Paving: 1.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,654 (Architectural Coating – sqft)

OffRoad Equipment

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	19.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	26.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0788	0.0000	0.0788	0.0119	0.0000	0.0119			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	0.0788	0.8379	0.9167	0.0119	0.7829	0.7948		2,323.4168	2,323.4168	0.5921		2,338.2191

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

3.2 Demolition - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.1800e-003	0.1915	0.0501	5.7000e-004	0.0133	5.5000e-004	0.0138	3.6400e-003	5.3000e-004	4.1700e-003		62.4581	62.4581	4.4500e-003		62.5692
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	0.0582	0.0383	0.4409	1.3500e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		134.4940	134.4940	3.7000e-003		134.5866
Total	0.0644	0.2298	0.4910	1.9200e-003	0.1586	1.6900e-003	0.1603	0.0422	1.5800e-003	0.0438		196.9521	196.9521	8.1500e-003		197.1559

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					0.0307	0.0000	0.0307	4.6500e-003	0.0000	4.6500e-003			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	0.0307	0.8379	0.8686	4.6500e-003	0.7829	0.7875	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

3.2 Demolition - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.1800e-003	0.1915	0.0501	5.7000e-004	0.0133	5.5000e-004	0.0138	3.6400e-003	5.3000e-004	4.1700e-003		62.4581	62.4581	4.4500e-003		62.5692
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	0.0582	0.0383	0.4409	1.3500e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		134.4940	134.4940	3.7000e-003		134.5866
Total	0.0644	0.2298	0.4910	1.9200e-003	0.1586	1.6900e-003	0.1603	0.0422	1.5800e-003	0.0438		196.9521	196.9521	8.1500e-003		197.1559

3.3 Site Preparation - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.3122	14.6277	7.0939	0.0172		0.6225	0.6225		0.5727	0.5727		1,666.1738	1,666.1738	0.5389		1,679.6457
Total	1.3122	14.6277	7.0939	0.0172	5.7996	0.6225	6.4221	2.9537	0.5727	3.5264		1,666.1738	1,666.1738	0.5389		1,679.6457

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

3.3 Site Preparation - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0358	0.0236	0.2713	8.3000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		82.7656	82.7656	2.2800e-003		82.8225
Total	0.0358	0.0236	0.2713	8.3000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		82.7656	82.7656	2.2800e-003		82.8225

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					2.2618	0.0000	2.2618	1.1519	0.0000	1.1519			0.0000			0.0000
Off-Road	1.3122	14.6277	7.0939	0.0172		0.6225	0.6225		0.5727	0.5727	0.0000	1,666.1738	1,666.1738	0.5389		1,679.6457
Total	1.3122	14.6277	7.0939	0.0172	2.2618	0.6225	2.8844	1.1519	0.5727	1.7247	0.0000	1,666.1738	1,666.1738	0.5389		1,679.6457

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

3.3 Site Preparation - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0358	0.0236	0.2713	8.3000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		82.7656	82.7656	2.2800e-003		82.8225
Total	0.0358	0.0236	0.2713	8.3000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		82.7656	82.7656	2.2800e-003		82.8225

3.4 Grading - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9146	0.0000	4.9146	2.5257	0.0000	2.5257			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759		1,364.8198	1,364.8198	0.4414		1,375.8551
Total	1.0832	12.0046	5.9360	0.0141	4.9146	0.5173	5.4318	2.5257	0.4759	3.0016		1,364.8198	1,364.8198	0.4414		1,375.8551

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

3.4 Grading - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.0358	0.0236	0.2713	8.3000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		82.7656	82.7656	2.2800e-003		82.8225
Total	0.0358	0.0236	0.2713	8.3000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		82.7656	82.7656	2.2800e-003		82.8225

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9167	0.0000	1.9167	0.9850	0.0000	0.9850			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551
Total	1.0832	12.0046	5.9360	0.0141	1.9167	0.5173	2.4340	0.9850	0.4759	1.4609	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

3.4 Grading - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.0358	0.0236	0.2713	8.3000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		82.7656	82.7656	2.2800e-003		82.8225
Total	0.0358	0.0236	0.2713	8.3000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		82.7656	82.7656	2.2800e-003		82.8225

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0300	0.9208	0.2658	2.4800e-003	0.0640	1.7900e-003	0.0658	0.0184	1.7100e-003	0.0202		264.9703	264.9703	0.0167		265.3866
Worker	0.1164	0.0766	0.8819	2.7000e-003	0.2906	2.2700e-003	0.2929	0.0771	2.1000e-003	0.0792		268.9881	268.9881	7.4100e-003		269.1732
Total	0.1464	0.9974	1.1476	5.1800e-003	0.3546	4.0600e-003	0.3587	0.0955	3.8100e-003	0.0993		533.9583	533.9583	0.0241		534.5598

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0300	0.9208	0.2658	2.4800e-003	0.0640	1.7900e-003	0.0658	0.0184	1.7100e-003	0.0202		264.9703	264.9703	0.0167		265.3866
Worker	0.1164	0.0766	0.8819	2.7000e-003	0.2906	2.2700e-003	0.2929	0.0771	2.1000e-003	0.0792		268.9881	268.9881	7.4100e-003		269.1732
Total	0.1464	0.9974	1.1476	5.1800e-003	0.3546	4.0600e-003	0.3587	0.0955	3.8100e-003	0.0993		533.9583	533.9583	0.0241		534.5598

3.6 Paving - 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	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7588	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

3.6 Paving - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0383	0.4409	1.3500e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		134.4940	134.4940	3.7000e-003		134.5866
Total	0.0582	0.0383	0.4409	1.3500e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		134.4940	134.4940	3.7000e-003		134.5866

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	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7588	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

3.6 Paving - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0383	0.4409	1.3500e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		134.4940	134.4940	3.7000e-003		134.5866
Total	0.0582	0.0383	0.4409	1.3500e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		134.4940	134.4940	3.7000e-003		134.5866

3.7 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	0.4033					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	0.6078	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

3.7 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	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	0.0224	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	0.0224	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

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	0.4033					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	0.6078	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

3.7 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	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	0.0224	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	0.0224	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

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

La Canada High School Unmitigated Construction and Operations - Phase 2 - 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	0.0000	0.0000	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
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

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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					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

La Cañada Unified School District—New Outdoor Pool Facility and South of Campus Improvement
Project CalEEMod Output Files

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

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	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Unmitigated	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184

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	4.6400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.5000e-004	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Total	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184

La Canada High School Unmitigated Construction and Operations - Phase 2 - 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	4.6400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.5000e-004	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Total	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	12	21	0.73	Diesel

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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10.1 Stationary Sources**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (11 - 25 HP)	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

11.0 Vegetation

La Canada Unmitigated Construction and Operations-Phase3 - Los Angeles-South Coast County, Annual

La Canada Unmitigated Construction and Operations-Phase3

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	7.70	1000sqft	0.18	7,700.00	0
Other Non-Asphalt Surfaces	12.00	1000sqft	0.28	12,000.00	0
Parking Lot	11.65	1000sqft	0.27	11,650.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - 11,650 sqft parking lot to account for basketball courts, associated lighting and seating. 12,000 sqft to account for surrounding hardscaping. 7,700 sqft to account for fire lane. As provided by the Applicant.

Construction Phase - Construction schedule adjusted to match Applicant provided schedule.

Off-road Equipment - Concrete Mortar Mixer added for seating area construction and miscellaneous pours which may require mortar for north gymnasium reconfigurations.

Trips and VMT - Additional Worker and Vendor trips to account for North Gymnasium reconfigurations.

Demolition - 4800 sqft of existing pool, 750 sqft of existing pool building and 6400 sqft of existing pool deck to be demolished. As provided by the Applicant. SQFT converted to Tons of Debris.

Grading - As provided by the Applicant.

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	88.00
tblConstructionPhase	PhaseEndDate	10/5/2022	9/19/2022
tblConstructionPhase	PhaseEndDate	10/12/2022	9/26/2022
tblConstructionPhase	PhaseEndDate	10/19/2022	10/3/2022
tblConstructionPhase	PhaseStartDate	10/6/2022	9/20/2022
tblConstructionPhase	PhaseStartDate	10/13/2022	9/27/2022
tblGrading	MaterialImported	0.00	2,500.00
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	21.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	VendorTripNumber	5.00	11.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	13.00	23.00
tblTripsAndVMT	WorkerTripNumber	3.00	5.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0519	0.4828	0.4609	1.0300e-003	0.0264	0.0204	0.0468	6.5200e-003	0.0189	0.0255	0.0000	92.5412	92.5412	0.0185	0.0000	93.0027
Maximum	0.0519	0.4828	0.4609	1.0300e-003	0.0264	0.0204	0.0468	6.5200e-003	0.0189	0.0255	0.0000	92.5412	92.5412	0.0185	0.0000	93.0027

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0519	0.4828	0.4609	1.0300e-003	0.0217	0.0204	0.0421	5.6300e-003	0.0189	0.0246	0.0000	92.5411	92.5411	0.0185	0.0000	93.0027
Maximum	0.0519	0.4828	0.4609	1.0300e-003	0.0217	0.0204	0.0421	5.6300e-003	0.0189	0.0246	0.0000	92.5411	92.5411	0.0185	0.0000	93.0027

	ROG	NOx	CO	SO2	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	17.86	0.00	10.08	13.65	0.00	3.50	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	5-2-2022	8-1-2022	0.3296	0.3296
2	8-2-2022	9-30-2022	0.1859	0.1859
		Highest	0.3296	0.3296

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	2.5000e-003	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.8000e-004	7.8000e-004	0.0000	0.0000	8.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.9850	0.9850	5.0000e-005	1.0000e-005	0.9897
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
Stationary	2.1000e-004	1.0800e-003	1.0000e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0960	0.0960	1.0000e-005	0.0000	0.0963
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.7100e-003	1.0800e-003	1.4000e-003	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	1.2000e-004	1.2000e-004	0.0000	1.0817	1.0817	6.0000e-005	1.0000e-005	1.0868

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	2.5000e-003	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.8000e-004	7.8000e-004	0.0000	0.0000	8.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.9850	0.9850	5.0000e-005	1.0000e-005	0.9897
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
Stationary	2.1000e-004	1.0800e-003	1.0000e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0960	0.0960	1.0000e-005	0.0000	0.0963
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.7100e-003	1.0800e-003	1.4000e-003	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	1.2000e-004	1.2000e-004	0.0000	1.0817	1.0817	6.0000e-005	1.0000e-005	1.0868

	ROG	NOx	CO	SO2	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	5/2/2022	5/13/2022	5	10	
2	Site Preparation	Site Preparation	5/14/2022	5/16/2022	5	1	
3	Grading	Grading	5/17/2022	5/18/2022	5	2	
4	Building Construction	Building Construction	5/19/2022	9/19/2022	5	88	Includes seating construction and north gymnasium reconfigurations.
5	Paving	Paving	9/20/2022	9/26/2022	5	5	
6	Architectural Coating	Architectural Coating	9/27/2022	10/3/2022	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.73

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,881

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	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	4	10.00	0.00	61.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	312.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	23.00	11.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.5800e-003	0.0000	6.5800e-003	1.0000e-003	0.0000	1.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5500e-003	0.0321	0.0374	6.0000e-005		1.6900e-003	1.6900e-003		1.6100e-003	1.6100e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308
Total	3.5500e-003	0.0321	0.0374	6.0000e-005	6.5800e-003	1.6900e-003	8.2700e-003	1.0000e-003	1.6100e-003	2.6100e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308

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	2.4000e-004	7.8400e-003	1.9500e-003	2.0000e-005	5.2000e-004	2.0000e-005	5.5000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	2.2974	2.2974	1.6000e-004	0.0000	2.3013
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	4.4000e-004	7.9900e-003	3.6900e-003	3.0000e-005	1.0700e-003	2.0000e-005	1.1000e-003	2.9000e-004	2.0000e-005	3.1000e-004	0.0000	2.7744	2.7744	1.7000e-004	0.0000	2.7787

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					2.5700e-003	0.0000	2.5700e-003	3.9000e-004	0.0000	3.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5500e-003	0.0321	0.0374	6.0000e-005		1.6900e-003	1.6900e-003		1.6100e-003	1.6100e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308
Total	3.5500e-003	0.0321	0.0374	6.0000e-005	2.5700e-003	1.6900e-003	4.2600e-003	3.9000e-004	1.6100e-003	2.0000e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308

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	2.4000e-004	7.8400e-003	1.9500e-003	2.0000e-005	5.2000e-004	2.0000e-005	5.5000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	2.2974	2.2974	1.6000e-004	0.0000	2.3013
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	4.4000e-004	7.9900e-003	3.6900e-003	3.0000e-005	1.0700e-003	2.0000e-005	1.1000e-003	2.9000e-004	2.0000e-005	3.1000e-004	0.0000	2.7744	2.7744	1.7000e-004	0.0000	2.7787

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	3.4700e-003	1.9800e-003	0.0000		1.3000e-004	1.3000e-004		1.2000e-004	1.2000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310
Total	2.9000e-004	3.4700e-003	1.9800e-003	0.0000	2.7000e-004	1.3000e-004	4.0000e-004	3.0000e-005	1.2000e-004	1.5000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0239	0.0239	0.0000	0.0000	0.0239
Total	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0239	0.0239	0.0000	0.0000	0.0239

Mitigated Construction On-Site

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

Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	3.4700e-003	1.9800e-003	0.0000		1.3000e-004	1.3000e-004		1.2000e-004	1.2000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310
Total	2.9000e-004	3.4700e-003	1.9800e-003	0.0000	1.0000e-004	1.3000e-004	2.3000e-004	1.0000e-005	1.2000e-004	1.3000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0239	0.0239	0.0000	0.0000	0.0239
Total	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0239	0.0239	0.0000	0.0000	0.0239

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.9000e-004	0.0000	8.9000e-004	4.4000e-004	0.0000	4.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1000e-004	6.4100e-003	7.4700e-003	1.0000e-005		3.4000e-004	3.4000e-004		3.2000e-004	3.2000e-004	0.0000	1.0414	1.0414	1.9000e-004	0.0000	1.0462
Total	7.1000e-004	6.4100e-003	7.4700e-003	1.0000e-005	8.9000e-004	3.4000e-004	1.2300e-003	4.4000e-004	3.2000e-004	7.6000e-004	0.0000	1.0414	1.0414	1.9000e-004	0.0000	1.0462

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	1.2500e-003	0.0401	9.9600e-003	1.2000e-004	2.6800e-003	1.1000e-004	2.7900e-003	7.4000e-004	1.1000e-004	8.4000e-004	0.0000	11.7504	11.7504	8.1000e-004	0.0000	11.7707

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	1.2900e-003	0.0401	0.0103	1.2000e-004	2.7900e-003	1.1000e-004	2.9000e-003	7.7000e-004	1.1000e-004	8.7000e-004	0.0000	11.8458	11.8458	8.1000e-004	0.0000	11.8662

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.5000e-004	0.0000	3.5000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1000e-004	6.4100e-003	7.4700e-003	1.0000e-005		3.4000e-004	3.4000e-004		3.2000e-004	3.2000e-004	0.0000	1.0414	1.0414	1.9000e-004	0.0000	1.0462
Total	7.1000e-004	6.4100e-003	7.4700e-003	1.0000e-005	3.5000e-004	3.4000e-004	6.9000e-004	1.7000e-004	3.2000e-004	4.9000e-004	0.0000	1.0414	1.0414	1.9000e-004	0.0000	1.0462

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	1.2500e-003	0.0401	9.9600e-003	1.2000e-004	2.6800e-003	1.1000e-004	2.7900e-003	7.4000e-004	1.1000e-004	8.4000e-004	0.0000	11.7504	11.7504	8.1000e-004	0.0000	11.7707
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	1.2900e-003	0.0401	0.0103	1.2000e-004	2.7900e-003	1.1000e-004	2.9000e-003	7.7000e-004	1.1000e-004	8.7000e-004	0.0000	11.8458	11.8458	8.1000e-004	0.0000	11.8662

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0328	0.3253	0.3283	5.3000e-004		0.0170	0.0170		0.0157	0.0157	0.0000	46.0814	46.0814	0.0145	0.0000	46.4429
Total	0.0328	0.3253	0.3283	5.3000e-004		0.0170	0.0170		0.0157	0.0157	0.0000	46.0814	46.0814	0.0145	0.0000	46.4429

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0454	0.0123	1.2000e-004	3.0500e-003	9.0000e-005	3.1300e-003	8.8000e-004	8.0000e-005	9.6000e-004	0.0000	11.8257	11.8257	7.1000e-004	0.0000	11.8433
Worker	4.0800e-003	3.0600e-003	0.0353	1.1000e-004	0.0111	9.0000e-005	0.0112	2.9500e-003	8.0000e-005	3.0300e-003	0.0000	9.6561	9.6561	2.7000e-004	0.0000	9.6627
Total	5.4900e-003	0.0484	0.0475	2.3000e-004	0.0141	1.8000e-004	0.0143	3.8300e-003	1.6000e-004	3.9900e-003	0.0000	21.4817	21.4817	9.8000e-004	0.0000	21.5060

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	0.0328	0.3253	0.3283	5.3000e-004		0.0170	0.0170		0.0157	0.0157	0.0000	46.0813	46.0813	0.0145	0.0000	46.4429
Total	0.0328	0.3253	0.3283	5.3000e-004		0.0170	0.0170		0.0157	0.0157	0.0000	46.0813	46.0813	0.0145	0.0000	46.4429

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0454	0.0123	1.2000e-004	3.0500e-003	9.0000e-005	3.1300e-003	8.8000e-004	8.0000e-005	9.6000e-004	0.0000	11.8257	11.8257	7.1000e-004	0.0000	11.8433
Worker	4.0800e-003	3.0600e-003	0.0353	1.1000e-004	0.0111	9.0000e-005	0.0112	2.9500e-003	8.0000e-005	3.0300e-003	0.0000	9.6561	9.6561	2.7000e-004	0.0000	9.6627
Total	5.4900e-003	0.0484	0.0475	2.3000e-004	0.0141	1.8000e-004	0.0143	3.8300e-003	1.6000e-004	3.9900e-003	0.0000	21.4817	21.4817	9.8000e-004	0.0000	21.5060

3.6 Paving - 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	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663

Paving	5.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.2100e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4294	0.4294	1.0000e-005	0.0000	0.4297
Total	1.8000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4294	0.4294	1.0000e-005	0.0000	0.4297

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	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663
Paving	5.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.2100e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4294	0.4294	1.0000e-005	0.0000	0.4297
Total	1.8000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4294	0.4294	1.0000e-005	0.0000	0.4297

3.7 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	4.3600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	4.8700e-003	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	4.7000e-004	1.3000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1222	0.1222	1.0000e-005	0.0000	0.1224
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	6.0000e-005	5.1000e-004	5.7000e-004	0.0000	1.7000e-004	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.2414	0.2414	1.0000e-005	0.0000	0.2417

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	4.3600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	4.8700e-003	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	4.7000e-004	1.3000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1222	0.1222	1.0000e-005	0.0000	0.1224
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	6.0000e-005	5.1000e-004	5.7000e-004	0.0000	1.7000e-004	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.2414	0.2414	1.0000e-005	0.0000	0.2417

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	0.0000	0.0000	0.0000	0.0000	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
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.9850	0.9850	5.0000e-005	1.0000e-005	0.9897
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.9850	0.9850	5.0000e-005	1.0000e-005	0.9897
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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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			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4077.5	0.9850	5.0000e-005	1.0000e-005	0.9897
Total		0.9850	5.0000e-005	1.0000e-005	0.9897

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4077.5	0.9850	5.0000e-005	1.0000e-005	0.9897
Total		0.9850	5.0000e-005	1.0000e-005	0.9897

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	2.5000e-003	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.8000e-004	7.8000e-004	0.0000	0.0000	8.3000e-004
Unmitigated	2.5000e-003	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.8000e-004	7.8000e-004	0.0000	0.0000	8.3000e-004

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	4.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.8000e-004	7.8000e-004	0.0000	0.0000	8.3000e-004
Total	2.5100e-003	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.8000e-004	7.8000e-004	0.0000	0.0000	8.3000e-004

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	4.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.8000e-004	7.8000e-004	0.0000	0.0000	8.3000e-004
Total	2.5100e-003	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.8000e-004	7.8000e-004	0.0000	0.0000	8.3000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

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

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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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
Emergency Generator	1	0	12	21	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (11 - 25 HP)	2.1000e-004	1.0800e-003	1.0000e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0960	0.0960	1.0000e-005	0.0000	0.0963
Total	2.1000e-004	1.0800e-003	1.0000e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0960	0.0960	1.0000e-005	0.0000	0.0963

11.0 Vegetation

La Canada Unmitigated Construction and Operations-Phase3 - Los Angeles-South Coast County, Summer

La Canada Unmitigated Construction and Operations-Phase3

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	7.70	1000sqft	0.18	7,700.00	0
Other Non-Asphalt Surfaces	12.00	1000sqft	0.28	12,000.00	0
Parking Lot	11.65	1000sqft	0.27	11,650.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - 11,650 sqft parking lot to account for basketball courts, associated lighting and seating. 12,000 sqft to account for surrounding hardscaping. 7,700 sqft to account for fire lane. As provided by the Applicant.

Construction Phase - Construction schedule adjusted to match Applicant provided schedule.

Off-road Equipment - Concrete Mortar Mixer added for seating area construction and miscellaneous pours which may require mortar for north gymnasium reconfigurations.

Trips and VMT - Additional Worker and Vendor trips to account for North Gymnasium reconfigurations.

Demolition - 4800 sqft of existing pool, 750 sqft of existing pool building and 6400 sqft of existing pool deck to be demolished. As provided by the Applicant. SQFT converted to Tons of Debris.

Grading - As provided by the Applicant.

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	88.00
tblGrading	MaterialImported	0.00	2,500.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblTripsAndVMT	HaulingTripNumber	313.00	312.00
tblTripsAndVMT	VendorTripNumber	5.00	11.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	13.00	23.00
tblTripsAndVMT	WorkerTripNumber	3.00	5.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.9874	45.3135	17.5529	0.1332	3.7338	0.4500	4.1837	1.2126	0.4301	1.6427	0.0000	14,306.1591	14,306.1591	1.0976	0.0000	14,333.5993
Maximum	1.9874	45.3135	17.5529	0.1332	3.7338	0.4500	4.1837	1.2126	0.4301	1.6427	0.0000	14,306.1591	14,306.1591	1.0976	0.0000	14,333.5993

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					
2022	1.9874	45.3135	17.5529	0.1332	3.1883	0.4500	3.6383	0.9471	0.4301	1.3772	0.0000	14,306.1591	14,306.1591	1.0976	0.0000	14,333.5993

Maximum	1.9874	45.3135	17.5529	0.1332	3.1883	0.4500	3.6383	0.9471	0.4301	1.3772	0.0000	14,306.15 91	14,306.15 91	1.0976	0.0000	14,333.59 93
	ROG	NOx	CO	SO2	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	14.61	0.00	13.04	21.89	0.00	16.16	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0138	3.0000e- 005	3.2100e- 003	0.0000		1.0000e- 005	1.0000e- 005		1.0000e- 005	1.0000e- 005		6.8600e- 003	6.8600e- 003	2.0000e- 005		7.3100e- 003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	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	0.0138	3.0000e- 005	3.2100e- 003	0.0000	0.0000	1.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	1.0000e- 005		6.8600e- 003	6.8600e- 003	2.0000e- 005	0.0000	7.3100e- 003

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	0.0138	3.0000e- 005	3.2100e- 003	0.0000		1.0000e- 005	1.0000e- 005		1.0000e- 005	1.0000e- 005		6.8600e- 003	6.8600e- 003	2.0000e- 005		7.3100e- 003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	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	0.0138	3.0000e- 005	3.2100e- 003	0.0000	0.0000	1.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	1.0000e- 005		6.8600e- 003	6.8600e- 003	2.0000e- 005	0.0000	7.3100e- 003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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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
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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	5/2/2022	5/13/2022	5	10	
2	Site Preparation	Site Preparation	5/14/2022	5/16/2022	5	1	
3	Grading	Grading	5/17/2022	5/18/2022	5	2	
4	Building Construction	Building Construction	5/19/2022	9/19/2022	5	88	Includes seating construction and north gymnasium
5	Paving	Paving	9/20/2022	9/26/2022	5	5	
6	Architectural Coating	Architectural Coating	9/27/2022	10/3/2022	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.73

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,881

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42

Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	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	4	10.00	0.00	61.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	312.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	23.00	11.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3160	0.0000	1.3160	0.1993	0.0000	0.1993			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	1.3160	0.3375	1.6536	0.1993	0.3225	0.5218		1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0484	1.5200	0.3798	4.7000e-003	0.1067	4.3600e-003	0.1110	0.0292	4.1700e-003	0.0334		510.2253	510.2253	0.0345		511.0882

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	0.0886	1.5467	0.7514	5.8000e-003	0.2185	5.2300e-003	0.2237	0.0589	4.9800e-003	0.0639		620.0966	620.0966	0.0375		621.0352

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					0.5133	0.0000	0.5133	0.0777	0.0000	0.0777			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.5133	0.3375	0.8508	0.0777	0.3225	0.4003	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0484	1.5200	0.3798	4.7000e-003	0.1067	4.3600e-003	0.1110	0.0292	4.1700e-003	0.0334		510.2253	510.2253	0.0345		511.0882
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	0.0886	1.5467	0.7514	5.8000e-003	0.2185	5.2300e-003	0.2237	0.0589	4.9800e-003	0.0639		620.0966	620.0966	0.0375		621.0352

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367		942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.5303	0.2573	0.7876	0.0573	0.2367	0.2940		942.5179	942.5179	0.3048		950.1386

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	0.0201	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	0.0201	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367	0.0000	942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.2068	0.2573	0.4641	0.0223	0.2367	0.2591	0.0000	942.5179	942.5179	0.3048		950.1386

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	0.0201	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	0.0201	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

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8941	0.0000	0.8941	0.4352	0.0000	0.4352			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.8941	0.3375	1.2316	0.4352	0.3225	0.7577		1,147.9025	1,147.9025	0.2119		1,153.2001

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2378	38.8731	9.7120	0.1201	2.7279	0.1116	2.8395	0.7478	0.1068	0.8545		13,048.3854	13,048.3854	0.8827		13,070.4522
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	1.2780	38.8997	10.0836	0.1212	2.8396	0.1125	2.9521	0.7774	0.1076	0.8850		13,158.2566	13,158.2566	0.8857		13,180.3992

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					0.3487	0.0000	0.3487	0.1697	0.0000	0.1697			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.3487	0.3375	0.6862	0.1697	0.3225	0.4923	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2378	38.8731	9.7120	0.1201	2.7279	0.1116	2.8395	0.7478	0.1068	0.8545		13,048.3854	13,048.3854	0.8827		13,070.4522

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	1.2780	38.8997	10.0836	0.1212	2.8396	0.1125	2.9521	0.7774	0.1076	0.8850		13,158.2566	13,158.2566	0.8857		13,180.3992

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7451	7.3940	7.4611	0.0121		0.3862	0.3862		0.3565	0.3565		1,154.4556	1,154.4556	0.3623		1,163.5127
Total	0.7451	7.3940	7.4611	0.0121		0.3862	0.3862		0.3565	0.3565		1,154.4556	1,154.4556	0.3623		1,163.5127

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	0.0314	1.0156	0.2642	2.8000e-003	0.0704	1.9100e-003	0.0723	0.0203	1.8300e-003	0.0221		299.7345	299.7345	0.0172		300.1645
Worker	0.0924	0.0612	0.8547	2.5400e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8500e-003	0.0700		252.7038	252.7038	6.9700e-003		252.8782
Total	0.1237	1.0768	1.1189	5.3400e-003	0.3275	3.9200e-003	0.3314	0.0885	3.6800e-003	0.0921		552.4383	552.4383	0.0242		553.0427

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	0.7451	7.3940	7.4611	0.0121		0.3862	0.3862		0.3565	0.3565	0.0000	1,154.4556	1,154.4556	0.3623		1,163.5127
Total	0.7451	7.3940	7.4611	0.0121		0.3862	0.3862		0.3565	0.3565	0.0000	1,154.4556	1,154.4556	0.3623		1,163.5127

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
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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	0.0314	1.0156	0.2642	2.8000e-003	0.0704	1.9100e-003	0.0723	0.0203	1.8300e-003	0.0221		299.7345	299.7345	0.0172		300.1645
Worker	0.0924	0.0612	0.8547	2.5400e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8500e-003	0.0700		252.7038	252.7038	6.9700e-003		252.8782
Total	0.1237	1.0768	1.1189	5.3400e-003	0.3275	3.9200e-003	0.3314	0.0885	3.6800e-003	0.0921		552.4383	552.4383	0.0242		553.0427

3.6 Paving - 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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8827	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8827	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

3.7 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	1.7437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	1.9482	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	5.7100e-003	0.1847	0.0480	5.1000e-004	0.0128	3.5000e-004	0.0132	3.6900e-003	3.3000e-004	4.0200e-003		54.4972	54.4972	3.1300e-003		54.5754
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	0.0258	0.1980	0.2338	1.0600e-003	0.0687	7.9000e-004	0.0695	0.0185	7.3000e-004	0.0192		109.4328	109.4328	4.6500e-003		109.5489
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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	1.7437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	1.9482	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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	5.7100e-003	0.1847	0.0480	5.1000e-004	0.0128	3.5000e-004	0.0132	3.6900e-003	3.3000e-004	4.0200e-003		54.4972	54.4972	3.1300e-003		54.5754
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	0.0258	0.1980	0.2338	1.0600e-003	0.0687	7.9000e-004	0.0695	0.0185	7.3000e-004	0.0192		109.4328	109.4328	4.6500e-003		109.5489

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	0.0000	0.0000	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
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		

Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

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					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0138	3.0000e-005	3.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.8600e-003	6.8600e-003	2.0000e-005		7.3100e-003
Unmitigated	0.0138	3.0000e-005	3.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.8600e-003	6.8600e-003	2.0000e-005		7.3100e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.3900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0111					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.8600e-003	6.8600e-003	2.0000e-005		7.3100e-003
Total	0.0138	3.0000e-005	3.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.8600e-003	6.8600e-003	2.0000e-005		7.3100e-003

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	2.3900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0111					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.8600e-003	6.8600e-003	2.0000e-005		7.3100e-003
Total	0.0138	3.0000e-005	3.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.8600e-003	6.8600e-003	2.0000e-005		7.3100e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	12	21	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

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

Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (11 - 25 HP)	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

11.0 Vegetation

La Canada Unmitigated Construction and Operations-Phase3 - Los Angeles-South Coast County, Winter

La Canada Unmitigated Construction and Operations-Phase3

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	7.70	1000sqft	0.18	7,700.00	0
Other Non-Asphalt Surfaces	12.00	1000sqft	0.28	12,000.00	0
Parking Lot	11.65	1000sqft	0.27	11,650.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	532.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - 11,650 sqft parking lot to account for basketball courts, associated lighting and seating. 12,000 sqft to account for surrounding hardscaping. 7,700 sqft to account for fire lane. As provided by the Applicant.

Construction Phase - Construction schedule adjusted to match Applicant provided schedule.

Off-road Equipment - Concrete Mortar Mixer added for seating area construction and miscellaneous pours which may require mortar for north gymnasium reconfigurations.

Trips and VMT - Additional Worker and Vendor trips to account for North Gymnasium reconfigurations.

Demolition - 4800 sqft of existing pool, 750 sqft of existing pool building and 6400 sqft of existing pool deck to be demolished. As provided by the Applicant. SQFT converted to Tons of Debris.

Grading - As provided by the Applicant.

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	88.00
tblGrading	MaterialImported	0.00	2,500.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblTripsAndVMT	HaulingTripNumber	313.00	312.00
tblTripsAndVMT	VendorTripNumber	5.00	11.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	13.00	23.00
tblTripsAndVMT	WorkerTripNumber	3.00	5.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.0219	45.7604	18.0854	0.1310	3.7338	0.4517	4.1855	1.2126	0.4318	1.6444	0.0000	14,071.7005	14,071.7005	1.1275	0.0000	14,099.8888
Maximum	2.0219	45.7604	18.0854	0.1310	3.7338	0.4517	4.1855	1.2126	0.4318	1.6444	0.0000	14,071.7005	14,071.7005	1.1275	0.0000	14,099.8888

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					
2022	2.0219	45.7604	18.0854	0.1310	3.1883	0.4517	3.6401	0.9471	0.4318	1.3789	0.0000	14,071.7005	14,071.7005	1.1275	0.0000	14,099.8888
Maximum	2.0219	45.7604	18.0854	0.1310	3.1883	0.4517	3.6401	0.9471	0.4318	1.3789	0.0000	14,071.7005	14,071.7005	1.1275	0.0000	14,099.8888

	ROG	NOx	CO	SO2	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	14.61	0.00	13.03	21.89	0.00	16.14	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0138	3.0000e-005	3.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.8600e-003	6.8600e-003	2.0000e-005		7.3100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	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	0.0138	3.0000e-005	3.2100e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		6.8600e-003	6.8600e-003	2.0000e-005	0.0000	7.3100e-003

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	0.0138	3.0000e-005	3.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.8600e-003	6.8600e-003	2.0000e-005		7.3100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	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	0.0138	3.0000e-005	3.2100e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		6.8600e-003	6.8600e-003	2.0000e-005	0.0000	7.3100e-003

	ROG	NOx	CO	SO2	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	5/2/2022	5/13/2022	5	10	
2	Site Preparation	Site Preparation	5/14/2022	5/16/2022	5	1	
3	Grading	Grading	5/17/2022	5/18/2022	5	2	
4	Building Construction	Building Construction	5/19/2022	9/19/2022	5	88	Includes seating construction and north gymnasium
5	Paving	Paving	9/20/2022	9/26/2022	5	5	
6	Architectural Coating	Architectural Coating	9/27/2022	10/3/2022	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.73

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,881

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	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	4	10.00	0.00	61.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	312.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	23.00	11.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3160	0.0000	1.3160	0.1993	0.0000	0.1993			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	1.3160	0.3375	1.6536	0.1993	0.3225	0.5218		1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0496	1.5374	0.4019	4.6100e-003	0.1067	4.4300e-003	0.1111	0.0292	4.2400e-003	0.0335		501.3082	501.3082	0.0357		502.2005
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	0.0944	1.5669	0.7410	5.6500e-003	0.2185	5.3000e-003	0.2238	0.0589	5.0500e-003	0.0639		604.7652	604.7652	0.0385		605.7287

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					0.5133	0.0000	0.5133	0.0777	0.0000	0.0777			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.5133	0.3375	0.8508	0.0777	0.3225	0.4003	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0496	1.5374	0.4019	4.6100e-003	0.1067	4.4300e-003	0.1111	0.0292	4.2400e-003	0.0335		501.3082	501.3082	0.0357		502.2005
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	0.0944	1.5669	0.7410	5.6500e-003	0.2185	5.3000e-003	0.2238	0.0589	5.0500e-003	0.0639		604.7652	604.7652	0.0385		605.7287

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367		942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.5303	0.2573	0.7876	0.0573	0.2367	0.2940		942.5179	942.5179	0.3048		950.1386

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	0.0224	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	0.0224	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367	0.0000	942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.2068	0.2573	0.4641	0.0223	0.2367	0.2591	0.0000	942.5179	942.5179	0.3048		950.1386

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	0.0224	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	0.0224	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

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8941	0.0000	0.8941	0.4352	0.0000	0.4352			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.8941	0.3375	1.2316	0.4352	0.3225	0.7577		1,147.9025	1,147.9025	0.2119		1,153.2001

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2677	39.3171	10.2769	0.1180	2.7279	0.1133	2.8412	0.7478	0.1084	0.8562		12,820.3411	12,820.3411	0.9128		12,843.1606
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	1.3125	39.3465	10.6161	0.1191	2.8396	0.1142	2.9538	0.7774	0.1092	0.8866		12,923.7980	12,923.7980	0.9156		12,946.6887

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					0.3487	0.0000	0.3487	0.1697	0.0000	0.1697			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.3487	0.3375	0.6862	0.1697	0.3225	0.4923	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2677	39.3171	10.2769	0.1180	2.7279	0.1133	2.8412	0.7478	0.1084	0.8562		12,820.3411	12,820.3411	0.9128		12,843.1606
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	1.3125	39.3465	10.6161	0.1191	2.8396	0.1142	2.9538	0.7774	0.1092	0.8866		12,923.7980	12,923.7980	0.9156		12,946.6887

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7451	7.3940	7.4611	0.0121		0.3862	0.3862		0.3565	0.3565		1,154.4556	1,154.4556	0.3623		1,163.5127
Total	0.7451	7.3940	7.4611	0.0121		0.3862	0.3862		0.3565	0.3565		1,154.4556	1,154.4556	0.3623		1,163.5127

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	0.0330	1.0129	0.2924	2.7300e-003	0.0704	1.9700e-003	0.0724	0.0203	1.8900e-003	0.0222		291.4673	291.4673	0.0183		291.9253
Worker	0.1030	0.0677	0.7801	2.3900e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8500e-003	0.0700		237.9510	237.9510	6.5500e-003		238.1148
Total	0.1360	1.0806	1.0725	5.1200e-003	0.3275	3.9800e-003	0.3315	0.0885	3.7400e-003	0.0922		529.4183	529.4183	0.0249		530.0400

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	0.7451	7.3940	7.4611	0.0121		0.3862	0.3862		0.3565	0.3565	0.0000	1,154.4556	1,154.4556	0.3623		1,163.5127
Total	0.7451	7.3940	7.4611	0.0121		0.3862	0.3862		0.3565	0.3565	0.0000	1,154.4556	1,154.4556	0.3623		1,163.5127

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	0.0330	1.0129	0.2924	2.7300e-003	0.0704	1.9700e-003	0.0724	0.0203	1.8900e-003	0.0222		291.4673	291.4673	0.0183		291.9253
Worker	0.1030	0.0677	0.7801	2.3900e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8500e-003	0.0700		237.9510	237.9510	6.5500e-003		238.1148
Total	0.1360	1.0806	1.0725	5.1200e-003	0.3275	3.9800e-003	0.3315	0.0885	3.7400e-003	0.0922		529.4183	529.4183	0.0249		530.0400

3.6 Paving - 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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8827	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8827	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

3.7 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	1.7437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	1.9482	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	5.9900e-003	0.1842	0.0532	5.0000e-004	0.0128	3.6000e-004	0.0132	3.6900e-003	3.4000e-004	4.0300e-003		52.9941	52.9941	3.3300e-003		53.0773
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	0.0284	0.1989	0.2227	1.0200e-003	0.0687	8.0000e-004	0.0695	0.0185	7.4000e-004	0.0193		104.7225	104.7225	4.7500e-003		104.8414

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	1.7437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	1.9482	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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	5.9900e-003	0.1842	0.0532	5.0000e-004	0.0128	3.6000e-004	0.0132	3.6900e-003	3.4000e-004	4.0300e-003		52.9941	52.9941	3.3300e-003		53.0773
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	0.0284	0.1989	0.2227	1.0200e-003	0.0687	8.0000e-004	0.0695	0.0185	7.4000e-004	0.0193		104.7225	104.7225	4.7500e-003		104.8414

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	0.0000	0.0000	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
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

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					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0138	3.0000e-005	3.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.8600e-003	6.8600e-003	2.0000e-005		7.3100e-003
Unmitigated	0.0138	3.0000e-005	3.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.8600e-003	6.8600e-003	2.0000e-005		7.3100e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.3900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0111					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.8600e-003	6.8600e-003	2.0000e-005		7.3100e-003
Total	0.0138	3.0000e-005	3.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.8600e-003	6.8600e-003	2.0000e-005		7.3100e-003

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	2.3900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0111					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.8600e-003	6.8600e-003	2.0000e-005		7.3100e-003
Total	0.0138	3.0000e-005	3.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.8600e-003	6.8600e-003	2.0000e-005		7.3100e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	12	21	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (11 - 25 HP)	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

11.0 Vegetation

La Cañada - Entire Site (Unmitigated Construction) - Los Angeles-South Coast County, Annual

La Cañada - Entire Site (Unmitigated 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
Other Non-Asphalt Surfaces	0.82	Acre	0.82	35,719.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2022		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - To account for new pavement features, walkways, planting areas, and seating, stairs, ramps, and pavers to be installed on site. Existing paving replaced with new paving, decomposed granite pr pavers.

Construction Phase - Overall start and end dates align with the start and end dates for earliest and latest paving activities from the three phases. Miscellaneous construction activities not associated with any one of the three proposed phases.

Demolition - 35,691 (0.82 acres) of surfaces (asphalt, natural colored concrete, and decomposed granite) to be removed. Sqft converted to tons of debris.

Vehicle Trips - Construction Only.

Consumer Products - Construction Only.

Area Coating - Construction Only.

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	2143	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	5.00	40.00
tblConstructionPhase	NumDays	1.00	20.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0319	0.2932	0.3137	5.8000e-004	0.0258	0.0136	0.0395	7.4400e-003	0.0128	0.0202	0.0000	50.5298	50.5298	0.0114	0.0000	50.8154
Maximum	0.0319	0.2932	0.3137	5.8000e-004	0.0258	0.0136	0.0395	7.4400e-003	0.0128	0.0202	0.0000	50.5298	50.5298	0.0114	0.0000	50.8154

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0319	0.2932	0.3137	5.8000e-004	0.0141	0.0136	0.0278	3.9800e-003	0.0128	0.0168	0.0000	50.5297	50.5297	0.0114	0.0000	50.8153
Maximum	0.0319	0.2932	0.3137	5.8000e-004	0.0141	0.0136	0.0278	3.9800e-003	0.0128	0.0168	0.0000	50.5297	50.5297	0.0114	0.0000	50.8153

	ROG	NOx	CO	SO2	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	45.32	0.00	29.67	46.51	0.00	17.10	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)
5	5-3-2022	8-2-2022	0.1746	0.1746
6	8-3-2022	9-30-2022	0.1503	0.1503
		Highest	0.1746	0.1746

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/11/2022	6/22/2022	6	10	
2	Site Preparation	Site Preparation	6/23/2022	7/15/2022	6	20	
3	Grading	Grading	7/16/2022	8/8/2022	6	20	
4	Paving	Paving	8/9/2022	9/23/2022	6	40	

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	59.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.3700e-003	0.0000	6.3700e-003	9.6000e-004	0.0000	9.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5500e-003	0.0321	0.0374	6.0000e-005		1.6900e-003	1.6900e-003		1.6100e-003	1.6100e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308
Total	3.5500e-003	0.0321	0.0374	6.0000e-005	6.3700e-003	1.6900e-003	8.0600e-003	9.6000e-004	1.6100e-003	2.5700e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308

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	2.4000e-004	7.5800e-003	1.8800e-003	2.0000e-005	5.1000e-004	2.0000e-005	5.3000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	2.2220	2.2220	1.5000e-004	0.0000	2.2259
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	4.4000e-004	7.7300e-003	3.6200e-003	3.0000e-005	1.0600e-003	2.0000e-005	1.0800e-003	2.9000e-004	2.0000e-005	3.1000e-004	0.0000	2.6991	2.6991	1.6000e-004	0.0000	2.7033

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					2.4800e-003	0.0000	2.4800e-003	3.8000e-004	0.0000	3.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5500e-003	0.0321	0.0374	6.0000e-005		1.6900e-003	1.6900e-003		1.6100e-003	1.6100e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308
Total	3.5500e-003	0.0321	0.0374	6.0000e-005	2.4800e-003	1.6900e-003	4.1700e-003	3.8000e-004	1.6100e-003	1.9900e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308

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	2.4000e-004	7.5800e-003	1.8800e-003	2.0000e-005	5.1000e-004	2.0000e-005	5.3000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	2.2220	2.2220	1.5000e-004	0.0000	2.2259
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	4.4000e-004	7.7300e-003	3.6200e-003	3.0000e-005	1.0600e-003	2.0000e-005	1.0800e-003	2.9000e-004	2.0000e-005	3.1000e-004	0.0000	2.6991	2.6991	1.6000e-004	0.0000	2.7033

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3000e-003	0.0000	5.3000e-003	5.7000e-004	0.0000	5.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8000e-003	0.0693	0.0396	1.0000e-004		2.5700e-003	2.5700e-003		2.3700e-003	2.3700e-003	0.0000	8.5504	8.5504	2.7700e-003	0.0000	8.6195
Total	5.8000e-003	0.0693	0.0396	1.0000e-004	5.3000e-003	2.5700e-003	7.8700e-003	5.7000e-004	2.3700e-003	2.9400e-003	0.0000	8.5504	8.5504	2.7700e-003	0.0000	8.6195

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774

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					2.0700e-003	0.0000	2.0700e-003	2.2000e-004	0.0000	2.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8000e-003	0.0693	0.0396	1.0000e-004		2.5700e-003	2.5700e-003		2.3700e-003	2.3700e-003	0.0000	8.5504	8.5504	2.7700e-003	0.0000	8.6195
Total	5.8000e-003	0.0693	0.0396	1.0000e-004	2.0700e-003	2.5700e-003	4.6400e-003	2.2000e-004	2.3700e-003	2.5900e-003	0.0000	8.5504	8.5504	2.7700e-003	0.0000	8.6195

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5300e-003	0.0000	7.5300e-003	4.1400e-003	0.0000	4.1400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0900e-003	0.0641	0.0747	1.2000e-004		3.3800e-003	3.3800e-003		3.2300e-003	3.2300e-003	0.0000	10.4136	10.4136	1.9200e-003	0.0000	10.4617
Total	7.0900e-003	0.0641	0.0747	1.2000e-004	7.5300e-003	3.3800e-003	0.0109	4.1400e-003	3.2300e-003	7.3700e-003	0.0000	10.4136	10.4136	1.9200e-003	0.0000	10.4617

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					
Fugitive Dust					2.9400e-003	0.0000	2.9400e-003	1.6100e-003	0.0000	1.6100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0900e-003	0.0641	0.0747	1.2000e-004		3.3800e-003	3.3800e-003		3.2300e-003	3.2300e-003	0.0000	10.4136	10.4136	1.9200e-003	0.0000	10.4616
Total	7.0900e-003	0.0641	0.0747	1.2000e-004	2.9400e-003	3.3800e-003	6.3200e-003	1.6100e-003	3.2300e-003	4.8400e-003	0.0000	10.4136	10.4136	1.9200e-003	0.0000	10.4616

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	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

3.5 Paving - 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	0.0129	0.1184	0.1407	2.3000e-004		5.9200e-003	5.9200e-003		5.5200e-003	5.5200e-003	0.0000	18.7937	18.7937	5.4700e-003	0.0000	18.9306
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0129	0.1184	0.1407	2.3000e-004		5.9200e-003	5.9200e-003		5.5200e-003	5.5200e-003	0.0000	18.7937	18.7937	5.4700e-003	0.0000	18.9306

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4500e-003	1.0900e-003	0.0125	4.0000e-005	3.9400e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.4350	3.4350	9.0000e-005	0.0000	3.4373
Total	1.4500e-003	1.0900e-003	0.0125	4.0000e-005	3.9400e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.4350	3.4350	9.0000e-005	0.0000	3.4373

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	0.0129	0.1184	0.1407	2.3000e-004		5.9200e-003	5.9200e-003		5.5200e-003	5.5200e-003	0.0000	18.7937	18.7937	5.4700e-003	0.0000	18.9305
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0129	0.1184	0.1407	2.3000e-004		5.9200e-003	5.9200e-003		5.5200e-003	5.5200e-003	0.0000	18.7937	18.7937	5.4700e-003	0.0000	18.9305

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4500e-003	1.0900e-003	0.0125	4.0000e-005	3.9400e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.4350	3.4350	9.0000e-005	0.0000	3.4373
Total	1.4500e-003	1.0900e-003	0.0125	4.0000e-005	3.9400e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.4350	3.4350	9.0000e-005	0.0000	3.4373

La Cañada - Entire Site (Unmitigated Construction) - Los Angeles-South Coast County, Summer

La Cañada - Entire Site (Unmitigated Construction)
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	0.82	Acre	0.82	35,719.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - To account for new pavement features, walkways, planting areas, and seating, stairs, ramps, and pavers to be installed on site. Existing paving replaced with new paving, decomposed granite pr pavers.

Construction Phase - Overall start and end dates align with the start and end dates for earliest and latest paving activities from the three phases. Miscellaneous construction activities not associated with any one of the three proposed phases.

Demolition - 35,691 (0.82 acres) of surfaces (asphalt, natural colored concrete, and decomposed granite) to be removed. Sqft converted to tons of debris.

Vehicle Trips - Construction Only.

Consumer Products - Construction Only.

Area Coating - Construction Only.

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	2143	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	5.00	40.00
tblConstructionPhase	NumDays	1.00	20.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.7964	7.9106	8.2082	0.0176	1.4882	0.3426	1.8308	0.4434	0.3274	0.7668	0.0000	1,751.2703	1,751.2703	0.3072	0.0000	1,757.4783
Maximum	0.7964	7.9106	8.2082	0.0176	1.4882	0.3426	1.8308	0.4434	0.3274	0.7668	0.0000	1,751.2703	1,751.2703	0.3072	0.0000	1,757.4783

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					
2022	0.7964	7.9106	8.2082	0.0176	0.7115	0.3426	1.0541	0.1910	0.3274	0.5144	0.0000	1,751.2703	1,751.2703	0.3072	0.0000	1,757.4783
Maximum	0.7964	7.9106	8.2082	0.0176	0.7115	0.3426	1.0541	0.1910	0.3274	0.5144	0.0000	1,751.2703	1,751.2703	0.3072	0.0000	1,757.4783

	ROG	NOx	CO	SO2	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	52.19	0.00	42.42	56.92	0.00	32.92	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	6/11/2022	6/22/2022	6	10	
2	Site Preparation	Site Preparation	6/23/2022	7/15/2022	6	20	
3	Grading	Grading	7/16/2022	8/8/2022	6	20	
4	Paving	Paving	8/9/2022	9/23/2022	6	40	

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	59.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2732	0.0000	1.2732	0.1928	0.0000	0.1928			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	1.2732	0.3375	1.6108	0.1928	0.3225	0.5153		1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0468	1.4702	0.3673	4.5400e-003	0.1032	4.2200e-003	0.1074	0.0283	4.0400e-003	0.0323		493.4966	493.4966	0.0334		494.3312
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	0.0870	1.4968	0.7389	5.6400e-003	0.2150	5.0900e-003	0.2200	0.0579	4.8500e-003	0.0628		603.3679	603.3679	0.0364		604.2782

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					0.4966	0.0000	0.4966	0.0752	0.0000	0.0752			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.4966	0.3375	0.8341	0.0752	0.3225	0.3977	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0468	1.4702	0.3673	4.5400e-003	0.1032	4.2200e-003	0.1074	0.0283	4.0400e-003	0.0323		493.4966	493.4966	0.0334		494.3312
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	0.0870	1.4968	0.7389	5.6400e-003	0.2150	5.0900e-003	0.2200	0.0579	4.8500e-003	0.0628		603.3679	603.3679	0.0364		604.2782

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367		942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.5303	0.2573	0.7876	0.0573	0.2367	0.2940		942.5179	942.5179	0.3048		950.1386

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	0.0201	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	0.0201	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367	0.0000	942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.2068	0.2573	0.4641	0.0223	0.2367	0.2591	0.0000	942.5179	942.5179	0.3048		950.1386

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	0.0201	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	0.0201	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

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.7528	0.3375	1.0903	0.4138	0.3225	0.7363		1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0402	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	0.0402	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

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					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.2936	0.3375	0.6311	0.1614	0.3225	0.4839	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0402	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	0.0402	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

3.5 Paving - 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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.824 6	1,035.824 6	0.3017		1,043.367 7
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.824 6	1,035.824 6	0.3017		1,043.367 7

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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

La Cañada - Entire Site (Unmitigated Construction) - Los Angeles-South Coast County, Winter

La Cañada - Entire Site (Unmitigated 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
Other Non-Asphalt Surfaces	0.82	Acre	0.82	35,719.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2022		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - To account for new pavement features, walkways, planting areas, and seating, stairs, ramps, and pavers to be installed on site. Existing paving replaced with new paving, decomposed granite pr pavers.

Construction Phase - Overall start and end dates align with the start and end dates for earliest and latest paving activities from the three phases. Miscellaneous construction activities not associated with any one of the three proposed phases.

Demolition - 35,691 (0.82 acres) of surfaces (asphalt, natural colored concrete, and decomposed granite) to be removed. Sqft converted to tons of debris.

Vehicle Trips - Construction Only.

Consumer Products - Construction Only.

Area Coating - Construction Only.

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	2143	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	5.00	40.00
tblConstructionPhase	NumDays	1.00	20.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.8021	7.9303	8.1972	0.0175	1.4882	0.3427	1.8309	0.4434	0.3274	0.7668	0.0000	1,736.2313	1,736.2313	0.3069	0.0000	1,742.4632
Maximum	0.8021	7.9303	8.1972	0.0175	1.4882	0.3427	1.8309	0.4434	0.3274	0.7668	0.0000	1,736.2313	1,736.2313	0.3069	0.0000	1,742.4632

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					
2022	0.8021	7.9303	8.1972	0.0175	0.7115	0.3427	1.0542	0.1910	0.3274	0.5144	0.0000	1,736.2313	1,736.2313	0.3069	0.0000	1,742.4632
Maximum	0.8021	7.9303	8.1972	0.0175	0.7115	0.3427	1.0542	0.1910	0.3274	0.5144	0.0000	1,736.2313	1,736.2313	0.3069	0.0000	1,742.4632

	ROG	NOx	CO	SO2	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	52.19	0.00	42.42	56.92	0.00	32.92	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	6/11/2022	6/22/2022	6	10	
2	Site Preparation	Site Preparation	6/23/2022	7/15/2022	6	20	
3	Grading	Grading	7/16/2022	8/8/2022	6	20	
4	Paving	Paving	8/9/2022	9/23/2022	6	40	

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	59.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2732	0.0000	1.2732	0.1928	0.0000	0.1928			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	1.2732	0.3375	1.6108	0.1928	0.3225	0.5153		1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0480	1.4870	0.3887	4.4600e-003	0.1032	4.2900e-003	0.1075	0.0283	4.1000e-003	0.0324		484.8719	484.8719	0.0345		485.7349
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	0.0927	1.5164	0.7279	5.5000e-003	0.2150	5.1600e-003	0.2201	0.0579	4.9100e-003	0.0628		588.3288	588.3288	0.0374		589.2631

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					0.4966	0.0000	0.4966	0.0752	0.0000	0.0752			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.4966	0.3375	0.8341	0.0752	0.3225	0.3977	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0480	1.4870	0.3887	4.4600e-003	0.1032	4.2900e-003	0.1075	0.0283	4.1000e-003	0.0324		484.8719	484.8719	0.0345		485.7349
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	0.0927	1.5164	0.7279	5.5000e-003	0.2150	5.1600e-003	0.2201	0.0579	4.9100e-003	0.0628		588.3288	588.3288	0.0374		589.2631

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367		942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.5303	0.2573	0.7876	0.0573	0.2367	0.2940		942.5179	942.5179	0.3048		950.1386

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	0.0224	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	0.0224	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367	0.0000	942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.2068	0.2573	0.4641	0.0223	0.2367	0.2591	0.0000	942.5179	942.5179	0.3048		950.1386

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	0.0224	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	0.0224	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

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.7528	0.3375	1.0903	0.4138	0.3225	0.7363		1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0448	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	0.0448	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

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					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.2936	0.3375	0.6311	0.1614	0.3225	0.4839	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0448	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	0.0448	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

3.5 Paving - 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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.824 6	1,035.824 6	0.3017		1,043.367 7
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.824 6	1,035.824 6	0.3017		1,043.367 7

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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

La Cañada – Phase 1 Construction (Mitigated) - Los Angeles-South Coast County, Annual

La Cañada – Phase 1 Construction (Mitigated)**Los Angeles-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.04	1000sqft	0.12	5,044.00	0
Other Non-Asphalt Surfaces	0.30	Acre	0.30	13,068.00	0
Recreational Swimming Pool	10.20	1000sqft	0.23	10,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2022		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant. Construction run only.

Land Use - 10,200 square-foot swimming pool. Pool building area (equipment area, locker rooms, storage room, coach's office and restroom) represented as general office building (maximum building square footage used).

Construction Phase - Building Construction phase additionally accounts for pool deck, bleacher seating, floating bulkhead and light pole installation. Construction Schedule adjusted according to Applicant provided start and end dates.

Trips and VMT - 20 trailer trips for bleachers, 2 trailer trips for bulkhead and 8 trailer trips for light poles assumed.

Demolition - Two basketball courts totaling 17,000 square feet to demolished. Square footage converted to tons of debris.

Grading - As provided by the Applicant.

9,700 cubic yards of material to be imported

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Tier IV Final Mitigation for construction equipment >50 HP.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	1.00	65.00
tblConstructionPhase	NumDays	2.00	7.00
tblConstructionPhase	NumDays	100.00	229.00
tblGrading	MaterialExported	0.00	9,700.00
tblLandUse	LandUseSquareFeet	5,040.00	5,044.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	30.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	SU_TR	1.05	0.00

tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	33.82	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0729	0.8861	0.6084	1.5800e-003	0.0441	0.0346	0.0788	9.4700e-003	0.0320	0.0415	0.0000	144.1786	144.1786	0.0296	0.0000	144.9180
2022	0.1017	0.5327	0.5455	9.9000e-004	0.0111	0.0264	0.0375	3.0000e-003	0.0243	0.0273	0.0000	87.6804	87.6804	0.0235	0.0000	88.2680
Maximum	0.1017	0.8861	0.6084	1.5800e-003	0.0441	0.0346	0.0788	9.4700e-003	0.0320	0.0415	0.0000	144.1786	144.1786	0.0296	0.0000	144.9180

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	0.0208	0.2488	0.6742	1.5800e-003	0.0298	2.1700e-003	0.0320	7.1200e-003	2.1400e-003	9.2600e-003	0.0000	144.1785	144.1785	0.0296	0.0000	144.9179
2022	0.0632	0.0820	0.5865	9.9000e-004	0.0111	1.5600e-003	0.0127	3.0000e-003	1.5500e-003	4.5500e-003	0.0000	87.6803	87.6803	0.0235	0.0000	88.2679
Maximum	0.0632	0.2488	0.6742	1.5800e-003	0.0298	2.1700e-003	0.0320	7.1200e-003	2.1400e-003	9.2600e-003	0.0000	144.1785	144.1785	0.0296	0.0000	144.9179

	ROG	NOx	CO	SO2	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	51.92	76.68	-9.26	0.00	25.89	93.89	61.59	18.85	93.45	79.92	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	5-3-2021	8-2-2021	0.4284	0.1733
2	8-3-2021	11-2-2021	0.3201	0.0601
3	11-3-2021	2-2-2022	0.2956	0.0446
4	2-3-2022	5-2-2022	0.2638	0.0424
5	5-3-2022	8-2-2022	0.2767	0.0872
		Highest	0.4284	0.1733

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	5/3/2021	5/14/2021	5	10	
2	Site Preparation	Site Preparation	5/15/2021	8/13/2021	5	65	Removal of utilities, hauling, recompaction
3	Grading	Grading	8/14/2021	8/24/2021	5	7	
4	Building Construction	Building Construction	8/25/2021	7/11/2022	5	229	
5	Paving	Paving	7/12/2022	7/18/2022	5	5	
6	Architectural Coating	Architectural Coating	7/19/2022	7/25/2022	5	5	

Acres of Grading (Site Preparation Phase): 32.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 15,132; Non-Residential Outdoor: 5,044; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	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	4	10.00	0.00	28.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	1,213.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	11.00	5.00	30.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved 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					3.0300e-003	0.0000	3.0300e-003	4.6000e-004	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9800e-003	0.0363	0.0379	6.0000e-005		2.0400e-003	2.0400e-003		1.9400e-003	1.9400e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289
Total	3.9800e-003	0.0363	0.0379	6.0000e-005	3.0300e-003	2.0400e-003	5.0700e-003	4.6000e-004	1.9400e-003	2.4000e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289

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	3.8800e-003	9.0000e-004	1.0000e-005	2.4000e-004	1.0000e-005	2.5000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.0672	1.0672	7.0000e-005	0.0000	1.0691
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	2.2000e-004	1.7000e-004	1.8900e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4945	0.4945	1.0000e-005	0.0000	0.4948
Total	3.4000e-004	4.0500e-003	2.7900e-003	2.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	1.5617	1.5617	8.0000e-005	0.0000	1.5639

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1800e-003	0.0000	1.1800e-003	1.8000e-004	0.0000	1.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6000e-004	2.8700e-003	0.0393	6.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289
Total	6.6000e-004	2.8700e-003	0.0393	6.0000e-005	1.1800e-003	9.0000e-005	1.2700e-003	1.8000e-004	9.0000e-005	2.7000e-004	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289

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	3.8800e-003	9.0000e-004	1.0000e-005	2.4000e-004	1.0000e-005	2.5000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.0672	1.0672	7.0000e-005	0.0000	1.0691
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	2.2000e-004	1.7000e-004	1.8900e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4945	0.4945	1.0000e-005	0.0000	0.4948
Total	3.4000e-004	4.0500e-003	2.7900e-003	2.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	1.5617	1.5617	8.0000e-005	0.0000	1.5639

3.3 Site Preparation - 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					0.0178	0.0000	0.0178	1.9400e-003	0.0000	1.9400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0208	0.2542	0.1309	3.2000e-004		9.7300e-003	9.7300e-003		8.9500e-003	8.9500e-003	0.0000	27.7907	27.7907	8.9900e-003	0.0000	28.0154
Total	0.0208	0.2542	0.1309	3.2000e-004	0.0178	9.7300e-003	0.0275	1.9400e-003	8.9500e-003	0.0109	0.0000	27.7907	27.7907	8.9900e-003	0.0000	28.0154

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	5.1100e-003	0.1679	0.0392	4.7000e-004	0.0104	5.0000e-004	0.0109	2.8600e-003	4.8000e-004	3.3400e-003	0.0000	46.2333	46.2333	3.2100e-003	0.0000	46.3135
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	7.0000e-004	5.4000e-004	6.1500e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.8000e-003	4.7000e-004	1.0000e-005	4.9000e-004	0.0000	1.6070	1.6070	5.0000e-005	0.0000	1.6082
Total	5.8100e-003	0.1684	0.0453	4.9000e-004	0.0122	5.1000e-004	0.0127	3.3300e-003	4.9000e-004	3.8300e-003	0.0000	47.8403	47.8403	3.2600e-003	0.0000	47.9217

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					6.9300e-003	0.0000	6.9300e-003	7.6000e-004	0.0000	7.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8700e-003	0.0168	0.1728	3.2000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	27.7907	27.7907	8.9900e-003	0.0000	28.0154
Total	3.8700e-003	0.0168	0.1728	3.2000e-004	6.9300e-003	5.2000e-004	7.4500e-003	7.6000e-004	5.2000e-004	1.2800e-003	0.0000	27.7907	27.7907	8.9900e-003	0.0000	28.0154

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	5.1100e-003	0.1679	0.0392	4.7000e-004	0.0104	5.0000e-004	0.0109	2.8600e-003	4.8000e-004	3.3400e-003	0.0000	46.2333	46.2333	3.2100e-003	0.0000	46.3135
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	7.0000e-004	5.4000e-004	6.1500e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.8000e-003	4.7000e-004	1.0000e-005	4.9000e-004	0.0000	1.6070	1.6070	5.0000e-005	0.0000	1.6082
Total	5.8100e-003	0.1684	0.0453	4.9000e-004	0.0122	5.1000e-004	0.0127	3.3300e-003	4.9000e-004	3.8300e-003	0.0000	47.8403	47.8403	3.2600e-003	0.0000	47.9217

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.6300e-003	0.0000	2.6300e-003	1.4500e-003	0.0000	1.4500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7900e-003	0.0254	0.0265	4.0000e-005		1.4300e-003	1.4300e-003		1.3600e-003	1.3600e-003	0.0000	3.6433	3.6433	6.8000e-004	0.0000	3.6602
Total	2.7900e-003	0.0254	0.0265	4.0000e-005	2.6300e-003	1.4300e-003	4.0600e-003	1.4500e-003	1.3600e-003	2.8100e-003	0.0000	3.6433	3.6433	6.8000e-004	0.0000	3.6602

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.3200e-003	0.0000	3.8000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3461	0.3461	1.0000e-005	0.0000	0.3464
Total	1.5000e-004	1.2000e-004	1.3200e-003	0.0000	3.8000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3461	0.3461	1.0000e-005	0.0000	0.3464

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0300e-003	0.0000	1.0300e-003	5.6000e-004	0.0000	5.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	2.0100e-003	0.0275	4.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.6433	3.6433	6.8000e-004	0.0000	3.6602
Total	4.6000e-004	2.0100e-003	0.0275	4.0000e-005	1.0300e-003	6.0000e-005	1.0900e-003	5.6000e-004	6.0000e-005	6.2000e-004	0.0000	3.6433	3.6433	6.8000e-004	0.0000	3.6602

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.3200e-003	0.0000	3.8000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3461	0.3461	1.0000e-005	0.0000	0.3464
Total	1.5000e-004	1.2000e-004	1.3200e-003	0.0000	3.8000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3461	0.3461	1.0000e-005	0.0000	0.3464

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0360	0.3713	0.3378	5.3000e-004		0.0208	0.0208		0.0192	0.0192	0.0000	46.5382	46.5382	0.0151	0.0000	46.9144
Total	0.0360	0.3713	0.3378	5.3000e-004		0.0208	0.0208		0.0192	0.0192	0.0000	46.5382	46.5382	0.0151	0.0000	46.9144

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	1.6900e-003	3.9000e-004	0.0000	2.2000e-004	1.0000e-005	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.4644	0.4644	3.0000e-005	0.0000	0.4652
Vendor	7.2000e-004	0.0230	6.2200e-003	6.0000e-005	1.4600e-003	5.0000e-005	1.5100e-003	4.2000e-004	4.0000e-005	4.7000e-004	0.0000	5.7311	5.7311	3.5000e-004	0.0000	5.7398
Worker	2.2000e-003	1.7100e-003	0.0193	6.0000e-005	5.6100e-003	5.0000e-005	5.6500e-003	1.4900e-003	4.0000e-005	1.5300e-003	0.0000	5.0583	5.0583	1.5000e-004	0.0000	5.0620
Total	2.9700e-003	0.0264	0.0260	1.2000e-004	7.2900e-003	1.1000e-004	7.3800e-003	1.9700e-003	8.0000e-005	2.0600e-003	0.0000	11.2537	11.2537	5.3000e-004	0.0000	11.2670

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4900e-003	0.0281	0.3593	5.3000e-004		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	46.5381	46.5381	0.0151	0.0000	46.9144
Total	6.4900e-003	0.0281	0.3593	5.3000e-004		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	46.5381	46.5381	0.0151	0.0000	46.9144

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	1.6900e-003	3.9000e-004	0.0000	2.2000e-004	1.0000e-005	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.4644	0.4644	3.0000e-005	0.0000	0.4652
Vendor	7.2000e-004	0.0230	6.2200e-003	6.0000e-005	1.4600e-003	5.0000e-005	1.5100e-003	4.2000e-004	4.0000e-005	4.7000e-004	0.0000	5.7311	5.7311	3.5000e-004	0.0000	5.7398
Worker	2.2000e-003	1.7100e-003	0.0193	6.0000e-005	5.6100e-003	5.0000e-005	5.6500e-003	1.4900e-003	4.0000e-005	1.5300e-003	0.0000	5.0583	5.0583	1.5000e-004	0.0000	5.0620
Total	2.9700e-003	0.0264	0.0260	1.2000e-004	7.2900e-003	1.1000e-004	7.3800e-003	1.9700e-003	8.0000e-005	2.0600e-003	0.0000	11.2537	11.2537	5.3000e-004	0.0000	11.2670

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0467	0.4778	0.4864	7.8000e-004		0.0253	0.0253		0.0233	0.0233	0.0000	68.1004	68.1004	0.0220	0.0000	68.6511
Total	0.0467	0.4778	0.4864	7.8000e-004		0.0253	0.0253		0.0233	0.0233	0.0000	68.1004	68.1004	0.0220	0.0000	68.6511

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	7.0000e-005	2.2900e-003	5.7000e-004	1.0000e-005	2.3000e-004	1.0000e-005	2.4000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6710	0.6710	5.0000e-005	0.0000	0.6722
Vendor	9.9000e-004	0.0319	8.6100e-003	9.0000e-005	2.1400e-003	6.0000e-005	2.2000e-003	6.2000e-004	6.0000e-005	6.8000e-004	0.0000	8.3073	8.3073	5.0000e-004	0.0000	8.3197
Worker	3.0200e-003	2.2600e-003	0.0261	8.0000e-005	8.2000e-003	7.0000e-005	8.2600e-003	2.1800e-003	6.0000e-005	2.2400e-003	0.0000	7.1371	7.1371	2.0000e-004	0.0000	7.1420
Total	4.0800e-003	0.0364	0.0352	1.8000e-004	0.0106	1.4000e-004	0.0107	2.8600e-003	1.3000e-004	2.9900e-003	0.0000	16.1154	16.1154	7.5000e-004	0.0000	16.1338

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	9.5000e-003	0.0412	0.5254	7.8000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	68.1004	68.1004	0.0220	0.0000	68.6510
Total	9.5000e-003	0.0412	0.5254	7.8000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	68.1004	68.1004	0.0220	0.0000	68.6510

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	7.0000e-005	2.2900e-003	5.7000e-004	1.0000e-005	2.3000e-004	1.0000e-005	2.4000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6710	0.6710	5.0000e-005	0.0000	0.6722
Vendor	9.9000e-004	0.0319	8.6100e-003	9.0000e-005	2.1400e-003	6.0000e-005	2.2000e-003	6.2000e-004	6.0000e-005	6.8000e-004	0.0000	8.3073	8.3073	5.0000e-004	0.0000	8.3197
Worker	3.0200e-003	2.2600e-003	0.0261	8.0000e-005	8.2000e-003	7.0000e-005	8.2600e-003	2.1800e-003	6.0000e-005	2.2400e-003	0.0000	7.1371	7.1371	2.0000e-004	0.0000	7.1420
Total	4.0800e-003	0.0364	0.0352	1.8000e-004	0.0106	1.4000e-004	0.0107	2.8600e-003	1.3000e-004	2.9900e-003	0.0000	16.1154	16.1154	7.5000e-004	0.0000	16.1338

3.6 Paving - 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	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4294	0.4294	1.0000e-005	0.0000	0.4297
Total	1.8000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4294	0.4294	1.0000e-005	0.0000	0.4297

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	7.2000e-004	3.9700e-003	0.0196	3.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.2000e-004	3.9700e-003	0.0196	3.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4294	0.4294	1.0000e-005	0.0000	0.4297
Total	1.8000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4294	0.4294	1.0000e-005	0.0000	0.4297

3.7 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	0.0486					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0491	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	1.7000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0477	0.0477	0.0000	0.0000	0.0477
Total	2.0000e-005	2.0000e-005	1.7000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0477	0.0477	0.0000	0.0000	0.0477

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	0.0486					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0000e-005	3.2000e-004	4.5800e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0486	3.2000e-004	4.5800e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	1.7000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0477	0.0477	0.0000	0.0000	0.0477
Total	2.0000e-005	2.0000e-005	1.7000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0477	0.0477	0.0000	0.0000	0.0477

La Cañada – Phase 1 Construction (Mitigated) - Los Angeles-South Coast County, Summer

La Cañada – Phase 1 Construction (Mitigated)**Los Angeles-South Coast County, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.04	1000sqft	0.12	5,044.00	0
Other Non-Asphalt Surfaces	0.30	Acre	0.30	13,068.00	0
Recreational Swimming Pool	10.20	1000sqft	0.23	10,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - 10,200 square-foot swimming pool. Pool building area (equipment area, locker rooms, storage room, coach's office and restroom) represented as general office building (maximum building square footage used).

Construction Phase - Building Construction phase additionally accounts for pool deck, bleacher seating, floating bulkhead and light pole installation. Construction Schedule adjusted according to Applicant provided start and end dates.

Trips and VMT - 20 trailer trips for bleachers, 2 trailer trips for bulkhead and 8 trailer trips for light poles assumed.

Demolition - Two basketball courts totaling 17,000 square feet to demolished. Square footage converted to tons of debris.

Grading - As provided by the Applicant.

9,700 cubic yards of material to be imported

Vehicle Trips - The project will not generate any new operational trips.

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Tier IV Final Mitigation for construction equipment >50 HP.

Stationary Sources - Emergency Generators and Fire Pumps - 15 kW generator operating 12 hours per year as per information provided by the Applicant.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	1.00	65.00
tblConstructionPhase	NumDays	2.00	7.00
tblConstructionPhase	NumDays	100.00	229.00
tblGrading	MaterialExported	0.00	9,700.00
tblLandUse	LandUseSquareFeet	5,040.00	5,044.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	30.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	9.10	0.00

tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	33.82	0.00

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	0.8628	12.8410	8.1480	0.0249	0.9293	0.4496	1.2728	0.4434	0.4137	0.8329	0.0000	2,579.1216	2,579.1216	0.4137	0.0000	2,589.4648
2022	19.6425	7.5493	7.7037	0.0140	0.2012	0.3739	0.5323	0.0534	0.3440	0.3867	0.0000	1,371.9983	1,371.9983	0.3689	0.0000	1,381.2216
Maximum	19.6425	12.8410	8.1480	0.0249	0.9293	0.4496	1.2728	0.4434	0.4137	0.8329	0.0000	2,579.1216	2,579.1216	0.4137	0.0000	2,589.4648

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	0.2961	5.5367	8.4298	0.0249	0.5956	0.0317	0.6273	0.1910	0.0310	0.2095	0.0000	2,579.1216	2,579.1216	0.4137	0.0000	2,589.4648
2022	19.4677	1.6375	8.4970	0.0140	0.2012	0.0594	0.2606	0.0534	0.0593	0.1127	0.0000	1,371.9983	1,371.9983	0.3689	0.0000	1,381.2216
Maximum	19.4677	5.5367	8.4970	0.0249	0.5956	0.0594	0.6273	0.1910	0.0593	0.2095	0.0000	2,579.1216	2,579.1216	0.4137	0.0000	2,589.4648

	ROG	NOx	CO	SO2	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	3.62	64.82	-6.78	0.00	29.52	88.93	50.81	50.81	88.08	73.58	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2311	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003
Energy	1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250
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
Stationary	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	0.2327	0.0141	0.0134	8.0000e-005	0.0000	1.0800e-003	1.0800e-003	0.0000	1.0800e-003	1.0800e-003		16.9278	16.9278	3.3000e-004	3.1000e-004	17.0286

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	0.2311	1.0000e-005	1.5900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4000e-003	3.4000e-003	1.0000e-005		3.6300e-003
Energy	1.5500e-003	0.0141	0.0119	8.0000e-005		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003		16.9244	16.9244	3.2000e-004	3.1000e-004	17.0250
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
Stationary	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	0.2327	0.0141	0.0134	8.0000e-005	0.0000	1.0800e-003	1.0800e-003	0.0000	1.0800e-003	1.0800e-003		16.9278	16.9278	3.3000e-004	3.1000e-004	17.0286

	ROG	NOx	CO	SO2	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	5/3/2021	5/14/2021	5	10	
2	Site Preparation	Site Preparation	5/15/2021	8/13/2021	5	65	Removal of utilities, hauling, reconnection
3	Grading	Grading	8/14/2021	8/24/2021	5	7	
4	Building Construction	Building Construction	8/25/2021	7/11/2022	5	229	
5	Paving	Paving	7/12/2022	7/18/2022	5	5	
6	Architectural Coating	Architectural Coating	7/19/2022	7/25/2022	5	5	

Acres of Grading (Site Preparation Phase): 32.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 15,132; Non-Residential Outdoor: 5,044; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	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	4	10.00	0.00	28.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	1,213.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	11.00	5.00	30.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved 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	lb/day										lb/day					
Fugitive Dust					0.6056	0.0000	0.6056	0.0917	0.0000	0.0917			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.6056	0.4073	1.0129	0.0917	0.3886	0.4803		1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0234	0.7511	0.1761	2.1800e-003	0.0490	2.3100e-003	0.0513	0.0134	2.2100e-003	0.0156		237.0050	237.0050	0.0161		237.4071
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	0.0662	0.7805	0.5789	3.3200e-003	0.1607	3.2100e-003	0.1639	0.0431	3.0400e-003	0.0461		350.8820	350.8820	0.0194		351.3679

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					0.2362	0.0000	0.2362	0.0358	0.0000	0.0358			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.1326	0.5747	7.8509	0.0120	0.2362	0.0177	0.2539	0.0358	0.0177	0.0534	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0234	0.7511	0.1761	2.1800e-003	0.0490	2.3100e-003	0.0513	0.0134	2.2100e-003	0.0156		237.0050	237.0050	0.0161		237.4071
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	0.0662	0.7805	0.5789	3.3200e-003	0.1607	3.2100e-003	0.1639	0.0431	3.0400e-003	0.0461		350.8820	350.8820	0.0194		351.3679

3.3 Site Preparation - 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					0.5471	0.0000	0.5471	0.0598	0.0000	0.0598			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755		942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.5471	0.2995	0.8466	0.0598	0.2755	0.3353		942.5842	942.5842	0.3049		950.2055

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	0.1556	5.0058	1.1737	0.0146	0.3263	0.0154	0.3417	0.0895	0.0147	0.1042		1,579.5990	1,579.5990	0.1072		1,582.2789
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	0.1770	5.0206	1.3751	0.0151	0.3822	0.0158	0.3980	0.1043	0.0151	0.1194		1,636.5375	1,636.5375	0.1089		1,639.2593

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					0.2134	0.0000	0.2134	0.0233	0.0000	0.0233			0.0000			0.0000
Off-Road	0.1191	0.5162	5.3170	9.7300e-003		0.0159	0.0159		0.0159	0.0159	0.0000	942.5842	942.5842	0.3049		950.2055
Total	0.1191	0.5162	5.3170	9.7300e-003	0.2134	0.0159	0.2293	0.0233	0.0159	0.0392	0.0000	942.5842	942.5842	0.3049		950.2055

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	0.1556	5.0058	1.1737	0.0146	0.3263	0.0154	0.3417	0.0895	0.0147	0.1042		1,579.5990	1,579.5990	0.1072		1,582.2789
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	0.1770	5.0206	1.3751	0.0151	0.3822	0.0158	0.3980	0.1043	0.0151	0.1194		1,636.5375	1,636.5375	0.1089		1,639.2593

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.7528	0.4073	1.1601	0.4138	0.3886	0.8024		1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0429	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	0.0429	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

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					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.1326	0.5747	7.8509	0.0120	0.2936	0.0177	0.3113	0.1614	0.0177	0.1791	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0429	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	0.0429	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

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0900e-003	0.0351	8.2400e-003	1.0000e-004	4.8200e-003	1.1000e-004	4.9300e-003	1.2500e-003	1.0000e-004	1.3500e-003		11.0888	11.0888	7.5000e-004		11.1076
Vendor	0.0152	0.4855	0.1269	1.2900e-003	0.0320	9.9000e-004	0.0330	9.2200e-003	9.5000e-004	0.0102		137.4403	137.4403	8.1000e-003		137.6427
Worker	0.0472	0.0324	0.4431	1.2600e-003	0.1230	9.9000e-004	0.1240	0.0326	9.2000e-004	0.0335		125.2647	125.2647	3.6900e-003		125.3570
Total	0.0634	0.5530	0.5782	2.6500e-003	0.1598	2.0900e-003	0.1619	0.0431	1.9700e-003	0.0450		273.7938	273.7938	0.0125		274.1073

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	0.1397	0.6052	7.7261	0.0114		0.0186	0.0186		0.0186	0.0186	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.1397	0.6052	7.7261	0.0114		0.0186	0.0186		0.0186	0.0186	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0900e-003	0.0351	8.2400e-003	1.0000e-004	4.8200e-003	1.1000e-004	4.9300e-003	1.2500e-003	1.0000e-004	1.3500e-003		11.0888	11.0888	7.5000e-004		11.1076
Vendor	0.0152	0.4855	0.1269	1.2900e-003	0.0320	9.9000e-004	0.0330	9.2200e-003	9.5000e-004	0.0102		137.4403	137.4403	8.1000e-003		137.6427
Worker	0.0472	0.0324	0.4431	1.2600e-003	0.1230	9.9000e-004	0.1240	0.0326	9.2000e-004	0.0335		125.2647	125.2647	3.6900e-003		125.3570
Total	0.0634	0.5530	0.5782	2.6500e-003	0.1598	2.0900e-003	0.1619	0.0431	1.9700e-003	0.0450		273.7938	273.7938	0.0125		274.1073

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0400e-003	0.0326	8.1600e-003	1.0000e-004	3.4800e-003	9.0000e-005	3.5700e-003	9.2000e-004	9.0000e-005	1.0100e-003		10.9577	10.9577	7.4000e-004		10.9762
Vendor	0.0143	0.4617	0.1201	1.2700e-003	0.0320	8.7000e-004	0.0329	9.2200e-003	8.3000e-004	0.0101		136.2429	136.2429	7.8200e-003		136.4384
Worker	0.0442	0.0293	0.4088	1.2100e-003	0.1230	9.6000e-004	0.1239	0.0326	8.9000e-004	0.0335		120.8584	120.8584	3.3400e-003		120.9418
Total	0.0595	0.5236	0.5370	2.5800e-003	0.1584	1.9200e-003	0.1604	0.0428	1.8100e-003	0.0446		268.0590	268.0590	0.0119		268.3564

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	0.1397	0.6052	7.7261	0.0114		0.0186	0.0186		0.0186	0.0186	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.1397	0.6052	7.7261	0.0114		0.0186	0.0186		0.0186	0.0186	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0400e-003	0.0326	8.1600e-003	1.0000e-004	3.4800e-003	9.0000e-005	3.5700e-003	9.2000e-004	9.0000e-005	1.0100e-003		10.9577	10.9577	7.4000e-004		10.9762
Vendor	0.0143	0.4617	0.1201	1.2700e-003	0.0320	8.7000e-004	0.0329	9.2200e-003	8.3000e-004	0.0101		136.2429	136.2429	7.8200e-003		136.4384
Worker	0.0442	0.0293	0.4088	1.2100e-003	0.1230	9.6000e-004	0.1239	0.0326	8.9000e-004	0.0335		120.8584	120.8584	3.3400e-003		120.9418
Total	0.0595	0.5236	0.5370	2.5800e-003	0.1584	1.9200e-003	0.1604	0.0428	1.8100e-003	0.0446		268.0590	268.0590	0.0119		268.3564

3.6 Paving - 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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

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	0.2882	1.5896	7.8281	0.0113		0.0579	0.0579		0.0579	0.0579	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2882	1.5896	7.8281	0.0113		0.0579	0.0579		0.0579	0.0579	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

3.7 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	19.4299					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	19.6345	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	8.0300e-003	5.3200e-003	0.0743	2.2000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		21.9743	21.9743	6.1000e-004		21.9894
Total	8.0300e-003	5.3200e-003	0.0743	2.2000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		21.9743	21.9743	6.1000e-004		21.9894

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	19.4299					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	19.4596	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

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	8.0300e-003	5.3200e-003	0.0743	2.2000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		21.9743	21.9743	6.1000e-004		21.9894
Total	8.0300e-003	5.3200e-003	0.0743	2.2000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		21.9743	21.9743	6.1000e-004		21.9894

La Cañada – Phase 1 Construction (Mitigated) - Los Angeles-South Coast County, Winter

La Cañada – Phase 1 Construction (Mitigated)
Los Angeles-South Coast County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.04	1000sqft	0.12	5,044.00	0
Other Non-Asphalt Surfaces	0.30	Acre	0.30	13,068.00	0
Recreational Swimming Pool	10.20	1000sqft	0.23	10,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - 10,200 square-foot swimming pool. Pool building area (equipment area, locker rooms, storage room, coach's office and restroom) represented as general office building (maximum building square footage used).

Construction Phase - Building Construction phase additionally accounts for pool deck, bleacher seating, floating bulkhead and light pole installation. Construction Schedule adjusted according to Applicant provided start and end dates.

Trips and VMT - 20 trailer trips for bleachers, 2 trailer trips for bulkhead and 8 trailer trips for light poles assumed.

Demolition - Two basketball courts totaling 17,000 square feet to demolished. Square footage converted to tons of debris.

Grading - As provided by the Applicant.

9,700 cubic yards of material to be imported

Vehicle Trips - The project will not generate any new operational trips.

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Tier IV Final Mitigation for construction equipment >50 HP.

Stationary Sources - Emergency Generators and Fire Pumps - 15 kW generator operating 12 hours per year as per information provided by the Applicant.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	1.00	65.00
tblConstructionPhase	NumDays	2.00	7.00
tblConstructionPhase	NumDays	100.00	229.00
tblGrading	MaterialExported	0.00	9,700.00
tblLandUse	LandUseSquareFeet	5,040.00	5,044.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	30.00
tblVehicleTrips	ST_TR	2.46	0.00

tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	33.82	0.00

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	0.8681	12.9039	8.1241	0.0246	0.9293	0.4497	1.2728	0.4434	0.4137	0.8329	0.0000	2,548.4320	2,548.4320	0.4174	0.0000	2,558.8671
2022	19.6434	7.5516	7.6673	0.0139	0.2012	0.3739	0.5323	0.0534	0.3440	0.3867	0.0000	1,360.9933	1,360.9933	0.3693	0.0000	1,370.2248
Maximum	19.6434	12.9039	8.1241	0.0246	0.9293	0.4497	1.2728	0.4434	0.4137	0.8329	0.0000	2,548.4320	2,548.4320	0.4174	0.0000	2,558.8671

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	0.3023	5.5996	8.4059	0.0246	0.5956	0.0319	0.6275	0.1910	0.0312	0.2095	0.0000	2,548.4320	2,548.4320	0.4174	0.0000	2,558.8671
2022	19.4686	1.6426	8.4387	0.0139	0.2012	0.0594	0.2606	0.0534	0.0593	0.1127	0.0000	1,360.9933	1,360.9933	0.3693	0.0000	1,370.2248
Maximum	19.4686	5.5996	8.4387	0.0246	0.5956	0.0594	0.6275	0.1910	0.0593	0.2095	0.0000	2,548.4320	2,548.4320	0.4174	0.0000	2,558.8671

	ROG	NOx	CO	SO2	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	3.61	64.59	-6.67	0.00	29.52	88.91	50.80	50.81	88.05	73.58	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	5/3/2021	5/14/2021	5	10	
2	Site Preparation	Site Preparation	5/15/2021	8/13/2021	5	65	Removal of utilities, hauling, reconnection
3	Grading	Grading	8/14/2021	8/24/2021	5	7	
4	Building Construction	Building Construction	8/25/2021	7/11/2022	5	229	
5	Paving	Paving	7/12/2022	7/18/2022	5	5	
6	Architectural Coating	Architectural Coating	7/19/2022	7/25/2022	5	5	

Acres of Grading (Site Preparation Phase): 32.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 15,132; Non-Residential Outdoor: 5,044; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	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	4	10.00	0.00	28.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	1,213.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	11.00	5.00	30.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved 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	lb/day										lb/day					
Fugitive Dust					0.6056	0.0000	0.6056	0.0917	0.0000	0.0917			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.6056	0.4073	1.0129	0.0917	0.3886	0.4803		1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0239	0.7603	0.1867	2.1500e-003	0.0490	2.3400e-003	0.0513	0.0134	2.2400e-003	0.0157		232.8993	232.8993	0.0167		233.3155
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	0.0716	0.7929	0.5550	3.2300e-003	0.1607	3.2400e-003	0.1640	0.0431	3.0700e-003	0.0461		340.1244	340.1244	0.0198		340.6195

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					0.2362	0.0000	0.2362	0.0358	0.0000	0.0358			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.1326	0.5747	7.8509	0.0120	0.2362	0.0177	0.2539	0.0358	0.0177	0.0534	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0239	0.7603	0.1867	2.1500e-003	0.0490	2.3400e-003	0.0513	0.0134	2.2400e-003	0.0157		232.8993	232.8993	0.0167		233.3155
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	0.0716	0.7929	0.5550	3.2300e-003	0.1607	3.2400e-003	0.1640	0.0431	3.0700e-003	0.0461		340.1244	340.1244	0.0198		340.6195

3.3 Site Preparation - 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					0.5471	0.0000	0.5471	0.0598	0.0000	0.0598			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755		942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.5471	0.2995	0.8466	0.0598	0.2755	0.3353		942.5842	942.5842	0.3049		950.2055

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	0.1593	5.0672	1.2446	0.0143	0.3263	0.0156	0.3419	0.0895	0.0149	0.1044		1,552.2352	1,552.2352	0.1110		1,555.0096
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	0.1832	5.0835	1.4287	0.0149	0.3822	0.0161	0.3982	0.1043	0.0153	0.1196		1,605.8478	1,605.8478	0.1126		1,608.6616

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					0.2134	0.0000	0.2134	0.0233	0.0000	0.0233			0.0000			0.0000
Off-Road	0.1191	0.5162	5.3170	9.7300e-003		0.0159	0.0159		0.0159	0.0159	0.0000	942.5842	942.5842	0.3049		950.2055
Total	0.1191	0.5162	5.3170	9.7300e-003	0.2134	0.0159	0.2293	0.0233	0.0159	0.0392	0.0000	942.5842	942.5842	0.3049		950.2055

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	0.1593	5.0672	1.2446	0.0143	0.3263	0.0156	0.3419	0.0895	0.0149	0.1044		1,552.2352	1,552.2352	0.1110		1,555.0096
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	0.1832	5.0835	1.4287	0.0149	0.3822	0.0161	0.3982	0.1043	0.0153	0.1196		1,605.8478	1,605.8478	0.1126		1,608.6616

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.7528	0.4073	1.1601	0.4138	0.3886	0.8024		1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0477	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	0.0477	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

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					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.1326	0.5747	7.8509	0.0120	0.2936	0.0177	0.3113	0.1614	0.0177	0.1791	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0477	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	0.0477	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

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1200e-003	0.0356	8.7400e-003	1.0000e-004	4.8200e-003	1.1000e-004	4.9300e-003	1.2500e-003	1.0000e-004	1.3500e-003		10.8967	10.8967	7.8000e-004		10.9162
Vendor	0.0160	0.4844	0.1404	1.2500e-003	0.0320	1.0200e-003	0.0330	9.2200e-003	9.8000e-004	0.0102		133.6728	133.6728	8.6300e-003		133.8885
Worker	0.0525	0.0359	0.4051	1.1800e-003	0.1230	9.9000e-004	0.1240	0.0326	9.2000e-004	0.0335		117.9476	117.9476	3.4700e-003		118.0344
Total	0.0695	0.5559	0.5542	2.5300e-003	0.1598	2.1200e-003	0.1619	0.0431	2.0000e-003	0.0451		262.5171	262.5171	0.0129		262.8391

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	0.1397	0.6052	7.7261	0.0114		0.0186	0.0186		0.0186	0.0186	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.1397	0.6052	7.7261	0.0114		0.0186	0.0186		0.0186	0.0186	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1200e-003	0.0356	8.7400e-003	1.0000e-004	4.8200e-003	1.1000e-004	4.9300e-003	1.2500e-003	1.0000e-004	1.3500e-003		10.8967	10.8967	7.8000e-004		10.9162
Vendor	0.0160	0.4844	0.1404	1.2500e-003	0.0320	1.0200e-003	0.0330	9.2200e-003	9.8000e-004	0.0102		133.6728	133.6728	8.6300e-003		133.8885
Worker	0.0525	0.0359	0.4051	1.1800e-003	0.1230	9.9000e-004	0.1240	0.0326	9.2000e-004	0.0335		117.9476	117.9476	3.4700e-003		118.0344
Total	0.0695	0.5559	0.5542	2.5300e-003	0.1598	2.1200e-003	0.1619	0.0431	2.0000e-003	0.0451		262.5171	262.5171	0.0129		262.8391

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0600e-003	0.0330	8.6300e-003	1.0000e-004	3.4800e-003	1.0000e-004	3.5700e-003	9.2000e-004	9.0000e-005	1.0100e-003		10.7662	10.7662	7.7000e-004		10.7853
Vendor	0.0150	0.4604	0.1329	1.2400e-003	0.0320	9.0000e-004	0.0329	9.2200e-003	8.6000e-004	0.0101		132.4851	132.4851	8.3300e-003		132.6933
Worker	0.0493	0.0324	0.3731	1.1400e-003	0.1230	9.6000e-004	0.1239	0.0326	8.9000e-004	0.0335		113.8026	113.8026	3.1300e-003		113.8810
Total	0.0653	0.5258	0.5146	2.4800e-003	0.1584	1.9600e-003	0.1604	0.0428	1.8400e-003	0.0446		257.0539	257.0539	0.0122		257.3596

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	0.1397	0.6052	7.7261	0.0114		0.0186	0.0186		0.0186	0.0186	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.1397	0.6052	7.7261	0.0114		0.0186	0.0186		0.0186	0.0186	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0600e-003	0.0330	8.6300e-003	1.0000e-004	3.4800e-003	1.0000e-004	3.5700e-003	9.2000e-004	9.0000e-005	1.0100e-003		10.7662	10.7662	7.7000e-004		10.7853
Vendor	0.0150	0.4604	0.1329	1.2400e-003	0.0320	9.0000e-004	0.0329	9.2200e-003	8.6000e-004	0.0101		132.4851	132.4851	8.3300e-003		132.6933
Worker	0.0493	0.0324	0.3731	1.1400e-003	0.1230	9.6000e-004	0.1239	0.0326	8.9000e-004	0.0335		113.8026	113.8026	3.1300e-003		113.8810
Total	0.0653	0.5258	0.5146	2.4800e-003	0.1584	1.9600e-003	0.1604	0.0428	1.8400e-003	0.0446		257.0539	257.0539	0.0122		257.3596

3.6 Paving - 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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

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	0.2882	1.5896	7.8281	0.0113		0.0579	0.0579		0.0579	0.0579	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2882	1.5896	7.8281	0.0113		0.0579	0.0579		0.0579	0.0579	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

3.7 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	19.4299					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	19.6345	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	8.9600e-003	5.8900e-003	0.0678	2.1000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		20.6914	20.6914	5.7000e-004		20.7056
Total	8.9600e-003	5.8900e-003	0.0678	2.1000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		20.6914	20.6914	5.7000e-004		20.7056

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	19.4299					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	19.4596	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

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	8.9600e-003	5.8900e-003	0.0678	2.1000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		20.6914	20.6914	5.7000e-004		20.7056
Total	8.9600e-003	5.8900e-003	0.0678	2.1000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.6000e-004	6.0900e-003		20.6914	20.6914	5.7000e-004		20.7056

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Annual

La Cañada – Phase 2 Construction (Mitigated)**Los Angeles-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	27.70	1000sqft	0.64	27,700.00	0
Other Asphalt Surfaces	10.20	1000sqft	0.23	10,200.00	0
Other Non-Asphalt Surfaces	11.00	1000sqft	0.00	11,000.00	0
Parking Lot	30.00	Space	0.27	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	532.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Annual

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - 27,700 sqft repaving, 10,200 sqft fire lane, 30 new parking spaces being built. 11,000 sqft of baseball field turf shifted to another location on site, thus zeroed acreage.

Construction Phase - Construction schedule adjusted to match Applicant provided schedule and Project Description. Building construction phase to account for constructing and relocating dugouts, batting cages and lighting pole footings.

Trips and VMT - 10 additional hauling trips to account for demolition of 2 existing light footings and 2 existing batting cages.

Demolition - Removing 5,500 sqft of existing parking lot to be demolished. Sqft converted to tons of debris.

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Tier IV Final Mitigation

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps - 15 kW generator operating 12 hours per year as per information provided by the Applicant.

Grading -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	2.00	8.00
tblConstructionPhase	NumDays	4.00	17.00
tblConstructionPhase	NumDays	200.00	17.00
tblConstructionPhase	NumDays	10.00	42.00
tblConstructionPhase	NumDays	10.00	42.00
tblLandUse	LotAcreage	0.25	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblTripsAndVMT	HaulingTripNumber	9.00	19.00

2.0 Emissions Summary

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Annual

2.1 Overall Construction**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0821	0.6594	0.6173	1.1400e-003	0.0761	0.0315	0.1076	0.0361	0.0295	0.0656	0.0000	99.4420	99.4420	0.0234	0.0000	100.0256
Maximum	0.0821	0.6594	0.6173	1.1400e-003	0.0761	0.0315	0.1076	0.0361	0.0295	0.0656	0.0000	99.4420	99.4420	0.0234	0.0000	100.0256

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0329	0.1045	0.6791	1.1400e-003	0.0359	3.4400e-003	0.0393	0.0158	3.4300e-003	0.0192	0.0000	99.4418	99.4418	0.0234	0.0000	100.0255
Maximum	0.0329	0.1045	0.6791	1.1400e-003	0.0359	3.4400e-003	0.0393	0.0158	3.4300e-003	0.0192	0.0000	99.4418	99.4418	0.0234	0.0000	100.0255

	ROG	NOx	CO	SO2	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	59.89	84.15	-10.01	0.00	52.88	89.07	63.47	56.42	88.37	70.78	0.00	0.00	0.00	0.00	0.00	0.00

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-3-2022	9-2-2022	0.3285	0.0947
2	9-3-2022	9-30-2022	0.0205	0.0060
		Highest	0.3285	0.0947

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	4.8800e-003	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.0900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0146	1.0146	6.0000e-005	1.0000e-005	1.0194
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
Stationary	2.1000e-004	1.0800e-003	1.0000e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0960	0.0960	1.0000e-005	0.0000	0.0963
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.0900e-003	1.0900e-003	2.0100e-003	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	1.2000e-004	1.2000e-004	0.0000	1.1125	1.1125	8.0000e-005	1.0000e-005	1.1178

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Annual

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.8800e-003	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.0900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0146	1.0146	6.0000e-005	1.0000e-005	1.0194
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
Stationary	2.1000e-004	1.0800e-003	1.0000e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0960	0.0960	1.0000e-005	0.0000	0.0963
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.0900e-003	1.0900e-003	2.0100e-003	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	1.2000e-004	1.2000e-004	0.0000	1.1125	1.1125	8.0000e-005	1.0000e-005	1.1178

	ROG	NOx	CO	SO2	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**

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2022	5/5/2022	5	25	
2	Site Preparation	Site Preparation	5/6/2022	5/17/2022	5	8	
3	Grading	Grading	5/18/2022	6/9/2022	5	17	
4	Building Construction	Building Construction	6/10/2022	7/4/2022	5	17	Includes relocation of light poles, dugouts, batting field and lighting.
5	Paving	Paving	7/5/2022	8/31/2022	5	42	
6	Architectural Coating	Architectural Coating	9/1/2022	10/28/2022	5	42	

Acres of Grading (Site Preparation Phase): 4

Acres of Grading (Grading Phase): 6.38

Acres of Paving: 1.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,654 (Architectural Coating – sqft)

OffRoad Equipment

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	19.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	26.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8000e-004	0.0000	9.8000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0211	0.2078	0.1745	3.0000e-004		0.0105	0.0105		9.7900e-003	9.7900e-003	0.0000	26.3471	26.3471	6.7100e-003	0.0000	26.5150
Total	0.0211	0.2078	0.1745	3.0000e-004	9.8000e-004	0.0105	0.0115	1.5000e-004	9.7900e-003	9.9400e-003	0.0000	26.3471	26.3471	6.7100e-003	0.0000	26.5150

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3.2 Demolition - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	2.4400e-003	6.1000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.7156	0.7156	5.0000e-005	0.0000	0.7168
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	4.9000e-004	5.6600e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.9000e-004	0.0000	1.5505	1.5505	4.0000e-005	0.0000	1.5516
Total	7.4000e-004	2.9300e-003	6.2700e-003	3.0000e-005	1.9400e-003	2.0000e-005	1.9600e-003	5.1000e-004	2.0000e-005	5.4000e-004	0.0000	2.2661	2.2661	9.0000e-005	0.0000	2.2684

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.8000e-004	0.0000	3.8000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5100e-003	0.0152	0.1840	3.0000e-004		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	26.3471	26.3471	6.7100e-003	0.0000	26.5149
Total	3.5100e-003	0.0152	0.1840	3.0000e-004	3.8000e-004	4.7000e-004	8.5000e-004	6.0000e-005	4.7000e-004	5.3000e-004	0.0000	26.3471	26.3471	6.7100e-003	0.0000	26.5149

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3.2 Demolition - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	2.4400e-003	6.1000e-004	1.0000e-005	1.6000e-004	1.0000e-005	1.7000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.7156	0.7156	5.0000e-005	0.0000	0.7168
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	4.9000e-004	5.6600e-003	2.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.9000e-004	0.0000	1.5505	1.5505	4.0000e-005	0.0000	1.5516
Total	7.4000e-004	2.9300e-003	6.2700e-003	3.0000e-005	1.9400e-003	2.0000e-005	1.9600e-003	5.1000e-004	2.0000e-005	5.4000e-004	0.0000	2.2661	2.2661	9.0000e-005	0.0000	2.2684

3.3 Site Preparation - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0232	0.0000	0.0232	0.0118	0.0000	0.0118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2500e-003	0.0585	0.0284	7.0000e-005		2.4900e-003	2.4900e-003		2.2900e-003	2.2900e-003	0.0000	6.0461	6.0461	1.9600e-003	0.0000	6.0950
Total	5.2500e-003	0.0585	0.0284	7.0000e-005	0.0232	2.4900e-003	0.0257	0.0118	2.2900e-003	0.0141	0.0000	6.0461	6.0461	1.9600e-003	0.0000	6.0950

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3.3 Site Preparation - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.0000e-004	1.1100e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3053	0.3053	1.0000e-005	0.0000	0.3055
Total	1.3000e-004	1.0000e-004	1.1100e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3053	0.3053	1.0000e-005	0.0000	0.3055

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					9.0500e-003	0.0000	9.0500e-003	4.6100e-003	0.0000	4.6100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.4000e-004	3.6500e-003	0.0347	7.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	6.0461	6.0461	1.9600e-003	0.0000	6.0950
Total	8.4000e-004	3.6500e-003	0.0347	7.0000e-005	9.0500e-003	1.1000e-004	9.1600e-003	4.6100e-003	1.1000e-004	4.7200e-003	0.0000	6.0461	6.0461	1.9600e-003	0.0000	6.0950

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3.3 Site Preparation - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.0000e-004	1.1100e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3053	0.3053	1.0000e-005	0.0000	0.3055
Total	1.3000e-004	1.0000e-004	1.1100e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3053	0.3053	1.0000e-005	0.0000	0.3055

3.4 Grading - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0418	0.0000	0.0418	0.0215	0.0000	0.0215	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2100e-003	0.1020	0.0505	1.2000e-004		4.4000e-003	4.4000e-003		4.0500e-003	4.0500e-003	0.0000	10.5242	10.5242	3.4000e-003	0.0000	10.6093
Total	9.2100e-003	0.1020	0.0505	1.2000e-004	0.0418	4.4000e-003	0.0462	0.0215	4.0500e-003	0.0255	0.0000	10.5242	10.5242	3.4000e-003	0.0000	10.6093

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3.4 Grading - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	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	2.7000e-004	2.1000e-004	2.3700e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6488	0.6488	2.0000e-005	0.0000	0.6493
Total	2.7000e-004	2.1000e-004	2.3700e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6488	0.6488	2.0000e-005	0.0000	0.6493

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0163	0.0000	0.0163	8.3700e-003	0.0000	8.3700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4700e-003	6.3500e-003	0.0608	1.2000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	10.5242	10.5242	3.4000e-003	0.0000	10.6093
Total	1.4700e-003	6.3500e-003	0.0608	1.2000e-004	0.0163	2.0000e-004	0.0165	8.3700e-003	2.0000e-004	8.5700e-003	0.0000	10.5242	10.5242	3.4000e-003	0.0000	10.6093

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3.4 Grading - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	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	2.7000e-004	2.1000e-004	2.3700e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6488	0.6488	2.0000e-005	0.0000	0.6493
Total	2.7000e-004	2.1000e-004	2.3700e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.6488	0.6488	2.0000e-005	0.0000	0.6493

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0140	0.1063	0.1082	1.9000e-004		5.0100e-003	5.0100e-003		4.8400e-003	4.8400e-003	0.0000	15.4340	15.4340	2.6900e-003	0.0000	15.5012
Total	0.0140	0.1063	0.1082	1.9000e-004		5.0100e-003	5.0100e-003		4.8400e-003	4.8400e-003	0.0000	15.4340	15.4340	2.6900e-003	0.0000	15.5012

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3.5 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	2.5000e-004	7.9700e-003	2.1500e-003	2.0000e-005	5.4000e-004	1.0000e-005	5.5000e-004	1.5000e-004	1.0000e-005	1.7000e-004	0.0000	2.0768	2.0768	1.2000e-004	0.0000	2.0799
Worker	8.9000e-004	6.7000e-004	7.7000e-003	2.0000e-005	2.4200e-003	2.0000e-005	2.4400e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.1087	2.1087	6.0000e-005	0.0000	2.1101
Total	1.1400e-003	8.6400e-003	9.8500e-003	4.0000e-005	2.9600e-003	3.0000e-005	2.9900e-003	7.9000e-004	3.0000e-005	8.3000e-004	0.0000	4.1855	4.1855	1.8000e-004	0.0000	4.1901

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	8.4300e-003	0.0433	0.1166	1.9000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003	0.0000	15.4340	15.4340	2.6900e-003	0.0000	15.5012
Total	8.4300e-003	0.0433	0.1166	1.9000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003	0.0000	15.4340	15.4340	2.6900e-003	0.0000	15.5012

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3.5 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	2.5000e-004	7.9700e-003	2.1500e-003	2.0000e-005	5.4000e-004	1.0000e-005	5.5000e-004	1.5000e-004	1.0000e-005	1.7000e-004	0.0000	2.0768	2.0768	1.2000e-004	0.0000	2.0799
Worker	8.9000e-004	6.7000e-004	7.7000e-003	2.0000e-005	2.4200e-003	2.0000e-005	2.4400e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.1087	2.1087	6.0000e-005	0.0000	2.1101
Total	1.1400e-003	8.6400e-003	9.8500e-003	4.0000e-005	2.9600e-003	3.0000e-005	2.9900e-003	7.9000e-004	3.0000e-005	8.3000e-004	0.0000	4.1855	4.1855	1.8000e-004	0.0000	4.1901

3.6 Paving - 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	0.0144	0.1423	0.1849	2.8000e-004		7.3000e-003	7.3000e-003		6.7300e-003	6.7300e-003	0.0000	24.7162	24.7162	7.8400e-003	0.0000	24.9121
Paving	1.4900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0159	0.1423	0.1849	2.8000e-004		7.3000e-003	7.3000e-003		6.7300e-003	6.7300e-003	0.0000	24.7162	24.7162	7.8400e-003	0.0000	24.9121

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3.6 Paving - 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	1.1000e-003	8.3000e-004	9.5100e-003	3.0000e-005	2.9900e-003	2.0000e-005	3.0200e-003	7.9000e-004	2.0000e-005	8.2000e-004	0.0000	2.6048	2.6048	7.0000e-005	0.0000	2.6066
Total	1.1000e-003	8.3000e-004	9.5100e-003	3.0000e-005	2.9900e-003	2.0000e-005	3.0200e-003	7.9000e-004	2.0000e-005	8.2000e-004	0.0000	2.6048	2.6048	7.0000e-005	0.0000	2.6066

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2800e-003	0.0203	0.2117	2.8000e-004		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	24.7162	24.7162	7.8400e-003	0.0000	24.9121
Paving	1.4900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.7700e-003	0.0203	0.2117	2.8000e-004		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	24.7162	24.7162	7.8400e-003	0.0000	24.9121

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3.6 Paving - 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	1.1000e-003	8.3000e-004	9.5100e-003	3.0000e-005	2.9900e-003	2.0000e-005	3.0200e-003	7.9000e-004	2.0000e-005	8.2000e-004	0.0000	2.6048	2.6048	7.0000e-005	0.0000	2.6066
Total	1.1000e-003	8.3000e-004	9.5100e-003	3.0000e-005	2.9900e-003	2.0000e-005	3.0200e-003	7.9000e-004	2.0000e-005	8.2000e-004	0.0000	2.6048	2.6048	7.0000e-005	0.0000	2.6066

3.7 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	8.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3000e-003	0.0296	0.0381	6.0000e-005		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	5.3618	5.3618	3.5000e-004	0.0000	5.3706
Total	0.0128	0.0296	0.0381	6.0000e-005		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	5.3618	5.3618	3.5000e-004	0.0000	5.3706

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3.7 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	4.2000e-004	3.2000e-004	3.6600e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	1.0019	1.0019	3.0000e-005	0.0000	1.0026
Total	4.2000e-004	3.2000e-004	3.6600e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	1.0019	1.0019	3.0000e-005	0.0000	1.0026

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	8.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2000e-004	2.7000e-003	0.0385	6.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	5.3618	5.3618	3.5000e-004	0.0000	5.3706
Total	9.0900e-003	2.7000e-003	0.0385	6.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	5.3618	5.3618	3.5000e-004	0.0000	5.3706

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3.7 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	4.2000e-004	3.2000e-004	3.6600e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	1.0019	1.0019	3.0000e-005	0.0000	1.0026
Total	4.2000e-004	3.2000e-004	3.6600e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	1.0019	1.0019	3.0000e-005	0.0000	1.0026

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
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

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	1.0146	1.0146	6.0000e-005	1.0000e-005	1.0194
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1.0146	1.0146	6.0000e-005	1.0000e-005	1.0194
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Annual

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					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4200	1.0146	6.0000e-005	1.0000e-005	1.0194
Total		1.0146	6.0000e-005	1.0000e-005	1.0194

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4200	1.0146	6.0000e-005	1.0000e-005	1.0194
Total		1.0146	6.0000e-005	1.0000e-005	1.0194

6.0 Area Detail

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Annual

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	4.8800e-003	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.0900e-003
Unmitigated	4.8800e-003	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.0900e-003

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	8.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.0900e-003
Total	4.8800e-003	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.0900e-003

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Annual

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	8.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.0900e-003
Total	4.8800e-003	1.0000e-005	1.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9600e-003	1.9600e-003	1.0000e-005	0.0000	2.0900e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Annual

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

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail**8.1 Mitigation Measures Waste**

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Annual

Category/Year

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

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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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
Emergency Generator	1	0	12	21	0.73	Diesel

Boilers

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

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Equipment Type	Number
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10.1 Stationary Sources**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (11 - 25 HP)	2.1000e-004	1.0800e-003	1.0000e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0960	0.0960	1.0000e-005	0.0000	0.0963
Total	2.1000e-004	1.0800e-003	1.0000e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.0960	0.0960	1.0000e-005	0.0000	0.0963

11.0 Vegetation

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

La Cañada – Phase 2 Construction (Mitigated)
Los Angeles-South Coast County, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	27.70	1000sqft	0.64	27,700.00	0
Other Asphalt Surfaces	10.20	1000sqft	0.23	10,200.00	0
Other Non-Asphalt Surfaces	11.00	1000sqft	0.00	11,000.00	0
Parking Lot	30.00	Space	0.27	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - 27,700 sqft repaving, 10,200 sqft fire lane, 30 new parking spaces being built. 11,000 sqft of baseball field turf shifted to another location on site, thus zeroed acreage.

Construction Phase - Construction schedule adjusted to match Applicant provided schedule and Project Description. Building construction phase to account for constructing and relocating dugouts, batting cages and lighting pole footings.

Trips and VMT - 10 additional hauling trips to account for demolition of 2 existing light footings and 2 existing batting cages.

Demolition - Removing 5,500 sqft of existing parking lot to be demolished. Sqft converted to tons of debris.

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Tier IV Final Mitigation

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps - 15 kW generator operating 12 hours per year as per information provided by the Applicant.

Grading -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	2.00	8.00
tblConstructionPhase	NumDays	4.00	17.00
tblConstructionPhase	NumDays	200.00	17.00
tblConstructionPhase	NumDays	10.00	42.00
tblConstructionPhase	NumDays	10.00	42.00
tblLandUse	LotAcreage	0.25	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblTripsAndVMT	HaulingTripNumber	9.00	19.00

2.0 Emissions Summary

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.7816	16.8457	14.4909	0.0275	5.8890	0.8396	6.5122	2.9774	0.7845	3.5508	0.0000	2,559.693 9	2,559.693 9	0.6003	0.0000	2,568.997 2
Maximum	1.7816	16.8457	14.4909	0.0275	5.8890	0.8396	6.5122	2.9774	0.7845	3.5508	0.0000	2,559.693 9	2,559.693 9	0.6003	0.0000	2,568.997 2

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					
2022	1.1247	6.0813	15.2488	0.0275	2.3513	0.2172	2.3800	1.1757	0.2170	1.2044	0.0000	2,559.693 9	2,559.693 9	0.6003	0.0000	2,568.997 2
Maximum	1.1247	6.0813	15.2488	0.0275	2.3513	0.2172	2.3800	1.1757	0.2170	1.2044	0.0000	2,559.693 9	2,559.693 9	0.6003	0.0000	2,568.997 2

	ROG	NOx	CO	SO2	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	36.87	63.90	-5.23	0.00	60.07	74.13	63.45	60.51	72.34	66.08	0.00	0.00	0.00	0.00	0.00	0.00

La Cañada – Phase 2 Construction (Mitigated) - 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	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	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	0.0270	7.0000e-005	8.0700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005	0.0000	0.0184

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	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	0.0270	7.0000e-005	8.0700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005	0.0000	0.0184

	ROG	NOx	CO	SO2	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**

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2022	5/5/2022	5	25	
2	Site Preparation	Site Preparation	5/6/2022	5/17/2022	5	8	
3	Grading	Grading	5/18/2022	6/9/2022	5	17	
4	Building Construction	Building Construction	6/10/2022	7/4/2022	5	17	Includes relocation of light poles, dugouts, batting field and lighting.
5	Paving	Paving	7/5/2022	8/31/2022	5	42	
6	Architectural Coating	Architectural Coating	9/1/2022	10/28/2022	5	42	

Acres of Grading (Site Preparation Phase): 4

Acres of Grading (Grading Phase): 6.38

Acres of Paving: 1.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,654 (Architectural Coating – sqft)

OffRoad Equipment

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	19.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	26.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0788	0.0000	0.0788	0.0119	0.0000	0.0119			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	0.0788	0.8379	0.9167	0.0119	0.7829	0.7948		2,323.4168	2,323.4168	0.5921		2,338.2191

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

3.2 Demolition - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.0300e-003	0.1894	0.0473	5.9000e-004	0.0133	5.4000e-004	0.0138	3.6400e-003	5.2000e-004	4.1600e-003		63.5691	63.5691	4.3000e-003		63.6766
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	0.0522	0.0346	0.4831	1.4300e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		142.8326	142.8326	3.9400e-003		142.9312
Total	0.0582	0.2240	0.5304	2.0200e-003	0.1586	1.6800e-003	0.1603	0.0422	1.5700e-003	0.0437		206.4017	206.4017	8.2400e-003		206.6077

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					0.0307	0.0000	0.0307	4.6500e-003	0.0000	4.6500e-003			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	0.2811	1.2179	14.7184	0.0241	0.0307	0.0375	0.0682	4.6500e-003	0.0375	0.0421	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

3.2 Demolition - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.0300e-003	0.1894	0.0473	5.9000e-004	0.0133	5.4000e-004	0.0138	3.6400e-003	5.2000e-004	4.1600e-003		63.5691	63.5691	4.3000e-003		63.6766
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	0.0522	0.0346	0.4831	1.4300e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		142.8326	142.8326	3.9400e-003		142.9312
Total	0.0582	0.2240	0.5304	2.0200e-003	0.1586	1.6800e-003	0.1603	0.0422	1.5700e-003	0.0437		206.4017	206.4017	8.2400e-003		206.6077

3.3 Site Preparation - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.3122	14.6277	7.0939	0.0172		0.6225	0.6225		0.5727	0.5727		1,666.1738	1,666.1738	0.5389		1,679.6457
Total	1.3122	14.6277	7.0939	0.0172	5.7996	0.6225	6.4221	2.9537	0.5727	3.5264		1,666.1738	1,666.1738	0.5389		1,679.6457

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

3.3 Site Preparation - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0321	0.0213	0.2973	8.8000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		87.8970	87.8970	2.4300e-003		87.9576
Total	0.0321	0.0213	0.2973	8.8000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		87.8970	87.8970	2.4300e-003		87.9576

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					2.2618	0.0000	2.2618	1.1519	0.0000	1.1519			0.0000			0.0000
Off-Road	0.2106	0.9126	8.6714	0.0172		0.0281	0.0281		0.0281	0.0281	0.0000	1,666.1738	1,666.1738	0.5389		1,679.6457
Total	0.2106	0.9126	8.6714	0.0172	2.2618	0.0281	2.2899	1.1519	0.0281	1.1800	0.0000	1,666.1738	1,666.1738	0.5389		1,679.6457

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

3.3 Site Preparation - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0321	0.0213	0.2973	8.8000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		87.8970	87.8970	2.4300e-003		87.9576
Total	0.0321	0.0213	0.2973	8.8000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		87.8970	87.8970	2.4300e-003		87.9576

3.4 Grading - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9146	0.0000	4.9146	2.5257	0.0000	2.5257			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759		1,364.8198	1,364.8198	0.4414		1,375.8551
Total	1.0832	12.0046	5.9360	0.0141	4.9146	0.5173	5.4318	2.5257	0.4759	3.0016		1,364.8198	1,364.8198	0.4414		1,375.8551

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

3.4 Grading - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.0321	0.0213	0.2973	8.8000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		87.8970	87.8970	2.4300e-003		87.9576
Total	0.0321	0.0213	0.2973	8.8000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		87.8970	87.8970	2.4300e-003		87.9576

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9167	0.0000	1.9167	0.9850	0.0000	0.9850			0.0000			0.0000
Off-Road	0.1725	0.7475	7.1557	0.0141		0.0230	0.0230		0.0230	0.0230	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551
Total	0.1725	0.7475	7.1557	0.0141	1.9167	0.0230	1.9397	0.9850	0.0230	1.0080	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

3.4 Grading - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.0321	0.0213	0.2973	8.8000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		87.8970	87.8970	2.4300e-003		87.9576
Total	0.0321	0.0213	0.2973	8.8000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		87.8970	87.8970	2.4300e-003		87.9576

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0285	0.9233	0.2402	2.5500e-003	0.0640	1.7400e-003	0.0658	0.0184	1.6600e-003	0.0201		272.4859	272.4859	0.0156		272.8768
Worker	0.1044	0.0692	0.9662	2.8700e-003	0.2906	2.2700e-003	0.2929	0.0771	2.1000e-003	0.0792		285.6652	285.6652	7.8800e-003		285.8623
Total	0.1329	0.9925	1.2063	5.4200e-003	0.3546	4.0100e-003	0.3587	0.0955	3.7600e-003	0.0993		558.1511	558.1511	0.0235		558.7391

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	0.9918	5.0888	13.7210	0.0221		0.2132	0.2132		0.2132	0.2132	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	0.9918	5.0888	13.7210	0.0221		0.2132	0.2132		0.2132	0.2132	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0285	0.9233	0.2402	2.5500e-003	0.0640	1.7400e-003	0.0658	0.0184	1.6600e-003	0.0201		272.4859	272.4859	0.0156		272.8768
Worker	0.1044	0.0692	0.9662	2.8700e-003	0.2906	2.2700e-003	0.2929	0.0771	2.1000e-003	0.0792		285.6652	285.6652	7.8800e-003		285.8623
Total	0.1329	0.9925	1.2063	5.4200e-003	0.3546	4.0100e-003	0.3587	0.0955	3.7600e-003	0.0993		558.1511	558.1511	0.0235		558.7391

3.6 Paving - 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	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7588	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

3.6 Paving - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0522	0.0346	0.4831	1.4300e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		142.8326	142.8326	3.9400e-003		142.9312
Total	0.0522	0.0346	0.4831	1.4300e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		142.8326	142.8326	3.9400e-003		142.9312

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	0.2038	0.9684	10.0825	0.0135		0.0320	0.0320		0.0320	0.0320	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2749	0.9684	10.0825	0.0135		0.0320	0.0320		0.0320	0.0320	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

3.6 Paving - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0522	0.0346	0.4831	1.4300e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		142.8326	142.8326	3.9400e-003		142.9312
Total	0.0522	0.0346	0.4831	1.4300e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		142.8326	142.8326	3.9400e-003		142.9312

3.7 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	0.4033					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	0.6078	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

3.7 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	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	0.0201	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	0.0201	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

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	0.4033					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	0.4330	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

3.7 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	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	0.0201	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	0.0201	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

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

La Cañada – Phase 2 Construction (Mitigated) - 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	0.0000	0.0000	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
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

La Cañada – Phase 2 Construction (Mitigated) - 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					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

La Cañada Unified School District—New Outdoor Pool Facility and South of Campus Improvement
Project CalEEMod Output Files

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

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	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Unmitigated	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184

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	4.6400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.5000e-004	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Total	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184

La Cañada – Phase 2 Construction (Mitigated) - 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	4.6400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.5000e-004	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Total	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	12	21	0.73	Diesel

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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10.1 Stationary Sources**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (11 - 25 HP)	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

11.0 Vegetation

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

La Cañada – Phase 2 Construction (Mitigated)**Los Angeles-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	27.70	1000sqft	0.64	27,700.00	0
Other Asphalt Surfaces	10.20	1000sqft	0.23	10,200.00	0
Other Non-Asphalt Surfaces	11.00	1000sqft	0.00	11,000.00	0
Parking Lot	30.00	Space	0.27	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - 27,700 sqft repaving, 10,200 sqft fire lane, 30 new parking spaces being built. 11,000 sqft of baseball field turf shifted to another location on site, thus zeroed acreage.

Construction Phase - Construction schedule adjusted to match Applicant provided schedule and Project Description. Building construction phase to account for constructing and relocating dugouts, batting cages and lighting pole footings.

Trips and VMT - 10 additional hauling trips to account for demolition of 2 existing light footings and 2 existing batting cages.

Demolition - Removing 5,500 sqft of existing parking lot to be demolished. Sqft converted to tons of debris.

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Tier IV Final Mitigation

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps - 15 kW generator operating 12 hours per year as per information provided by the Applicant.

Grading -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	2.00	8.00
tblConstructionPhase	NumDays	4.00	17.00
tblConstructionPhase	NumDays	200.00	17.00
tblConstructionPhase	NumDays	10.00	42.00
tblConstructionPhase	NumDays	10.00	42.00
tblLandUse	LotAcreage	0.25	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblTripsAndVMT	HaulingTripNumber	9.00	19.00

2.0 Emissions Summary

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.7951	16.8516	14.4515	0.0272	5.8890	0.8396	6.5122	2.9774	0.7845	3.5508	0.0000	2,535.501 2	2,535.501 2	0.6002	0.0000	2,544.817 9
Maximum	1.7951	16.8516	14.4515	0.0272	5.8890	0.8396	6.5122	2.9774	0.7845	3.5508	0.0000	2,535.501 2	2,535.501 2	0.6002	0.0000	2,544.817 9

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					
2022	1.1382	6.0862	15.2094	0.0272	2.3513	0.2173	2.3800	1.1757	0.2170	1.2044	0.0000	2,535.501 2	2,535.501 2	0.6002	0.0000	2,544.817 9
Maximum	1.1382	6.0862	15.2094	0.0272	2.3513	0.2173	2.3800	1.1757	0.2170	1.2044	0.0000	2,535.501 2	2,535.501 2	0.6002	0.0000	2,544.817 9

	ROG	NOx	CO	SO2	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	36.59	63.88	-5.24	0.00	60.07	74.12	63.45	60.51	72.34	66.08	0.00	0.00	0.00	0.00	0.00	0.00

La Cañada – Phase 2 Construction (Mitigated) - 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	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	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	0.0270	7.0000e-005	8.0700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005	0.0000	0.0184

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	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	0.0270	7.0000e-005	8.0700e-003	0.0000	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005	0.0000	0.0184

	ROG	NOx	CO	SO2	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**

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2022	5/5/2022	5	25	
2	Site Preparation	Site Preparation	5/6/2022	5/17/2022	5	8	
3	Grading	Grading	5/18/2022	6/9/2022	5	17	
4	Building Construction	Building Construction	6/10/2022	7/4/2022	5	17	Includes relocation of light poles, dugouts, batting field and lighting.
5	Paving	Paving	7/5/2022	8/31/2022	5	42	
6	Architectural Coating	Architectural Coating	9/1/2022	10/28/2022	5	42	

Acres of Grading (Site Preparation Phase): 4

Acres of Grading (Grading Phase): 6.38

Acres of Paving: 1.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,654 (Architectural Coating – sqft)

OffRoad Equipment

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	19.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	26.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0788	0.0000	0.0788	0.0119	0.0000	0.0119			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	0.0788	0.8379	0.9167	0.0119	0.7829	0.7948		2,323.4168	2,323.4168	0.5921		2,338.2191

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

3.2 Demolition - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.1800e-003	0.1915	0.0501	5.7000e-004	0.0133	5.5000e-004	0.0138	3.6400e-003	5.3000e-004	4.1700e-003		62.4581	62.4581	4.4500e-003		62.5692
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	0.0582	0.0383	0.4409	1.3500e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		134.4940	134.4940	3.7000e-003		134.5866
Total	0.0644	0.2298	0.4910	1.9200e-003	0.1586	1.6900e-003	0.1603	0.0422	1.5800e-003	0.0438		196.9521	196.9521	8.1500e-003		197.1559

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					0.0307	0.0000	0.0307	4.6500e-003	0.0000	4.6500e-003			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	0.2811	1.2179	14.7184	0.0241	0.0307	0.0375	0.0682	4.6500e-003	0.0375	0.0421	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

3.2 Demolition - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.1800e-003	0.1915	0.0501	5.7000e-004	0.0133	5.5000e-004	0.0138	3.6400e-003	5.3000e-004	4.1700e-003		62.4581	62.4581	4.4500e-003		62.5692
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	0.0582	0.0383	0.4409	1.3500e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		134.4940	134.4940	3.7000e-003		134.5866
Total	0.0644	0.2298	0.4910	1.9200e-003	0.1586	1.6900e-003	0.1603	0.0422	1.5800e-003	0.0438		196.9521	196.9521	8.1500e-003		197.1559

3.3 Site Preparation - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.3122	14.6277	7.0939	0.0172		0.6225	0.6225		0.5727	0.5727		1,666.1738	1,666.1738	0.5389		1,679.6457
Total	1.3122	14.6277	7.0939	0.0172	5.7996	0.6225	6.4221	2.9537	0.5727	3.5264		1,666.1738	1,666.1738	0.5389		1,679.6457

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

3.3 Site Preparation - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0358	0.0236	0.2713	8.3000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		82.7656	82.7656	2.2800e-003		82.8225
Total	0.0358	0.0236	0.2713	8.3000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		82.7656	82.7656	2.2800e-003		82.8225

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					2.2618	0.0000	2.2618	1.1519	0.0000	1.1519			0.0000			0.0000
Off-Road	0.2106	0.9126	8.6714	0.0172		0.0281	0.0281		0.0281	0.0281	0.0000	1,666.1738	1,666.1738	0.5389		1,679.6457
Total	0.2106	0.9126	8.6714	0.0172	2.2618	0.0281	2.2899	1.1519	0.0281	1.1800	0.0000	1,666.1738	1,666.1738	0.5389		1,679.6457

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

3.3 Site Preparation - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0358	0.0236	0.2713	8.3000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		82.7656	82.7656	2.2800e-003		82.8225
Total	0.0358	0.0236	0.2713	8.3000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		82.7656	82.7656	2.2800e-003		82.8225

3.4 Grading - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9146	0.0000	4.9146	2.5257	0.0000	2.5257			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759		1,364.8198	1,364.8198	0.4414		1,375.8551
Total	1.0832	12.0046	5.9360	0.0141	4.9146	0.5173	5.4318	2.5257	0.4759	3.0016		1,364.8198	1,364.8198	0.4414		1,375.8551

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

3.4 Grading - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.0358	0.0236	0.2713	8.3000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		82.7656	82.7656	2.2800e-003		82.8225
Total	0.0358	0.0236	0.2713	8.3000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		82.7656	82.7656	2.2800e-003		82.8225

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9167	0.0000	1.9167	0.9850	0.0000	0.9850			0.0000			0.0000
Off-Road	0.1725	0.7475	7.1557	0.0141		0.0230	0.0230		0.0230	0.0230	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551
Total	0.1725	0.7475	7.1557	0.0141	1.9167	0.0230	1.9397	0.9850	0.0230	1.0080	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

3.4 Grading - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.0358	0.0236	0.2713	8.3000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		82.7656	82.7656	2.2800e-003		82.8225
Total	0.0358	0.0236	0.2713	8.3000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		82.7656	82.7656	2.2800e-003		82.8225

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0300	0.9208	0.2658	2.4800e-003	0.0640	1.7900e-003	0.0658	0.0184	1.7100e-003	0.0202		264.9703	264.9703	0.0167		265.3866
Worker	0.1164	0.0766	0.8819	2.7000e-003	0.2906	2.2700e-003	0.2929	0.0771	2.1000e-003	0.0792		268.9881	268.9881	7.4100e-003		269.1732
Total	0.1464	0.9974	1.1476	5.1800e-003	0.3546	4.0600e-003	0.3587	0.0955	3.8100e-003	0.0993		533.9583	533.9583	0.0241		534.5598

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	0.9918	5.0888	13.7210	0.0221		0.2132	0.2132		0.2132	0.2132	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	0.9918	5.0888	13.7210	0.0221		0.2132	0.2132		0.2132	0.2132	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0300	0.9208	0.2658	2.4800e-003	0.0640	1.7900e-003	0.0658	0.0184	1.7100e-003	0.0202		264.9703	264.9703	0.0167		265.3866
Worker	0.1164	0.0766	0.8819	2.7000e-003	0.2906	2.2700e-003	0.2929	0.0771	2.1000e-003	0.0792		268.9881	268.9881	7.4100e-003		269.1732
Total	0.1464	0.9974	1.1476	5.1800e-003	0.3546	4.0600e-003	0.3587	0.0955	3.8100e-003	0.0993		533.9583	533.9583	0.0241		534.5598

3.6 Paving - 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	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7588	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

3.6 Paving - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0383	0.4409	1.3500e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		134.4940	134.4940	3.7000e-003		134.5866
Total	0.0582	0.0383	0.4409	1.3500e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		134.4940	134.4940	3.7000e-003		134.5866

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	0.2038	0.9684	10.0825	0.0135		0.0320	0.0320		0.0320	0.0320	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2749	0.9684	10.0825	0.0135		0.0320	0.0320		0.0320	0.0320	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

3.6 Paving - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0383	0.4409	1.3500e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		134.4940	134.4940	3.7000e-003		134.5866
Total	0.0582	0.0383	0.4409	1.3500e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		134.4940	134.4940	3.7000e-003		134.5866

3.7 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	0.4033					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	0.6078	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

3.7 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	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	0.0224	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	0.0224	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

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	0.4033					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	0.4330	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

3.7 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	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	0.0224	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	0.0224	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

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

La Cañada – Phase 2 Construction (Mitigated) - 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	0.0000	0.0000	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
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Non-Asphalt Surfaces	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

La Cañada – Phase 2 Construction (Mitigated) - 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					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

La Cañada Unified School District—New Outdoor Pool Facility and South of Campus Improvement
 Project CalEEMod Output Files

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

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	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Unmitigated	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184

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	4.6400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.5000e-004	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Total	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184

La Cañada – Phase 2 Construction (Mitigated) - 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	4.6400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0216					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.5000e-004	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184
Total	0.0270	7.0000e-005	8.0700e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0173	0.0173	5.0000e-005		0.0184

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

La Cañada – Phase 2 Construction (Mitigated) - Los Angeles-South Coast County, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	12	21	0.73	Diesel

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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10.1 Stationary Sources**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (11 - 25 HP)	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

11.0 Vegetation

La Canada Phase 3 Mitigated Construction - Los Angeles-South Coast County, Annual

La Canada Phase 3 Mitigated 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
Other Asphalt Surfaces	7.70	1000sqft	0.18	7,700.00	0
Other Non-Asphalt Surfaces	12.00	1000sqft	0.28	12,000.00	0
Parking Lot	11.65	1000sqft	0.27	11,650.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2022		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - 11,650 sqft parking lot to account for basketball courts, associated lighting and seating. 12,000 sqft to account for surrounding hardscaping. 7,700 sqft to account for fire lane. As provided by the Applicant.

Construction Phase - Construction schedule adjusted to match Applicant provided schedule.

Off-road Equipment - Concrete Mortar Mixer added for seating area construction and miscellaneous pours which may require mortar for north gymnasium reconfigurations.

Trips and VMT - Additional Worker and Vendor trips to account for North Gymnasium reconfigurations.

Demolition - 4800 sqft of existing pool, 750 sqft of existing pool building and 6400 sqft of existing pool deck to be demolished. As provided by the Applicant. SQFT converted to Tons of Debris.

Grading - As provided by the Applicant.

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Tier IV Final Mitigation

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	100.00	88.00
tblGrading	MaterialImported	0.00	2,500.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblTripsAndVMT	HaulingTripNumber	313.00	312.00
tblTripsAndVMT	VendorTripNumber	5.00	11.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	13.00	23.00
tblTripsAndVMT	WorkerTripNumber	3.00	5.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0519	0.4828	0.4609	1.0300e-003	0.0264	0.0204	0.0468	6.5200e-003	0.0189	0.0255	0.0000	92.5412	92.5412	0.0185	0.0000	93.0027
Maximum	0.0519	0.4828	0.4609	1.0300e-003	0.0264	0.0204	0.0468	6.5200e-003	0.0189	0.0255	0.0000	92.5412	92.5412	0.0185	0.0000	93.0027

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0228	0.1480	0.4912	1.0300e-003	0.0217	2.0400e-003	0.0238	5.6300e-003	2.0200e-003	7.6500e-003	0.0000	92.5411	92.5411	0.0185	0.0000	93.0027
Maximum	0.0228	0.1480	0.4912	1.0300e-003	0.0217	2.0400e-003	0.0238	5.6300e-003	2.0200e-003	7.6500e-003	0.0000	92.5411	92.5411	0.0185	0.0000	93.0027

	ROG	NOx	CO	SO2	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	56.02	69.34	-6.56	0.00	17.86	90.00	49.30	13.65	89.33	69.95	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	5-2-2022	8-1-2022	0.3296	0.1035
2	8-2-2022	9-30-2022	0.1859	0.0501
		Highest	0.3296	0.1035

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	5/2/2022	5/13/2022	5	10	
2	Site Preparation	Site Preparation	5/14/2022	5/16/2022	5	1	
3	Grading	Grading	5/17/2022	5/18/2022	5	2	
4	Building Construction	Building Construction	5/19/2022	9/19/2022	5	88	Includes seating construction and north gymnasium
5	Paving	Paving	9/20/2022	9/26/2022	5	5	
6	Architectural Coating	Architectural Coating	9/27/2022	10/3/2022	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.73

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,881

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	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	4	10.00	0.00	61.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	312.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	23.00	11.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.5800e-003	0.0000	6.5800e-003	1.0000e-003	0.0000	1.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5500e-003	0.0321	0.0374	6.0000e-005		1.6900e-003	1.6900e-003		1.6100e-003	1.6100e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308
Total	3.5500e-003	0.0321	0.0374	6.0000e-005	6.5800e-003	1.6900e-003	8.2700e-003	1.0000e-003	1.6100e-003	2.6100e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308

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	2.4000e-004	7.8400e-003	1.9500e-003	2.0000e-005	5.2000e-004	2.0000e-005	5.5000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	2.2974	2.2974	1.6000e-004	0.0000	2.3013
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	4.4000e-004	7.9900e-003	3.6900e-003	3.0000e-005	1.0700e-003	2.0000e-005	1.1000e-003	2.9000e-004	2.0000e-005	3.1000e-004	0.0000	2.7744	2.7744	1.7000e-004	0.0000	2.7787

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					2.5700e-003	0.0000	2.5700e-003	3.9000e-004	0.0000	3.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6000e-004	2.8700e-003	0.0393	6.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308
Total	6.6000e-004	2.8700e-003	0.0393	6.0000e-005	2.5700e-003	9.0000e-005	2.6600e-003	3.9000e-004	9.0000e-005	4.8000e-004	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308

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	2.4000e-004	7.8400e-003	1.9500e-003	2.0000e-005	5.2000e-004	2.0000e-005	5.5000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	2.2974	2.2974	1.6000e-004	0.0000	2.3013
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	4.4000e-004	7.9900e-003	3.6900e-003	3.0000e-005	1.0700e-003	2.0000e-005	1.1000e-003	2.9000e-004	2.0000e-005	3.1000e-004	0.0000	2.7744	2.7744	1.7000e-004	0.0000	2.7787

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	3.4700e-003	1.9800e-003	0.0000		1.3000e-004	1.3000e-004		1.2000e-004	1.2000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310
Total	2.9000e-004	3.4700e-003	1.9800e-003	0.0000	2.7000e-004	1.3000e-004	4.0000e-004	3.0000e-005	1.2000e-004	1.5000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0239	0.0239	0.0000	0.0000	0.0239
Total	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0239	0.0239	0.0000	0.0000	0.0239

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	2.6000e-004	2.6600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310
Total	6.0000e-005	2.6000e-004	2.6600e-003	0.0000	1.0000e-004	1.0000e-005	1.1000e-004	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0239	0.0239	0.0000	0.0000	0.0239
Total	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0239	0.0239	0.0000	0.0000	0.0239

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.9000e-004	0.0000	8.9000e-004	4.4000e-004	0.0000	4.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1000e-004	6.4100e-003	7.4700e-003	1.0000e-005		3.4000e-004	3.4000e-004		3.2000e-004	3.2000e-004	0.0000	1.0414	1.0414	1.9000e-004	0.0000	1.0462
Total	7.1000e-004	6.4100e-003	7.4700e-003	1.0000e-005	8.9000e-004	3.4000e-004	1.2300e-003	4.4000e-004	3.2000e-004	7.6000e-004	0.0000	1.0414	1.0414	1.9000e-004	0.0000	1.0462

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	1.2500e-003	0.0401	9.9600e-003	1.2000e-004	2.6800e-003	1.1000e-004	2.7900e-003	7.4000e-004	1.1000e-004	8.4000e-004	0.0000	11.7504	11.7504	8.1000e-004	0.0000	11.7707
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	1.2900e-003	0.0401	0.0103	1.2000e-004	2.7900e-003	1.1000e-004	2.9000e-003	7.7000e-004	1.1000e-004	8.7000e-004	0.0000	11.8458	11.8458	8.1000e-004	0.0000	11.8662

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.5000e-004	0.0000	3.5000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3000e-004	5.7000e-004	7.8500e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.0414	1.0414	1.9000e-004	0.0000	1.0462
Total	1.3000e-004	5.7000e-004	7.8500e-003	1.0000e-005	3.5000e-004	2.0000e-005	3.7000e-004	1.7000e-004	2.0000e-005	1.9000e-004	0.0000	1.0414	1.0414	1.9000e-004	0.0000	1.0462

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	1.2500e-003	0.0401	9.9600e-003	1.2000e-004	2.6800e-003	1.1000e-004	2.7900e-003	7.4000e-004	1.1000e-004	8.4000e-004	0.0000	11.7504	11.7504	8.1000e-004	0.0000	11.7707
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	1.2900e-003	0.0401	0.0103	1.2000e-004	2.7900e-003	1.1000e-004	2.9000e-003	7.7000e-004	1.1000e-004	8.7000e-004	0.0000	11.8458	11.8458	8.1000e-004	0.0000	11.8662

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0328	0.3253	0.3283	5.3000e-004		0.0170	0.0170		0.0157	0.0157	0.0000	46.0814	46.0814	0.0145	0.0000	46.4429
Total	0.0328	0.3253	0.3283	5.3000e-004		0.0170	0.0170		0.0157	0.0157	0.0000	46.0814	46.0814	0.0145	0.0000	46.4429

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0454	0.0123	1.2000e-004	3.0500e-003	9.0000e-005	3.1300e-003	8.8000e-004	8.0000e-005	9.6000e-004	0.0000	11.8257	11.8257	7.1000e-004	0.0000	11.8433
Worker	4.0800e-003	3.0600e-003	0.0353	1.1000e-004	0.0111	9.0000e-005	0.0112	2.9500e-003	8.0000e-005	3.0300e-003	0.0000	9.6561	9.6561	2.7000e-004	0.0000	9.6627
Total	5.4900e-003	0.0484	0.0475	2.3000e-004	0.0141	1.8000e-004	0.0143	3.8300e-003	1.6000e-004	3.9900e-003	0.0000	21.4817	21.4817	9.8000e-004	0.0000	21.5060

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	8.7300e-003	0.0428	0.3535	5.3000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	46.0813	46.0813	0.0145	0.0000	46.4429
Total	8.7300e-003	0.0428	0.3535	5.3000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	46.0813	46.0813	0.0145	0.0000	46.4429

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4100e-003	0.0454	0.0123	1.2000e-004	3.0500e-003	9.0000e-005	3.1300e-003	8.8000e-004	8.0000e-005	9.6000e-004	0.0000	11.8257	11.8257	7.1000e-004	0.0000	11.8433
Worker	4.0800e-003	3.0600e-003	0.0353	1.1000e-004	0.0111	9.0000e-005	0.0112	2.9500e-003	8.0000e-005	3.0300e-003	0.0000	9.6561	9.6561	2.7000e-004	0.0000	9.6627
Total	5.4900e-003	0.0484	0.0475	2.3000e-004	0.0141	1.8000e-004	0.0143	3.8300e-003	1.6000e-004	3.9900e-003	0.0000	21.4817	21.4817	9.8000e-004	0.0000	21.5060

3.6 Paving - 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	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663
Paving	5.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.2100e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4294	0.4294	1.0000e-005	0.0000	0.4297
Total	1.8000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4294	0.4294	1.0000e-005	0.0000	0.4297

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	7.2000e-004	3.9700e-003	0.0196	3.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663
Paving	5.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.3100e-003	3.9700e-003	0.0196	3.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4294	0.4294	1.0000e-005	0.0000	0.4297
Total	1.8000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4294	0.4294	1.0000e-005	0.0000	0.4297

3.7 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	4.3600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	4.8700e-003	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	4.7000e-004	1.3000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1222	0.1222	1.0000e-005	0.0000	0.1224
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	6.0000e-005	5.1000e-004	5.7000e-004	0.0000	1.7000e-004	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.2414	0.2414	1.0000e-005	0.0000	0.2417

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	4.3600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0000e-005	3.2000e-004	4.5800e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	4.4300e-003	3.2000e-004	4.5800e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	4.7000e-004	1.3000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1222	0.1222	1.0000e-005	0.0000	0.1224
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	6.0000e-005	5.1000e-004	5.7000e-004	0.0000	1.7000e-004	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.2414	0.2414	1.0000e-005	0.0000	0.2417

La Canada Phase 3 Mitigated Construction - Los Angeles-South Coast County, Summer

La Canada Phase 3 Mitigated Construction

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	7.70	1000sqft	0.18	7,700.00	0
Other Non-Asphalt Surfaces	12.00	1000sqft	0.28	12,000.00	0
Parking Lot	11.65	1000sqft	0.27	11,650.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	532.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - 11,650 sqft parking lot to account for basketball courts, associated lighting and seating. 12,000 sqft to account for surrounding hardscaping. 7,700 sqft to account for fire lane. As provided by the Applicant.

Construction Phase - Construction schedule adjusted to match Applicant provided schedule.

Off-road Equipment - Concrete Mortar Mixer added for seating area construction and miscellaneous pours which may require mortar for north gymnasium reconfigurations.

Trips and VMT - Additional Worker and Vendor trips to account for North Gymnasium reconfigurations.

Demolition - 4800 sqft of existing pool, 750 sqft of existing pool building and 6400 sqft of existing pool deck to be demolished. As provided by the Applicant. SQFT converted to Tons of Debris.

Grading - As provided by the Applicant.

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Tier IV Final Mitigation

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	100.00	88.00
tblGrading	MaterialImported	0.00	2,500.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	21.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	313.00	312.00
tblTripsAndVMT	VendorTripNumber	5.00	11.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	13.00	23.00

tblTripsAndVMT	WorkerTripNumber	3.00	5.00
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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					
2022	1.9874	45.3135	17.5529	0.1332	3.7338	0.4500	4.1837	1.2126	0.4301	1.6427	0.0000	14,306.1591	14,306.1591	1.0976	0.0000	14,333.5993
Maximum	1.9874	45.3135	17.5529	0.1332	3.7338	0.4500	4.1837	1.2126	0.4301	1.6427	0.0000	14,306.1591	14,306.1591	1.0976	0.0000	14,333.5993

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					
2022	1.7992	39.4744	17.9345	0.1332	3.1883	0.1302	3.3185	0.9471	0.1253	1.0724	0.0000	14,306.1591	14,306.1591	1.0976	0.0000	14,333.5993
Maximum	1.7992	39.4744	17.9345	0.1332	3.1883	0.1302	3.3185	0.9471	0.1253	1.0724	0.0000	14,306.1591	14,306.1591	1.0976	0.0000	14,333.5993

	ROG	NOx	CO	SO2	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	9.47	12.89	-2.17	0.00	14.61	71.08	20.68	21.89	70.88	34.72	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	5/2/2022	5/13/2022	5	10	
2	Site Preparation	Site Preparation	5/14/2022	5/16/2022	5	1	
3	Grading	Grading	5/17/2022	5/18/2022	5	2	
4	Building Construction	Building Construction	5/19/2022	9/19/2022	5	88	Includes seating construction and north gymnasium
5	Paving	Paving	9/20/2022	9/26/2022	5	5	
6	Architectural Coating	Architectural Coating	9/27/2022	10/3/2022	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.73

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,881

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	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	4	10.00	0.00	61.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	312.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	23.00	11.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3160	0.0000	1.3160	0.1993	0.0000	0.1993			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	1.3160	0.3375	1.6536	0.1993	0.3225	0.5218		1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0484	1.5200	0.3798	4.7000e-003	0.1067	4.3600e-003	0.1110	0.0292	4.1700e-003	0.0334		510.2253	510.2253	0.0345		511.0882
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	0.0886	1.5467	0.7514	5.8000e-003	0.2185	5.2300e-003	0.2237	0.0589	4.9800e-003	0.0639		620.0966	620.0966	0.0375		621.0352

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					0.5133	0.0000	0.5133	0.0777	0.0000	0.0777			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.1326	0.5747	7.8509	0.0120	0.5133	0.0177	0.5309	0.0777	0.0177	0.0954	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0484	1.5200	0.3798	4.7000e-003	0.1067	4.3600e-003	0.1110	0.0292	4.1700e-003	0.0334		510.2253	510.2253	0.0345		511.0882
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	0.0886	1.5467	0.7514	5.8000e-003	0.2185	5.2300e-003	0.2237	0.0589	4.9800e-003	0.0639		620.0966	620.0966	0.0375		621.0352

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367		942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.5303	0.2573	0.7876	0.0573	0.2367	0.2940		942.5179	942.5179	0.3048		950.1386

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	0.0201	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	0.0201	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.1191	0.5162	5.3170	9.7300e-003		0.0159	0.0159		0.0159	0.0159	0.0000	942.5179	942.5179	0.3048		950.1386
Total	0.1191	0.5162	5.3170	9.7300e-003	0.2068	0.0159	0.2227	0.0223	0.0159	0.0382	0.0000	942.5179	942.5179	0.3048		950.1386

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	0.0201	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	0.0201	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

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8941	0.0000	0.8941	0.4352	0.0000	0.4352			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.8941	0.3375	1.2316	0.4352	0.3225	0.7577		1,147.9025	1,147.9025	0.2119		1,153.2001

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2378	38.8731	9.7120	0.1201	2.7279	0.1116	2.8395	0.7478	0.1068	0.8545		13,048.3854	13,048.3854	0.8827		13,070.4522
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	1.2780	38.8997	10.0836	0.1212	2.8396	0.1125	2.9521	0.7774	0.1076	0.8850		13,158.2566	13,158.2566	0.8857		13,180.3992

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					0.3487	0.0000	0.3487	0.1697	0.0000	0.1697			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.1326	0.5747	7.8509	0.0120	0.3487	0.0177	0.3664	0.1697	0.0177	0.1874	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2378	38.8731	9.7120	0.1201	2.7279	0.1116	2.8395	0.7478	0.1068	0.8545		13,048.3854	13,048.3854	0.8827		13,070.4522
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	1.2780	38.8997	10.0836	0.1212	2.8396	0.1125	2.9521	0.7774	0.1076	0.8850		13,158.2566	13,158.2566	0.8857		13,180.3992

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7451	7.3940	7.4611	0.0121		0.3862	0.3862		0.3565	0.3565		1,154.4556	1,154.4556	0.3623		1,163.5127
Total	0.7451	7.3940	7.4611	0.0121		0.3862	0.3862		0.3565	0.3565		1,154.4556	1,154.4556	0.3623		1,163.5127

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	0.0314	1.0156	0.2642	2.8000e-003	0.0704	1.9100e-003	0.0723	0.0203	1.8300e-003	0.0221		299.7345	299.7345	0.0172		300.1645
Worker	0.0924	0.0612	0.8547	2.5400e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8500e-003	0.0700		252.7038	252.7038	6.9700e-003		252.8782
Total	0.1237	1.0768	1.1189	5.3400e-003	0.3275	3.9200e-003	0.3314	0.0885	3.6800e-003	0.0921		552.4383	552.4383	0.0242		553.0427

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	0.1984	0.9734	8.0346	0.0121		0.0329	0.0329		0.0329	0.0329	0.0000	1,154.4556	1,154.4556	0.3623		1,163.5127
Total	0.1984	0.9734	8.0346	0.0121		0.0329	0.0329		0.0329	0.0329	0.0000	1,154.4556	1,154.4556	0.3623		1,163.5127

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	0.0314	1.0156	0.2642	2.8000e-003	0.0704	1.9100e-003	0.0723	0.0203	1.8300e-003	0.0221		299.7345	299.7345	0.0172		300.1645
Worker	0.0924	0.0612	0.8547	2.5400e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8500e-003	0.0700		252.7038	252.7038	6.9700e-003		252.8782
Total	0.1237	1.0768	1.1189	5.3400e-003	0.3275	3.9200e-003	0.3314	0.0885	3.6800e-003	0.0921		552.4383	552.4383	0.0242		553.0427

3.6 Paving - 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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8827	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

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	0.2882	1.5896	7.8281	0.0113		0.0579	0.0579		0.0579	0.0579	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5240	1.5896	7.8281	0.0113		0.0579	0.0579		0.0579	0.0579	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

3.7 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	1.7437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	1.9482	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	5.7100e-003	0.1847	0.0480	5.1000e-004	0.0128	3.5000e-004	0.0132	3.6900e-003	3.3000e-004	4.0200e-003		54.4972	54.4972	3.1300e-003		54.5754
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	0.0258	0.1980	0.2338	1.0600e-003	0.0687	7.9000e-004	0.0695	0.0185	7.3000e-004	0.0192		109.4328	109.4328	4.6500e-003		109.5489

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	1.7437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	1.7734	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

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	5.7100e-003	0.1847	0.0480	5.1000e-004	0.0128	3.5000e-004	0.0132	3.6900e-003	3.3000e-004	4.0200e-003		54.4972	54.4972	3.1300e-003		54.5754
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	0.0258	0.1980	0.2338	1.0600e-003	0.0687	7.9000e-004	0.0695	0.0185	7.3000e-004	0.0192		109.4328	109.4328	4.6500e-003		109.5489

La Canada Phase 3 Mitigated Construction - Los Angeles-South Coast County, Winter

La Canada Phase 3 Mitigated 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
Other Asphalt Surfaces	7.70	1000sqft	0.18	7,700.00	0
Other Non-Asphalt Surfaces	12.00	1000sqft	0.28	12,000.00	0
Parking Lot	11.65	1000sqft	0.27	11,650.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - 11,650 sqft parking lot to account for basketball courts, associated lighting and seating. 12,000 sqft to account for surrounding hardscaping. 7,700 sqft to account for fire lane. As provided by the Applicant.

Construction Phase - Construction schedule adjusted to match Applicant provided schedule.

Off-road Equipment - Concrete Mortar Mixer added for seating area construction and miscellaneous pours which may require mortar for north gymnasium reconfigurations.

Trips and VMT - Additional Worker and Vendor trips to account for North Gymnasium reconfigurations.

Demolition - 4800 sqft of existing pool, 750 sqft of existing pool building and 6400 sqft of existing pool deck to be demolished. As provided by the Applicant. SQFT converted to Tons of Debris.

Grading - As provided by the Applicant.

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Tier IV Final Mitigation

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	100.00	88.00
tblGrading	MaterialImported	0.00	2,500.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	21.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	313.00	312.00
tblTripsAndVMT	VendorTripNumber	5.00	11.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	13.00	23.00

tblTripsAndVMT	WorkerTripNumber	3.00	5.00
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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					
2022	2.0219	45.7604	18.0854	0.1310	3.7338	0.4517	4.1855	1.2126	0.4318	1.6444	0.0000	14,071.7005	14,071.7005	1.1275	0.0000	14,099.8888
Maximum	2.0219	45.7604	18.0854	0.1310	3.7338	0.4517	4.1855	1.2126	0.4318	1.6444	0.0000	14,071.7005	14,071.7005	1.1275	0.0000	14,099.8888

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					
2022	1.8018	39.9212	18.4670	0.1310	3.1883	0.1319	3.3202	0.9471	0.1269	1.0740	0.0000	14,071.7005	14,071.7005	1.1275	0.0000	14,099.8888
Maximum	1.8018	39.9212	18.4670	0.1310	3.1883	0.1319	3.3202	0.9471	0.1269	1.0740	0.0000	14,071.7005	14,071.7005	1.1275	0.0000	14,099.8888

	ROG	NOx	CO	SO2	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	10.89	12.76	-2.11	0.00	14.61	70.80	20.67	21.89	70.60	34.68	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	5/2/2022	5/13/2022	5	10	
2	Site Preparation	Site Preparation	5/14/2022	5/16/2022	5	1	
3	Grading	Grading	5/17/2022	5/18/2022	5	2	
4	Building Construction	Building Construction	5/19/2022	9/19/2022	5	88	Includes seating construction and north gymnasium
5	Paving	Paving	9/20/2022	9/26/2022	5	5	
6	Architectural Coating	Architectural Coating	9/27/2022	10/3/2022	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.73

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,881

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	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	4	10.00	0.00	61.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	312.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	23.00	11.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3160	0.0000	1.3160	0.1993	0.0000	0.1993			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	1.3160	0.3375	1.6536	0.1993	0.3225	0.5218		1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0496	1.5374	0.4019	4.6100e-003	0.1067	4.4300e-003	0.1111	0.0292	4.2400e-003	0.0335		501.3082	501.3082	0.0357		502.2005
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	0.0944	1.5669	0.7410	5.6500e-003	0.2185	5.3000e-003	0.2238	0.0589	5.0500e-003	0.0639		604.7652	604.7652	0.0385		605.7287

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					0.5133	0.0000	0.5133	0.0777	0.0000	0.0777			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.1326	0.5747	7.8509	0.0120	0.5133	0.0177	0.5309	0.0777	0.0177	0.0954	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0496	1.5374	0.4019	4.6100e-003	0.1067	4.4300e-003	0.1111	0.0292	4.2400e-003	0.0335		501.3082	501.3082	0.0357		502.2005
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	0.0944	1.5669	0.7410	5.6500e-003	0.2185	5.3000e-003	0.2238	0.0589	5.0500e-003	0.0639		604.7652	604.7652	0.0385		605.7287

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367		942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.5303	0.2573	0.7876	0.0573	0.2367	0.2940		942.5179	942.5179	0.3048		950.1386

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	0.0224	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	0.0224	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.1191	0.5162	5.3170	9.7300e-003		0.0159	0.0159		0.0159	0.0159	0.0000	942.5179	942.5179	0.3048		950.1386
Total	0.1191	0.5162	5.3170	9.7300e-003	0.2068	0.0159	0.2227	0.0223	0.0159	0.0382	0.0000	942.5179	942.5179	0.3048		950.1386

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	0.0224	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	0.0224	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

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8941	0.0000	0.8941	0.4352	0.0000	0.4352			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.8941	0.3375	1.2316	0.4352	0.3225	0.7577		1,147.9025	1,147.9025	0.2119		1,153.2001

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2677	39.3171	10.2769	0.1180	2.7279	0.1133	2.8412	0.7478	0.1084	0.8562		12,820.3411	12,820.3411	0.9128		12,843.1606
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	1.3125	39.3465	10.6161	0.1191	2.8396	0.1142	2.9538	0.7774	0.1092	0.8866		12,923.7980	12,923.7980	0.9156		12,946.6887

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					0.3487	0.0000	0.3487	0.1697	0.0000	0.1697			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.1326	0.5747	7.8509	0.0120	0.3487	0.0177	0.3664	0.1697	0.0177	0.1874	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2677	39.3171	10.2769	0.1180	2.7279	0.1133	2.8412	0.7478	0.1084	0.8562		12,820.3411	12,820.3411	0.9128		12,843.1606
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	1.3125	39.3465	10.6161	0.1191	2.8396	0.1142	2.9538	0.7774	0.1092	0.8866		12,923.7980	12,923.7980	0.9156		12,946.6887

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7451	7.3940	7.4611	0.0121		0.3862	0.3862		0.3565	0.3565		1,154.4556	1,154.4556	0.3623		1,163.5127
Total	0.7451	7.3940	7.4611	0.0121		0.3862	0.3862		0.3565	0.3565		1,154.4556	1,154.4556	0.3623		1,163.5127

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	0.0330	1.0129	0.2924	2.7300e-003	0.0704	1.9700e-003	0.0724	0.0203	1.8900e-003	0.0222		291.4673	291.4673	0.0183		291.9253
Worker	0.1030	0.0677	0.7801	2.3900e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8500e-003	0.0700		237.9510	237.9510	6.5500e-003		238.1148
Total	0.1360	1.0806	1.0725	5.1200e-003	0.3275	3.9800e-003	0.3315	0.0885	3.7400e-003	0.0922		529.4183	529.4183	0.0249		530.0400

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	0.1984	0.9734	8.0346	0.0121		0.0329	0.0329		0.0329	0.0329	0.0000	1,154.4556	1,154.4556	0.3623		1,163.5127
Total	0.1984	0.9734	8.0346	0.0121		0.0329	0.0329		0.0329	0.0329	0.0000	1,154.4556	1,154.4556	0.3623		1,163.5127

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	0.0330	1.0129	0.2924	2.7300e-003	0.0704	1.9700e-003	0.0724	0.0203	1.8900e-003	0.0222		291.4673	291.4673	0.0183		291.9253
Worker	0.1030	0.0677	0.7801	2.3900e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8500e-003	0.0700		237.9510	237.9510	6.5500e-003		238.1148
Total	0.1360	1.0806	1.0725	5.1200e-003	0.3275	3.9800e-003	0.3315	0.0885	3.7400e-003	0.0922		529.4183	529.4183	0.0249		530.0400

3.6 Paving - 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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8827	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

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	0.2882	1.5896	7.8281	0.0113		0.0579	0.0579		0.0579	0.0579	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5240	1.5896	7.8281	0.0113		0.0579	0.0579		0.0579	0.0579	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

3.7 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	1.7437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	1.9482	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	5.9900e-003	0.1842	0.0532	5.0000e-004	0.0128	3.6000e-004	0.0132	3.6900e-003	3.4000e-004	4.0300e-003		52.9941	52.9941	3.3300e-003		53.0773
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	0.0284	0.1989	0.2227	1.0200e-003	0.0687	8.0000e-004	0.0695	0.0185	7.4000e-004	0.0193		104.7225	104.7225	4.7500e-003		104.8414

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	1.7437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	1.7734	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

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	5.9900e-003	0.1842	0.0532	5.0000e-004	0.0128	3.6000e-004	0.0132	3.6900e-003	3.4000e-004	4.0300e-003		52.9941	52.9941	3.3300e-003		53.0773
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	0.0284	0.1989	0.2227	1.0200e-003	0.0687	8.0000e-004	0.0695	0.0185	7.4000e-004	0.0193		104.7225	104.7225	4.7500e-003		104.8414

La Cañada - Entire Site (Mitigated Construction) - Los Angeles-South Coast County, Annual

La Cañada - Entire Site (Mitigated 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
Other Non-Asphalt Surfaces	0.82	Acre	0.82	35,719.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2022		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - To account for new pavement features, walkways, planting areas, and seating, stairs, ramps, and pavers to be installed on site. Existing paving replaced with new paving, decomposed granite pavers.

Construction Phase - Overall start and end dates align with the start and end dates for earliest and latest paving activities from the three phases. Miscellaneous construction activities not associated with any one of the three proposed phases.

Demolition - 35,691 (0.82 acres) of surfaces (asphalt, natural colored concrete, and decomposed granite) to be removed. Sqft converted to tons of debris.

Vehicle Trips - Construction Only.

Consumer Products - Construction Only.

Area Coating - Construction Only.

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Tier IV Final Mitigation for construction equipment >50 HP.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	2143	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	5.00	40.00
tblConstructionPhase	NumDays	1.00	20.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0319	0.2932	0.3137	5.8000e-004	0.0258	0.0136	0.0395	7.4400e-003	0.0128	0.0202	0.0000	50.5298	50.5298	0.0114	0.0000	50.8154
Maximum	0.0319	0.2932	0.3137	5.8000e-004	0.0258	0.0136	0.0395	7.4400e-003	0.0128	0.0202	0.0000	50.5298	50.5298	0.0114	0.0000	50.8154

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0114	0.0549	0.3489	5.8000e-004	0.0141	1.6500e-003	0.0158	3.9800e-003	1.6500e-003	5.6300e-003	0.0000	50.5297	50.5297	0.0114	0.0000	50.8153
Maximum	0.0114	0.0549	0.3489	5.8000e-004	0.0141	1.6500e-003	0.0158	3.9800e-003	1.6500e-003	5.6300e-003	0.0000	50.5297	50.5297	0.0114	0.0000	50.8153

	ROG	NOx	CO	SO2	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	64.10	81.29	-11.21	0.00	45.32	87.89	60.02	46.51	87.10	72.17	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)
5	5-3-2022	8-2-2022	0.1746	0.0243
6	8-3-2022	9-30-2022	0.1503	0.0414
		Highest	0.1746	0.0414

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/11/2022	6/22/2022	6	10	
2	Site Preparation	Site Preparation	6/23/2022	7/15/2022	6	20	
3	Grading	Grading	7/16/2022	8/8/2022	6	20	
4	Paving	Paving	8/9/2022	9/23/2022	6	40	

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	59.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.3700e-003	0.0000	6.3700e-003	9.6000e-004	0.0000	9.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5500e-003	0.0321	0.0374	6.0000e-005		1.6900e-003	1.6900e-003		1.6100e-003	1.6100e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308
Total	3.5500e-003	0.0321	0.0374	6.0000e-005	6.3700e-003	1.6900e-003	8.0600e-003	9.6000e-004	1.6100e-003	2.5700e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308

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	2.4000e-004	7.5800e-003	1.8800e-003	2.0000e-005	5.1000e-004	2.0000e-005	5.3000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	2.2220	2.2220	1.5000e-004	0.0000	2.2259
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	4.4000e-004	7.7300e-003	3.6200e-003	3.0000e-005	1.0600e-003	2.0000e-005	1.0800e-003	2.9000e-004	2.0000e-005	3.1000e-004	0.0000	2.6991	2.6991	1.6000e-004	0.0000	2.7033

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					2.4800e-003	0.0000	2.4800e-003	3.8000e-004	0.0000	3.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6000e-004	2.8700e-003	0.0393	6.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308
Total	6.6000e-004	2.8700e-003	0.0393	6.0000e-005	2.4800e-003	9.0000e-005	2.5700e-003	3.8000e-004	9.0000e-005	4.7000e-004	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308

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	2.4000e-004	7.5800e-003	1.8800e-003	2.0000e-005	5.1000e-004	2.0000e-005	5.3000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	2.2220	2.2220	1.5000e-004	0.0000	2.2259
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	4.4000e-004	7.7300e-003	3.6200e-003	3.0000e-005	1.0600e-003	2.0000e-005	1.0800e-003	2.9000e-004	2.0000e-005	3.1000e-004	0.0000	2.6991	2.6991	1.6000e-004	0.0000	2.7033

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3000e-003	0.0000	5.3000e-003	5.7000e-004	0.0000	5.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8000e-003	0.0693	0.0396	1.0000e-004		2.5700e-003	2.5700e-003		2.3700e-003	2.3700e-003	0.0000	8.5504	8.5504	2.7700e-003	0.0000	8.6195
Total	5.8000e-003	0.0693	0.0396	1.0000e-004	5.3000e-003	2.5700e-003	7.8700e-003	5.7000e-004	2.3700e-003	2.9400e-003	0.0000	8.5504	8.5504	2.7700e-003	0.0000	8.6195

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774

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					2.0700e-003	0.0000	2.0700e-003	2.2000e-004	0.0000	2.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1900e-003	5.1600e-003	0.0532	1.0000e-004		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	8.5504	8.5504	2.7700e-003	0.0000	8.6195
Total	1.1900e-003	5.1600e-003	0.0532	1.0000e-004	2.0700e-003	1.6000e-004	2.2300e-003	2.2000e-004	1.6000e-004	3.8000e-004	0.0000	8.5504	8.5504	2.7700e-003	0.0000	8.6195

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774
Total	2.0000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4771	0.4771	1.0000e-005	0.0000	0.4774

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5300e-003	0.0000	7.5300e-003	4.1400e-003	0.0000	4.1400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0900e-003	0.0641	0.0747	1.2000e-004		3.3800e-003	3.3800e-003		3.2300e-003	3.2300e-003	0.0000	10.4136	10.4136	1.9200e-003	0.0000	10.4617
Total	7.0900e-003	0.0641	0.0747	1.2000e-004	7.5300e-003	3.3800e-003	0.0109	4.1400e-003	3.2300e-003	7.3700e-003	0.0000	10.4136	10.4136	1.9200e-003	0.0000	10.4617

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					
Fugitive Dust					2.9400e-003	0.0000	2.9400e-003	1.6100e-003	0.0000	1.6100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3300e-003	5.7500e-003	0.0785	1.2000e-004		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	10.4136	10.4136	1.9200e-003	0.0000	10.4616
Total	1.3300e-003	5.7500e-003	0.0785	1.2000e-004	2.9400e-003	1.8000e-004	3.1200e-003	1.6100e-003	1.8000e-004	1.7900e-003	0.0000	10.4136	10.4136	1.9200e-003	0.0000	10.4616

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	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

3.5 Paving - 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	0.0129	0.1184	0.1407	2.3000e-004		5.9200e-003	5.9200e-003		5.5200e-003	5.5200e-003	0.0000	18.7937	18.7937	5.4700e-003	0.0000	18.9306
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0129	0.1184	0.1407	2.3000e-004		5.9200e-003	5.9200e-003		5.5200e-003	5.5200e-003	0.0000	18.7937	18.7937	5.4700e-003	0.0000	18.9306

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4500e-003	1.0900e-003	0.0125	4.0000e-005	3.9400e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.4350	3.4350	9.0000e-005	0.0000	3.4373
Total	1.4500e-003	1.0900e-003	0.0125	4.0000e-005	3.9400e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.4350	3.4350	9.0000e-005	0.0000	3.4373

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	5.7600e-003	0.0318	0.1566	2.3000e-004		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	18.7937	18.7937	5.4700e-003	0.0000	18.9305
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.7600e-003	0.0318	0.1566	2.3000e-004		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	18.7937	18.7937	5.4700e-003	0.0000	18.9305

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4500e-003	1.0900e-003	0.0125	4.0000e-005	3.9400e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.4350	3.4350	9.0000e-005	0.0000	3.4373
Total	1.4500e-003	1.0900e-003	0.0125	4.0000e-005	3.9400e-003	3.0000e-005	3.9800e-003	1.0500e-003	3.0000e-005	1.0800e-003	0.0000	3.4350	3.4350	9.0000e-005	0.0000	3.4373

La Cañada - Entire Site (Mitigated Construction) - Los Angeles-South Coast County, Summer

La Cañada - Entire Site (Mitigated Construction)

Los Angeles-South Coast County, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	0.82	Acre	0.82	35,719.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - To account for new pavement features, walkways, planting areas, and seating, stairs, ramps, and pavers to be installed on site. Existing paving replaced with new paving, decomposed granite pavers.

Construction Phase - Overall start and end dates align with the start and end dates for earliest and latest paving activities from the three phases.

Miscellaneous construction activities not associated with any one of the three proposed phases.

Demolition - 35,691 (0.82 acres) of surfaces (asphalt, natural colored concrete, and decomposed granite) to be removed. Sqft converted to tons of debris.

Vehicle Trips - Construction Only.

Consumer Products - Construction Only.

Area Coating - Construction Only.

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Tier IV Final Mitigation for construction equipment >50 HP.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	2143	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	5.00	40.00
tblConstructionPhase	NumDays	1.00	20.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.7964	7.9106	8.2082	0.0176	1.4882	0.3426	1.8308	0.4434	0.3274	0.7668	0.0000	1,751.2703	1,751.2703	0.3072	0.0000	1,757.4783
Maximum	0.7964	7.9106	8.2082	0.0176	1.4882	0.3426	1.8308	0.4434	0.3274	0.7668	0.0000	1,751.2703	1,751.2703	0.3072	0.0000	1,757.4783

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					
2022	0.3605	2.0715	8.5898	0.0176	0.7115	0.0594	0.7343	0.1910	0.0593	0.2095	0.0000	1,751.2703	1,751.2703	0.3072	0.0000	1,757.4783
Maximum	0.3605	2.0715	8.5898	0.0176	0.7115	0.0594	0.7343	0.1910	0.0593	0.2095	0.0000	1,751.2703	1,751.2703	0.3072	0.0000	1,757.4783

	ROG	NOx	CO	SO2	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	54.74	73.81	-4.65	0.00	52.19	82.65	59.89	56.92	81.88	72.68	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	6/11/2022	6/22/2022	6	10	
2	Site Preparation	Site Preparation	6/23/2022	7/15/2022	6	20	
3	Grading	Grading	7/16/2022	8/8/2022	6	20	
4	Paving	Paving	8/9/2022	9/23/2022	6	40	

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	59.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2732	0.0000	1.2732	0.1928	0.0000	0.1928			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	1.2732	0.3375	1.6108	0.1928	0.3225	0.5153		1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0468	1.4702	0.3673	4.5400e-003	0.1032	4.2200e-003	0.1074	0.0283	4.0400e-003	0.0323		493.4966	493.4966	0.0334		494.3312
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	0.0870	1.4968	0.7389	5.6400e-003	0.2150	5.0900e-003	0.2200	0.0579	4.8500e-003	0.0628		603.3679	603.3679	0.0364		604.2782

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					0.4966	0.0000	0.4966	0.0752	0.0000	0.0752			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.1326	0.5747	7.8509	0.0120	0.4966	0.0177	0.5142	0.0752	0.0177	0.0929	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0468	1.4702	0.3673	4.5400e-003	0.1032	4.2200e-003	0.1074	0.0283	4.0400e-003	0.0323		493.4966	493.4966	0.0334		494.3312
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	0.0870	1.4968	0.7389	5.6400e-003	0.2150	5.0900e-003	0.2200	0.0579	4.8500e-003	0.0628		603.3679	603.3679	0.0364		604.2782

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367		942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.5303	0.2573	0.7876	0.0573	0.2367	0.2940		942.5179	942.5179	0.3048		950.1386

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	0.0201	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	0.0201	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.1191	0.5162	5.3170	9.7300e-003		0.0159	0.0159		0.0159	0.0159	0.0000	942.5179	942.5179	0.3048		950.1386
Total	0.1191	0.5162	5.3170	9.7300e-003	0.2068	0.0159	0.2227	0.0223	0.0159	0.0382	0.0000	942.5179	942.5179	0.3048		950.1386

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	0.0201	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	0.0201	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

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.7528	0.3375	1.0903	0.4138	0.3225	0.7363		1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0402	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	0.0402	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

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					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.1326	0.5747	7.8509	0.0120	0.2936	0.0177	0.3113	0.1614	0.0177	0.1791	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0402	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	0.0402	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

3.5 Paving - 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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

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	0.2882	1.5896	7.8281	0.0113		0.0579	0.0579		0.0579	0.0579	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2882	1.5896	7.8281	0.0113		0.0579	0.0579		0.0579	0.0579	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

La Cañada - Entire Site (Mitigated Construction) - Los Angeles-South Coast County, Winter

La Cañada - Entire Site (Mitigated 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
Other Non-Asphalt Surfaces	0.82	Acre	0.82	35,719.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor based on Renewable Energy Portfolio. Construction and Operations start dates as provided by the Applicant.

Land Use - To account for new pavement features, walkways, planting areas, and seating, stairs, ramps, and pavers to be installed on site. Existing paving replaced with new paving, decomposed granite pavers.

Construction Phase - Overall start and end dates align with the start and end dates for earliest and latest paving activities from the three phases.

Miscellaneous construction activities not associated with any one of the three proposed phases.

Demolition - 35,691 (0.82 acres) of surfaces (asphalt, natural colored concrete, and decomposed granite) to be removed. Sqft converted to tons of debris.

Vehicle Trips - Construction Only.

Consumer Products - Construction Only.

Area Coating - Construction Only.

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403.

Tier IV Final Mitigation for construction equipment >50 HP.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	2143	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	5.00	40.00
tblConstructionPhase	NumDays	1.00	20.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.8021	7.9303	8.1972	0.0175	1.4882	0.3427	1.8309	0.4434	0.3274	0.7668	0.0000	1,736.2313	1,736.2313	0.3069	0.0000	1,742.4632
Maximum	0.8021	7.9303	8.1972	0.0175	1.4882	0.3427	1.8309	0.4434	0.3274	0.7668	0.0000	1,736.2313	1,736.2313	0.3069	0.0000	1,742.4632

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					
2022	0.3688	2.0911	8.5788	0.0175	0.7115	0.0594	0.7344	0.1910	0.0593	0.2095	0.0000	1,736.2313	1,736.2313	0.3069	0.0000	1,742.4632
Maximum	0.3688	2.0911	8.5788	0.0175	0.7115	0.0594	0.7344	0.1910	0.0593	0.2095	0.0000	1,736.2313	1,736.2313	0.3069	0.0000	1,742.4632

	ROG	NOx	CO	SO2	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	54.02	73.63	-4.66	0.00	52.19	82.66	59.89	56.92	81.89	72.68	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	6/11/2022	6/22/2022	6	10	
2	Site Preparation	Site Preparation	6/23/2022	7/15/2022	6	20	
3	Grading	Grading	7/16/2022	8/8/2022	6	20	
4	Paving	Paving	8/9/2022	9/23/2022	6	40	

Acres of Grading (Site Preparation Phase): 10

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.82

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	59.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2732	0.0000	1.2732	0.1928	0.0000	0.1928			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	1.2732	0.3375	1.6108	0.1928	0.3225	0.5153		1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0480	1.4870	0.3887	4.4600e-003	0.1032	4.2900e-003	0.1075	0.0283	4.1000e-003	0.0324		484.8719	484.8719	0.0345		485.7349
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	0.0927	1.5164	0.7279	5.5000e-003	0.2150	5.1600e-003	0.2201	0.0579	4.9100e-003	0.0628		588.3288	588.3288	0.0374		589.2631

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					0.4966	0.0000	0.4966	0.0752	0.0000	0.0752			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.1326	0.5747	7.8509	0.0120	0.4966	0.0177	0.5142	0.0752	0.0177	0.0929	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0480	1.4870	0.3887	4.4600e-003	0.1032	4.2900e-003	0.1075	0.0283	4.1000e-003	0.0324		484.8719	484.8719	0.0345		485.7349
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	0.0927	1.5164	0.7279	5.5000e-003	0.2150	5.1600e-003	0.2201	0.0579	4.9100e-003	0.0628		588.3288	588.3288	0.0374		589.2631

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.5797	6.9332	3.9597	9.7300e-003		0.2573	0.2573		0.2367	0.2367		942.5179	942.5179	0.3048		950.1386
Total	0.5797	6.9332	3.9597	9.7300e-003	0.5303	0.2573	0.7876	0.0573	0.2367	0.2940		942.5179	942.5179	0.3048		950.1386

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	0.0224	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	0.0224	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.1191	0.5162	5.3170	9.7300e-003		0.0159	0.0159		0.0159	0.0159	0.0000	942.5179	942.5179	0.3048		950.1386
Total	0.1191	0.5162	5.3170	9.7300e-003	0.2068	0.0159	0.2227	0.0223	0.0159	0.0382	0.0000	942.5179	942.5179	0.3048		950.1386

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	0.0224	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	0.0224	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

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	0.7528	0.3375	1.0903	0.4138	0.3225	0.7363		1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0448	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	0.0448	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

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					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.1326	0.5747	7.8509	0.0120	0.2936	0.0177	0.3113	0.1614	0.0177	0.1791	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0448	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	0.0448	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

3.5 Paving - 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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

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	0.2882	1.5896	7.8281	0.0113		0.0579	0.0579		0.0579	0.0579	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2882	1.5896	7.8281	0.0113		0.0579	0.0579		0.0579	0.0579	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

B.2 - Construction Health Risk Assessment

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Construction Health Risk Assessment

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Note: Complete AERMOD files available upon request.

Unmitigated Scenario

La Cañada Unified School District—New Outdoor Pool Facility and South of Campus Improvement Project

Estimation of Annual Onsite Construction Emissions

	Entire Site	Phases 1-3
Start of Construction	6/11/2022	5/3/2021
End of Construction	9/23/2022	10/28/2022
Number of Days	104	543
Number of Hours	2,496	13,032

CalEEMod Run	Year	On-site Construction Activity	Unmitigated Onsite DPM (tons)
Entire Site	2022	Total 2022 Miscellaneous Activities	0.01360
Phase 1	2021	Demolition	0.00204
Phase 1	2021	Site Preparation	0.00973
Phase 1	2021	Grading	0.00143
Phase 1	2021	Building Construction	0.02080
Phase 1	2022	Building Construction	0.02530
Phase 1	2022	Paving	0.00074
Phase 1	2022	Architectural Coating	0.00020
Phase 2	2022	Demolition	0.01050
Phase 2	2022	Site Preparation	0.00249
Phase 2	2022	Grading	0.00440
Phase 2	2022	Building Construction	0.00501
Phase 2	2022	Paving	0.00730
Phase 2	2022	Architectural Coating	0.00172
Phase 3	2022	Demolition	0.00169
Phase 3	2022	Site Preparation	0.00013
Phase 3	2022	Grading	0.00034
Phase 3	2022	Building Construction	0.01700
Phase 3	2022	Paving	0.00074
Phase 3	2022	Architectural Coating	0.00020

Entire Site Total Unmitigated DPM (On-site)

1.360E-02 tons

Average Emission

1.235E+04 grams
 1.374E-03 grams/m2-sec (full area already accounted for in AERMOD for the La Cañada project)
 1.374E-03 grams/m2-sec

Phases 1-3 Total Unmitigated DPM (On-site)

1.118E-01 tons

Average Emission

1.015E+05 grams
 2.163E-03 grams/m2-sec (full area already accounted for in AERMOD for the La Cañada project)
 2.163E-03 grams/m2-sec

La Cañada Unified School District—New Outdoor Pool Facility and South of Campus Improvement Project

Estimation of Annual Offsite Construction DPM Emissions (No Mitigation)					
		Entire Site			
Start of Construction		6/11/2022			
End of Construction		9/23/2022			
Number of Days		104			
Number of Hours		2,496			
		Entire Site	Entire Site	Entire Site	Entire Site
		2022	2022	2022	2022
Construction Trip Type		Demolition	Site Preparation	Grading	Paving
DPM	Haul Truck	0.00002	0.00000	0.00000	0.00000
DPM	Vendor Truck	0.00000	0.00000	0.00000	0.00000
DPM	Worker	0.00000	0.00000	0.00001	0.00003
DPM	Total	0.00002	0.00000	0.00001	0.00003
		Haul Truck	Vendor Truck	Worker	Total
		(tons)	(tons)	(tons)	(tons)
Total DPM		2.000E-05	0.000E+00	4.000E-05	6.000E-05
Average Emissions	Grams	1.816E+01	0.000E+00	3.632E+01	
	Grams/sec	2.021E-05	0.000E+00	4.042E-06	
Default Vehicle Travel Distance in CalEEMod		20	6.9	14.7	
Vehicle Travel Distances in the Construction HRA (miles)					
Road Segment 1 (mi)		0.38	0.38	0.38	miles
Road Segment 2 (mi)		0.38	0.38	0.38	miles
Road Segment 3 (mi)		0.78	0.78	0.78	miles
Trip Distribution (percent)					
Road Segment 1		25%	25%	25%	
Road Segment 2		25%	25%	25%	
Road Segment 3		50%	50%	50%	
Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)					Total
Road Segment 1 (mi)		9.634E-08	0.000E+00	2.621E-08	1.225E-07
Road Segment 2 (mi)		9.503E-08	0.000E+00	2.586E-08	1.209E-07
Road Segment 3 (mi)		3.921E-07	0.000E+00	1.067E-07	4.988E-07

La Cañada Unified School District—New Outdoor Pool Facility and South of Campus Improvement Project

		Estimation of Annual Offsite Construction DPM Emissions (No Mitigation)																																			
																Phases 1-3																					
Start of Construction																5/3/2021																					
End of Construction																10/28/2022																					
Number of Days																543																					
Number of Hours																13,032																					
		Phase 1		Phase 1		Phase 1		Phase 1		Phase 1		Phase 1		Phase 1		Phase 2		Phase 2		Phase 2		Phase 2		Phase 2		Phase 2		Phase 3		Phase 3		Phase 3		Phase 3		Phase 3	
		2021		2021		2021		2021		2022		2022		2022		2022		2022		2022		2022		2022		2022		2022		2022		2022		2022			
DPM	Construction Trip Type	Demolition	Site Preparation	Grading	Building Construction	Building Construction	Paving	Architectural Coating	Demolition	Site Preparation	Grading	Building Construction	Paving	Architectural Coating	Demolition	Site Preparation	Grading	Building Construction	Paving	Architectural Coating																	
	Haul Truck	0.00001	0.00050	0.00000	0.00001	0.00001	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00011	0.00000	0.00000	0.00000																	
	Vendor Truck	0.00000	0.00000	0.00000	0.00005	0.00006	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00009	0.00000	0.00000																	
	Worker	0.00000	0.00001	0.00000	0.00005	0.00007	0.00000	0.00000	0.00001	0.00000	0.00001	0.00002	0.00002	0.00001	0.00000	0.00000	0.00000	0.00009	0.00000	0.00000																	
	Total	0.00001	0.00051	0.00000	0.00011	0.00014	0.00000	0.00000	0.00002	0.00000	0.00001	0.00003	0.00002	0.00001	0.00002	0.00000	0.00011	0.00018	0.00000	0.00000																	
Total DPM		Haul Truck (tons)	Vendor Truck (tons)	Worker (tons)	Total (tons)																																
		6.700E-04	2.100E-04	2.900E-04	1.170E-03																																
Average Emissions	Grams	6.084E+02	1.907E+02	2.633E+02																																	
	Grams/sec	1.297E-04	4.064E-06	5.613E-06																																	
Default Vehicle Travel Distance in CalEEMod		20	6.9	14.7																																	
Vehicle Travel Distances in the Construction HRA (miles)																																					
Road Segment 1 (mi)		0.38	0.38	0.38	miles																																
Road Segment 2 (mi)		0.38	0.38	0.38	miles																																
Road Segment 3 (mi)		0.78	0.78	0.78	miles																																
Trip Distribution (percent)																																					
Road Segment 1		25%	25%	25%																																	
Road Segment 2		25%	25%	25%																																	
Road Segment 3		50%	50%	50%																																	
Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)		Total																																			
Road Segment 1 (mi)		6.181E-07	5.616E-08	3.640E-08	7.107E-07																																
Road Segment 2 (mi)		6.097E-07	5.540E-08	3.591E-08	7.011E-07																																
Road Segment 3 (mi)		2.516E-06	2.286E-07	1.482E-07	2.892E-06																																

OEHHA Cancer/SCAQMD Risk Methodology

$$\text{Cancer Risk} = \text{DPM} \times \text{CPF} \times \text{ASF} \times \text{DBR} \times \text{ED} \times \text{EF} \times \text{TAH} \times \text{AF} / \text{AT}$$

Cancer Risk = probability of an individual contracting cancer out of a population of 1 million people over a lifetime exposure duration of 30 years

DPM = long-term average concentration of diesel PM as predicted by the air dispersion model (ug/m3)

CPF = cancer potency factor for DPM (mg.ke-day)

ASF = age sensitivity factors that are dependent on the age of the exposed individual (unitless)

DBR = daily breathing rates that are dependent on the age of the exposed individual (liters/kg-day)

ED = exposure duration (years)

EF = exposure frequency (days/year)

TAH = time at home factors that are dependent on the age of the exposed individual (%)

AT = averaging time over the lifetime of an individual (days)

AF = adjustment factor for workers and students (unitless)

Cancer Risk Equation Values as recommended by the California Office of Environmental Health Hazards Assessment

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions

La Cañada Unified School District—New Outdoor Pool Facility and South of Campus Improvement Project

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant

UTM: 391342.64 3784067.69

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year

Averaging Period 25550 days

Construction Annual DPM Emissions (as PM10 Exhaust) Unmitigated

Year	Maximum DPM Concentration	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
	(ug/m3)					
3rd Trimester	0.428739197	10	361	0.85	0.25	5.0
0-1	0.428739197	10	1090	0.85	1.00	59.9
1-<2	0.428739197	10	1090	0.85	0.24	14.2
Total						79.0

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child

UTM: 391342.64 3784067.69

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year

Averaging Period 25550 days

Construction Annual DPM Emissions (as PM10 Exhaust) Unmitigated

Construction Year	Maximum DPM Concentration	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor
	(ug/m3)					(ug/m3) ⁻¹
1	0.428739197	3	572	1	1.00	11.1
2	0.428739197	3	572	1	0.49	5.4
Total						16.5

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult

UTM: 391342.64 3784067.69

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Exposure Frequency 350 days/year

Averaging Period 25550 days

Construction Annual DPM Emissions (as PM10 Exhaust) Unmitigated

Construction Year	Maximum DPM Concentration	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor
	(ug/m3)					(ug/m3) ⁻¹
1	0.428739197	1	261	0.73	1.00	1.2
2	0.428739197	1	261	0.73	0.49	0.6
Total						1.8

La Cañada Unified School District—New Outdoor Pool Facility and South of Campus Improvement Project

UTM: 391342.64 3784067.69

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
391342.64	3784067.69	0.4287	0.4287	0.08575

390954.92	3783712.44	0.21113	0.78696	1.14929	0.24293	2.90E-04	9.64E-08	8.06E-07	7.03E-07	2.9176E-04
390981.57	3783663.84	0.21006	0.80326	1.20816	0.23474	2.89E-04	9.84E-08	8.47E-07	6.79E-07	2.9031E-04
390963.8	3783696.24	0.20940	0.78380	1.15114	0.23904	2.88E-04	9.61E-08	8.07E-07	6.91E-07	2.8937E-04
390999.33	3783631.44	0.20752	0.84902	1.24623	0.22593	2.85E-04	1.04E-07	8.74E-07	6.53E-07	2.8682E-04
390972.68	3783680.04	0.20728	0.77413	1.13654	0.23444	2.85E-04	9.49E-08	7.97E-07	6.78E-07	2.8643E-04
391008.21	3783615.24	0.20509	0.83212	1.20354	0.22176	2.82E-04	1.02E-07	8.44E-07	6.41E-07	2.8344E-04
390890.91	3783790.9	0.20227	0.66193	0.86394	0.24692	2.78E-04	8.11E-08	6.06E-07	7.14E-07	2.7938E-04
390908.66	3783758.51	0.20076	0.70148	0.95021	0.24427	2.76E-04	8.60E-08	6.66E-07	7.07E-07	2.7736E-04
390899.78	3783774.7	0.20039	0.67665	0.89849	0.24477	2.75E-04	8.29E-08	6.30E-07	7.08E-07	2.7681E-04
390917.54	3783742.32	0.19777	0.70385	0.96458	0.24022	2.72E-04	8.63E-08	6.76E-07	6.95E-07	2.7325E-04
390961.94	3783661.35	0.19763	0.76326	1.12179	0.22774	2.72E-04	9.35E-08	7.86E-07	6.59E-07	2.7314E-04
390926.42	3783726.12	0.19628	0.70969	0.98571	0.23720	2.70E-04	8.70E-08	6.91E-07	6.86E-07	2.7121E-04
390970.82	3783645.16	0.19611	0.78979	1.14592	0.22311	2.70E-04	9.68E-08	8.03E-07	6.45E-07	2.7106E-04
390935.3	3783709.93	0.19478	0.71239	0.99966	0.23384	2.68E-04	8.73E-08	7.01E-07	6.76E-07	2.6915E-04
390944.18	3783693.74	0.19349	0.71200	1.00762	0.23041	2.66E-04	8.73E-08	7.06E-07	6.66E-07	2.6737E-04
390979.69	3783628.97	0.19312	0.77824	1.11750	0.21850	2.65E-04	9.54E-08	7.83E-07	6.32E-07	2.6691E-04
390953.06	3783677.55	0.19245	0.71012	1.01100	0.22695	2.64E-04	8.70E-08	7.09E-07	6.56E-07	2.6593E-04
390988.57	3783612.77	0.19173	0.75289	1.07427	0.21532	2.63E-04	9.23E-08	7.53E-07	6.23E-07	2.6496E-04
390997.45	3783596.58	0.18847	0.71792	1.01477	0.21092	2.59E-04	8.80E-08	7.11E-07	6.10E-07	2.6042E-04
391026.5	3783564.27	0.18682	0.67205	0.91880	0.20389	2.57E-04	8.24E-08	6.44E-07	5.90E-07	2.5806E-04
391011.7	3783577.6	0.18460	0.66672	0.91944	0.20532	2.54E-04	8.17E-08	6.45E-07	5.94E-07	2.5501E-04
391026.51	3783537.82	0.17332	0.59145	0.77185	0.19096	2.38E-04	7.25E-08	5.41E-07	5.52E-07	2.3936E-04
391011.75	3783551.12	0.17179	0.58210	0.76298	0.19122	2.36E-04	7.13E-08	5.35E-07	5.53E-07	2.3725E-04
391054.97	3783515.23	0.17096	0.56379	0.71115	0.18375	2.35E-04	6.91E-08	4.99E-07	5.31E-07	2.3605E-04
390996.99	3783564.41	0.17042	0.58144	0.76860	0.19285	2.34E-04	7.13E-08	5.39E-07	5.58E-07	2.3537E-04
391067.89	3783502	0.15899	0.50267	0.62126	0.16985	2.18E-04	6.16E-08	4.36E-07	4.91E-07	2.1949E-04
CONCUNIT ug/ DEPUNIT g/m^	m^3 2									

La Cañada Unified School District—New Outdoor Pool Facility and South of Campus Improvement Project

Construction Annual DPM Emissions (PM10 Exhaust)—Unmitigated Concentrations

Maximum DPM (ug/m3)	X	MIR UTM Y
4.2874E-01	391342.64	3784067.69

X	Y	Entire Site DPM (ug/m3)	Phases 1-3 DPM (ug/m3)	Total DPM (ug/m3)
391337.51	3783912.24	0.166251696	0.262487501	0.42874
391317.37	3783915.38	0.124493221	0.195058144	0.31955
391342.64	3784067.69	0.122442622	0.188843659	0.31129
391324.53	3784070.25	0.104970015	0.161175536	0.26615
391371.27	3784068.39	0.103116633	0.159558538	0.26268
391300.02	3783909.25	0.091553656	0.144114884	0.23567
391311.65	3783951.44	0.089757242	0.141094169	0.23085
391309.59	3783931.67	0.089682883	0.140321645	0.23000
391310.14	3783988.99	0.085966588	0.134406973	0.22037
391307.22	3784064.13	0.084059451	0.129869841	0.21393
391302.73	3784043.5	0.080405477	0.125906343	0.20631
391341.56	3784087.42	0.078306311	0.118606884	0.19691
391304.39	3783967.92	0.076642427	0.120245434	0.19689
391323.62	3784088.97	0.070454476	0.106729316	0.17718
391289.78	3783885.53	0.070315055	0.112835028	0.18315
391301.69	3784005.05	0.067341675	0.105049696	0.17239
391371.12	3784088.15	0.064573526	0.098000875	0.16257
391291.08	3783925.13	0.063690159	0.100028796	0.16372
391306.26	3784082.83	0.062468186	0.095237409	0.15771
391294.43	3783945.35	0.062098723	0.097351719	0.15945
391292.88	3783982.89	0.057508373	0.089958962	0.14747
391293.85	3784021.31	0.056672356	0.088408468	0.14508
391282.67	3783903.11	0.056585831	0.089952206	0.14654
391340.47	3784107.16	0.053662109	0.080479823	0.13414
391287.08	3783961.79	0.051786224	0.081203055	0.13299
391321.87	3784107.39	0.049940322	0.074997609	0.12494
391284.35	3783998.92	0.046848888	0.073145778	0.11999
391304.55	3784101.27	0.046665745	0.070509837	0.11718
391370.97	3784107.91	0.045791422	0.068822492	0.11461
391277.21	3783939.26	0.043718409	0.068810853	0.11253
391283.21	3783868.49	0.043226692	0.070570578	0.11380
391273.81	3783919.02	0.042596459	0.067486774	0.11008
391275.62	3783976.78	0.040298078	0.06315239	0.10345
391276.56	3784015.2	0.039772019	0.062025109	0.10180
391339.39	3784126.89	0.038621763	0.057469355	0.09609
391321.35	3784126.25	0.037061474	0.055230618	0.09229
391272.6	3784051.88	0.037019073	0.057450793	0.09447
391271.27	3783887.43	0.03697053	0.059651115	0.09662
391269.77	3783955.67	0.036594574	0.057574601	0.09417
391304.06	3784120.14	0.036090216	0.054108639	0.09020
391271.54	3784070.55	0.034746452	0.053593	0.08834
391267.02	3783992.79	0.033821707	0.052941718	0.08676
391446.84	3783935.37	0.03355721	0.055980503	0.08954
391370.82	3784127.67	0.033511146	0.049957215	0.08347
391446.71	3783915.61	0.033526425	0.056381219	0.08991
391446.58	3783895.85	0.032401662	0.054892131	0.08729
391354.7	3784138.05	0.032030519	0.047511058	0.07954
391269.9	3784089.01	0.030831661	0.047214826	0.07805
391259.99	3783933.17	0.030333564	0.048112615	0.07845
391446.45	3783876.09	0.030180045	0.051495853	0.08168
391259.27	3784009.09	0.029320298	0.045834643	0.07515
391258.36	3783970.68	0.029218479	0.045978833	0.07520
391338.3	3784146.62	0.02921864	0.043199637	0.07242
391319.23	3784144.54	0.028968269	0.042932413	0.07190
391259.4	3783906.54	0.02890948	0.04634713	0.07526
391301.89	3784138.41	0.028487635	0.042451726	0.07094
391388.88	3784127.81	0.028266532	0.04234093	0.07061
391255.29	3784045.76	0.027103469	0.042141776	0.06925
391269.47	3784107.9	0.027064613	0.041136734	0.06820
391452.68	3783969.39	0.026643786	0.043891379	0.07054
391254.18	3784064.41	0.026215721	0.040578978	0.06679
391370.68	3784147.43	0.025859353	0.038309833	0.06417
391251.22	3783949.11	0.025521361	0.040428491	0.06595
391249.69	3783986.66	0.025054024	0.039383051	0.06444
391355.14	3784157.24	0.024901793	0.036729864	0.06163
391252.57	3784082.89	0.024347235	0.037478151	0.06183
391450.03	3784011.79	0.024269831	0.039131899	0.06340
391264.65	3783870.26	0.023641894	0.038721607	0.06236
391453.41	3783859.26	0.023561595	0.040503158	0.06406
391318.7	3784163.4	0.023369308	0.034463537	0.05783
391301.39	3784157.28	0.02331267	0.034549805	0.05786
391337.21	3784166.35	0.023161143	0.034078477	0.05724
391455.36	3783992.82	0.023154653	0.03777403	0.06093
391267.15	3784126.15	0.023076955	0.034857059	0.05793

391388.73	3784147.57	0.022532144	0.033527873	0.05606
391252.18	3784101.79	0.022374518	0.034221575	0.05660
391240.75	3784002.53	0.021753674	0.034153331	0.05591
391245.64	3783920.74	0.021730794	0.034813797	0.05654
391252.81	3783889.45	0.021723434	0.035247291	0.05697
391276.63	3783851.46	0.021591371	0.03587687	0.05747
391241.1	3783964.58	0.021468319	0.033982067	0.05545
391449.43	3784040.65	0.021426479	0.034189376	0.05562
391452.49	3783839.18	0.020932927	0.036168186	0.05710
391237.98	3784039.64	0.02080268	0.032447777	0.05325
391370.53	3784167.19	0.020767347	0.030614233	0.05138
391236.82	3784058.27	0.020320769	0.031569445	0.05189
391466.73	3783955.5	0.020326383	0.033961996	0.05429
391354.56	3784176.08	0.020300473	0.029817622	0.05012
391468.8	3783925.75	0.020150437	0.034086037	0.05424
391266.78	3784145.03	0.019977498	0.029983489	0.04996
391249.88	3784120.01	0.019785464	0.030087419	0.04987
391235.25	3784076.76	0.019377688	0.02996403	0.04934
391300.47	3784175.99	0.019329277	0.028504776	0.04783
391317.82	3784182.13	0.019271063	0.028296835	0.04757
391336.13	3784186.08	0.01887324	0.027653812	0.04653
391232.36	3783980.53	0.018863574	0.029814571	0.04868
391234.89	3784095.67	0.018359487	0.02823344	0.04659
391388.58	3784167.33	0.018399036	0.027224745	0.04562
391234.21	3783940.98	0.018307439	0.02923517	0.04754
391474.95	3783907.59	0.017772354	0.030294287	0.04807
391249.47	3784138.91	0.017672516	0.026707715	0.04438
391451.73	3783819.15	0.01756449	0.030474273	0.04804
391265.78	3784163.72	0.017300156	0.025821406	0.04312
391239.07	3783903.7	0.0172893	0.027980554	0.04527
391474.82	3783887.83	0.01725061	0.029558039	0.04681
391370.38	3784186.95	0.017135577	0.025156919	0.04229
391353.76	3784194.84	0.016914548	0.024751344	0.04167
391232.54	3784113.88	0.016717161	0.025575945	0.04229
391223.46	3783996.42	0.016715532	0.026379183	0.04309
391220.68	3784033.52	0.016324386	0.025568759	0.04189
391469.78	3784012.16	0.016282244	0.026575567	0.04286
391219.46	3784052.13	0.016061804	0.025057382	0.04112
391223.84	3783958.47	0.015938228	0.025399375	0.04134
391480.79	3783941.61	0.015830116	0.026751445	0.04258
391335.04	3784205.82	0.015714186	0.022940231	0.03865
391248.43	3784157.59	0.015636685	0.023497896	0.03913
391217.93	3784070.63	0.015609724	0.024246796	0.03986
391232.16	3784132.79	0.015340592	0.023334301	0.03867
391388.44	3784187.09	0.015372815	0.022640639	0.03801
391435.6	3783792.77	0.015232024	0.026622396	0.04185
391227.6	3783923.85	0.015200709	0.024485631	0.03969
391217.59	3784089.55	0.015113304	0.023358155	0.03847
391478.14	3783984.01	0.01503361	0.024975114	0.04001
391453.3	3784085.61	0.014863504	0.023326537	0.03819
391469.14	3784041.96	0.014743829	0.023755798	0.03850
391306.46	3784209.5	0.014714452	0.021512638	0.03623
391246.21	3783872.35	0.014653816	0.024092451	0.03875
391463.33	3784064.54	0.014514943	0.02310395	0.03762
391370.23	3784206.72	0.014371447	0.021019919	0.03539
391215.03	3783974.4	0.014324147	0.022784646	0.03711
391215.2	3784107.75	0.014076539	0.021654975	0.03573
391287.12	3784207.23	0.014056853	0.020630236	0.03469
391485.33	3783872.47	0.013902146	0.023930394	0.03783
391231.08	3784151.45	0.013879397	0.020997152	0.03488
391258.02	3783853.1	0.013482983	0.022429977	0.03591
391244.7	3784178.79	0.0133683	0.019984285	0.03335
391333.96	3784225.55	0.01331021	0.019365856	0.03268
391484.02	3783852.22	0.013222836	0.022830217	0.03605
391214.85	3784126.67	0.013213509	0.020218801	0.03343
391203.37	3784027.4	0.013085391	0.020600801	0.03369
391388.29	3784206.85	0.013065021	0.019164371	0.03223
391202.1	3784045.99	0.012996988	0.020374473	0.03337
391352.03	3784226.34	0.012936906	0.018827648	0.03176
391206.18	3783990.31	0.012854972	0.020415937	0.03327
391200.6	3784064.5	0.012772771	0.019935398	0.03271
391447	3784124.93	0.012806745	0.019663911	0.03247
391494.84	3783927.72	0.012660123	0.021571796	0.03423
391304.92	3784229.2	0.012581578	0.018330596	0.03091
391200.3	3784083.44	0.012508693	0.0194278	0.03194
391370.09	3784226.48	0.012242768	0.017846111	0.03009
391227.82	3784171.51	0.012211182	0.018380591	0.03059
391213.74	3784145.32	0.012191519	0.018559869	0.03075
391285.03	3784226.9	0.012108494	0.017706137	0.02981
391466.56	3783805.58	0.012045123	0.020947768	0.03299
391482.94	3783832.07	0.012038321	0.020844512	0.03288
391492.19	3783970.12	0.012029202	0.020237671	0.03227
391197.86	3784101.62	0.011835117	0.018301494	0.03014
391239.82	3784197.94	0.011566181	0.017222647	0.02879
391197.54	3784120.55	0.011329074	0.017430989	0.02876
391332.87	3784245.28	0.011330499	0.016423849	0.02775
391388.14	3784226.61	0.011245539	0.016436316	0.02768

391465.67	3784102.35	0.011227877	0.017592377	0.02882
391351.88	3784246.1	0.011056787	0.016036419	0.02709
391210.93	3784164.22	0.011011368	0.016685243	0.02770
391474.63	3784083.53	0.011010457	0.01748761	0.02850
391489.54	3784012.52	0.010985247	0.018173622	0.02916
391300.9	3784248.67	0.010711087	0.015548142	0.02626
391222.95	3784190.66	0.010701575	0.016043473	0.02675
391196.39	3784139.18	0.010632138	0.016280389	0.02691
391369.94	3784246.24	0.010532619	0.015302522	0.02584
391282.93	3784246.55	0.010375569	0.015108485	0.02548
391483.58	3784064.72	0.010367985	0.016711564	0.02708
391508.9	3783913.83	0.010309426	0.017666873	0.02798
391410.39	3784217.97	0.01037389	0.015243205	0.02562
391435.15	3783772.88	0.010228349	0.01796122	0.02819
391488.86	3784043.27	0.010204459	0.01665924	0.02686
391508.4	3783889.21	0.010184797	0.017524337	0.02771
391234.93	3784217.09	0.010101658	0.014987923	0.02509
391459.96	3784139.6	0.010004928	0.015372662	0.02538
391263.76	3784243.09	0.009894273	0.014475135	0.02437
391331.78	3784265.01	0.009832982	0.014210704	0.02404
391206.08	3784183.38	0.009779033	0.014758452	0.02454
391506.25	3783956.23	0.009747931	0.016557459	0.02631
391387.99	3784246.37	0.009762171	0.014219888	0.02398
391180.53	3784095.49	0.009647977	0.015037472	0.02469
391451.89	3784162.44	0.009687277	0.014689493	0.02438
391180.24	3784114.43	0.009569132	0.014799585	0.02437
391351.73	3784265.86	0.009576908	0.013847694	0.02342
391465.89	3783785.6	0.009506539	0.016603488	0.02611
391218.07	3784209.82	0.009433514	0.014089239	0.02352
391192.73	3784167.5	0.009383729	0.014271987	0.02366
391299.23	3784268.36	0.009367161	0.013555949	0.02292
391179.04	3784133.04	0.009190109	0.014148543	0.02334
391369.79	3784266	0.009158161	0.013264366	0.02242
391280.49	3784266.15	0.009091888	0.013169011	0.02226
391408.91	3784238.25	0.009134435	0.013370425	0.02250
391503.6	3783998.63	0.00899217	0.015061218	0.02405
391180.97	3784153.47	0.008920606	0.013655692	0.02258
391474.86	3784125.76	0.008920466	0.013894981	0.02282
391201.22	3784202.54	0.008714349	0.013101585	0.02182
391330.7	3784284.74	0.008627814	0.012434478	0.02106
391484.27	3784106.01	0.008600705	0.013606183	0.02221
391387.84	3784266.13	0.008519458	0.012368083	0.02089
391351.59	3784285.63	0.008392907	0.01210164	0.02049
391497.51	3783818.39	0.008337141	0.014484596	0.02282
391515.55	3783865.27	0.00827988	0.014311554	0.02259
391297.56	3784288.05	0.008279947	0.0119151	0.02020
391213.12	3784228.94	0.008227643	0.012242006	0.02047
391242.86	3784259.68	0.008169008	0.011957518	0.02013
391520.31	3783942.34	0.008076593	0.013809422	0.02189
391278.38	3784285.81	0.008046884	0.011617736	0.01966
391493.67	3784086.25	0.008037747	0.012923297	0.02096
391523.67	3783901.72	0.008015431	0.013798762	0.02181
391184.36	3784195.27	0.007970119	0.012059367	0.02003
391473.04	3784154.23	0.007954544	0.012233354	0.02019
391172.16	3784171.15	0.007897793	0.012059733	0.01996
391509.06	3784025.9	0.007783939	0.012934583	0.02072
391514.15	3783844.98	0.007750967	0.013427219	0.02118
391258.72	3784282.26	0.007720823	0.011200397	0.01892
391464.43	3784177.27	0.007755513	0.011773596	0.01953
391517.65	3783984.74	0.007694104	0.013009158	0.02070
391196.21	3784221.64	0.00766958	0.011488095	0.01916
391329.61	3784304.48	0.007657149	0.010969283	0.01863
391419.89	3784253.69	0.007675123	0.011220355	0.01890
391454.89	3784200.69	0.007626072	0.011433083	0.01906
391503.08	3784066.5	0.007514243	0.012249827	0.01976
391508.58	3784044.58	0.007452668	0.012291613	0.01974
391351.44	3784305.39	0.007435166	0.010655283	0.01809
391295.89	3784307.74	0.007362828	0.010563997	0.01793
391465.3	3783765.65	0.007346453	0.012885858	0.02023
391208.25	3784248.09	0.007310926	0.010840709	0.01815
391238.62	3784278.98	0.007258799	0.01059174	0.01785
391276.26	3784305.46	0.007171554	0.010322207	0.01749
391179.29	3784214.34	0.007159617	0.010794427	0.01795
391434.74	3783753.01	0.007155619	0.012607188	0.01976
391369.49	3784305.52	0.007118373	0.010216816	0.01734
391496.63	3783798.32	0.006997654	0.012193144	0.01919
391163.37	3784188.85	0.006973938	0.010623779	0.01760
391257.09	3784302	0.006917419	0.01000035	0.01692
391523.9	3784002.71	0.006878953	0.011586964	0.01847
391191.35	3784240.8	0.006851109	0.010225916	0.01708
391493.36	3784129.63	0.006857933	0.010807297	0.01767
391328.53	3784324.21	0.006821487	0.009742412	0.01656
391531.71	3783970.85	0.006721708	0.011445307	0.01817
391157.91	3784159.53	0.006713537	0.010364509	0.01708
391387.55	3784305.66	0.006697305	0.009637082	0.01633
391536.5	3783933.79	0.006614908	0.011353818	0.01797
391351.29	3784325.15	0.006628012	0.009468597	0.01610

391203.37	3784267.25	0.006552229	0.009684473	0.01624
391537.65	3783887.63	0.006489307	0.011201868	0.01769
391234.38	3784298.29	0.006482696	0.009431307	0.01591
391503.12	3784109.15	0.006484398	0.010376403	0.01686
391174.45	3784233.51	0.006462168	0.009708643	0.01617
391486.18	3784168.82	0.006444956	0.009922377	0.01637
391369.35	3784325.28	0.006373418	0.009117022	0.01549
391477.13	3784192.04	0.006255767	0.009507786	0.01576
391186.49	3784259.96	0.006175524	0.009186691	0.01536
391528.47	3783831.2	0.006155028	0.010678537	0.01683
391306.44	3784342.18	0.006173885	0.008802399	0.01498
391512.87	3784088.66	0.00614944	0.009980373	0.01613
391528.82	3784026.26	0.006127939	0.010258641	0.01639
391327.44	3784343.94	0.006137289	0.0087384	0.01488
391154.58	3784206.55	0.006086691	0.009271077	0.01536
391271.33	3784337.23	0.006012596	0.008615093	0.01463
391387.4	3784325.42	0.006043404	0.008662933	0.01471
391471.66	3784213.87	0.006017024	0.009056379	0.01507
391254.65	3784329.88	0.005975559	0.00859946	0.01458
391495.86	3783778.29	0.005925355	0.010358779	0.01628
391351.14	3784344.91	0.005963329	0.008487662	0.01445
391198.5	3784286.4	0.005901333	0.008695802	0.01460
391149.16	3784177.27	0.005876815	0.009064238	0.01494
391462.62	3784237.09	0.005959134	0.008863777	0.01482
391237.96	3784322.53	0.005870719	0.008491976	0.01436
391528.3	3784045.89	0.005842713	0.009712011	0.01555
391522.62	3784068.17	0.005836054	0.009596558	0.01543
391371.51	3783753.92	0.005818988	0.010242446	0.01606
391550.32	3783919.31	0.00577883	0.009948741	0.01573
391169.6	3784252.67	0.00575965	0.008633674	0.01439
391464.78	3783745.73	0.005749792	0.010121027	0.01587
391221.28	3784315.18	0.005695336	0.008286263	0.01398
391369.2	3784345.05	0.005768211	0.008213514	0.01398
391527.37	3783811.04	0.005667179	0.009853589	0.01552
391502.07	3784154.06	0.005674068	0.008883978	0.01456
391549.33	3783965.87	0.005651952	0.009661539	0.01531
391543.12	3783999.36	0.005624637	0.00953195	0.01516
391181.63	3784279.12	0.005570689	0.008265914	0.01384
391551.64	3783873.58	0.005563545	0.009618311	0.01518
391548	3783852.56	0.005513487	0.009547084	0.01506
391326.35	3784363.67	0.005568186	0.007897073	0.01347
391268.08	3784356.73	0.0054317	0.007761383	0.01319
391251.45	3784349.39	0.005405575	0.007757684	0.01316
391387.25	3784345.18	0.005537829	0.007880475	0.01342
391512.11	3784132.99	0.005365809	0.008538049	0.01390
391145.78	3784224.25	0.005335368	0.008117414	0.01345
391351	3784364.67	0.005466512	0.007730387	0.01320
391234.81	3784342.06	0.005324564	0.007679548	0.01300
391295.86	3783789.6	0.005308763	0.009224848	0.01453
391499.38	3784183.4	0.005280682	0.0081497	0.01343
391164.75	3784271.84	0.005237716	0.007825027	0.01306
391434.38	3783733.15	0.005240277	0.009252205	0.01449
391186.57	3784299.89	0.005186143	0.007649782	0.01284
391140.41	3784195	0.005168785	0.007966881	0.01314
391522.14	3784111.92	0.005118927	0.008262967	0.01338
391564.18	3783904.94	0.005093192	0.0087858	0.01388
391526.42	3783790.94	0.005088774	0.008870681	0.01396
391492.58	3784205.75	0.005047178	0.007693256	0.01274
391495.18	3783758.31	0.004998196	0.00876895	0.01377
391562.99	3783950.99	0.004978754	0.008546176	0.01352
391201.53	3784327.4	0.004974882	0.007260845	0.01224
391483.99	3784228.79	0.005001414	0.007537295	0.01254
391548.58	3784026.63	0.004964723	0.008361726	0.01333
391169.22	3784292.24	0.004939996	0.007336267	0.01228
391474.71	3784252.1	0.004991576	0.007437148	0.01243
391264.83	3784376.22	0.004945886	0.007046842	0.01199
391532.17	3784090.85	0.004900916	0.008019012	0.01292
391248.16	3784368.87	0.004914874	0.007033936	0.01195
391147.88	3784264.56	0.004893518	0.007359567	0.01225
391231.49	3784361.53	0.004834121	0.006952722	0.01179
391565.64	3783859.56	0.004805193	0.008316085	0.01312
391184.89	3784320.07	0.004759067	0.00699176	0.01175
391136.98	3784241.94	0.004736864	0.007198236	0.01194
391548.02	3784047.2	0.004728159	0.007910959	0.01264
391542.2	3784069.78	0.004701684	0.007788813	0.01249
391562.16	3783997.94	0.004694446	0.007989131	0.01268
391368.9	3784384.57	0.004866247	0.006846812	0.01171
391152.54	3784284.89	0.00466174	0.006969236	0.01163
391558.11	3783823.76	0.004590892	0.007968048	0.01256
391198.15	3784346.84	0.004545324	0.006613838	0.01116
391464.31	3783725.82	0.004538317	0.008011004	0.01255
391168.26	3784312.74	0.004533928	0.006705468	0.01124
391578.08	3783890.66	0.00450277	0.007777724	0.01228
391520.77	3784157.53	0.004508568	0.007132895	0.01164
391525.58	3783770.88	0.004496875	0.007861797	0.01236
391576.73	3783936.3	0.004495701	0.007737829	0.01223
391261.58	3784395.71	0.004532037	0.006434218	0.01097

391244.88	3784388.35	0.004496054	0.006415313	0.01091
391386.96	3784384.7	0.004558503	0.006458344	0.01102
391354.17	3783746.36	0.004451487	0.007826372	0.01228
391350.7	3784404.19	0.004509636	0.006343169	0.01085
391181.48	3784339.5	0.004369419	0.00639837	0.01077
391513.5	3784197.62	0.004344345	0.006722657	0.01107
391336.46	3783754.15	0.00434397	0.007623305	0.01197
391531.03	3784135.98	0.004318576	0.006930251	0.01125
391151.62	3784305.41	0.004299638	0.006401089	0.01070
391556.98	3783803.58	0.004278731	0.00744095	0.01172
391408.97	3784376.15	0.004373415	0.006234534	0.01061
391368.76	3784404.33	0.004344669	0.006137057	0.01048
391303.9	3783772.88	0.004265388	0.007450666	0.01172
391128.19	3784259.64	0.004231962	0.006424043	0.01066
391575.66	3783982.67	0.004219096	0.007217547	0.01144
391505.36	3784220.49	0.004233512	0.006461229	0.01069
391441.49	3784343.82	0.004394726	0.006305108	0.01070
391496.47	3784243.64	0.004225716	0.006376936	0.01060
391494.58	3783738.35	0.004193585	0.007381848	0.01158
391371.38	3783734.16	0.004200287	0.007396752	0.01160
391164.81	3784332.15	0.004179137	0.006159641	0.01034
391486.97	3784267.04	0.004222505	0.006301274	0.01052
391579.65	3783845.56	0.004166775	0.007217279	0.01138
391194.79	3784366.28	0.00417425	0.006055793	0.01023
391541.29	3784114.43	0.004155362	0.006760877	0.01092
391323.1	3784422.87	0.00424364	0.00595338	0.01020
391568.34	3784026.99	0.004130968	0.006991215	0.01112
391276.14	3783788.36	0.004129358	0.007174416	0.01130
391258.34	3784415.2	0.004198175	0.005923592	0.01012
391241.68	3784407.86	0.004128601	0.005868943	0.01000
391590.53	3783921.76	0.004070046	0.007018044	0.01109
391386.81	3784404.46	0.004126958	0.005851249	0.00998
391178.09	3784358.93	0.00402625	0.005877214	0.00990
391350.55	3784423.96	0.004077974	0.005742147	0.00982
391551.55	3784092.88	0.004009649	0.006608831	0.01062
391434.05	3783713.3	0.004004918	0.007079943	0.01108
391430.98	3784367.6	0.004089299	0.005871055	0.00996
391592.01	3783876.45	0.003974373	0.006871792	0.01085
391148.14	3784324.81	0.003977922	0.005901382	0.00988
391208.36	3784393.19	0.003963872	0.005699449	0.00966
391567.74	3784048.51	0.003929996	0.006611101	0.01054
391555.99	3783783.46	0.003912995	0.006820873	0.01073
391524.84	3783750.87	0.00390804	0.006853634	0.01076
391368.61	3784424.09	0.003951414	0.005579668	0.00953
391589.28	3783967.67	0.003882974	0.006666181	0.01055
391561.81	3784071.33	0.003883889	0.006475516	0.01036
391095.52	3784080.23	0.003875687	0.006170392	0.01005
391122.93	3784291.84	0.003864247	0.005820006	0.00968
391161.39	3784351.57	0.003861415	0.00567269	0.00953
391191.7	3784385.85	0.003853192	0.005572708	0.00943
391290.39	3784439.21	0.003946732	0.005526163	0.00947
391582.69	3784003.75	0.003817258	0.006512008	0.01033
391420.18	3784391.5	0.003859686	0.005520654	0.00938
391463.25	3784335.37	0.003946945	0.005721244	0.00967
391322.01	3784442.6	0.003852157	0.0054076	0.00926
391131.47	3784317.46	0.003772897	0.005633077	0.00941
391533.6	3784173.3	0.003776182	0.005974952	0.00975
391238.4	3784427.35	0.003858166	0.005447685	0.00931
391386.66	3784424.23	0.003771416	0.005342184	0.00911
391341.02	3784443.42	0.003775481	0.00530741	0.00908
391175.04	3784378.51	0.003723818	0.005418402	0.00914
391144.69	3784344.21	0.003686885	0.005451241	0.00914
391604.37	3783907.33	0.003679246	0.006352342	0.01003
391453	3784359.05	0.003752972	0.005433244	0.00919
391593.67	3783831.58	0.003652567	0.006330994	0.00998
391468.91	3783708.02	0.003654163	0.00646214	0.01012
391205.03	3784412.64	0.003669436	0.005258751	0.00893
391526.72	3784212.19	0.003646703	0.005655433	0.00930
391543.25	3784153.04	0.003641763	0.00583687	0.00948
391409.13	3784415.5	0.003634401	0.005175969	0.00881
391602.97	3783952.87	0.003586652	0.006172987	0.00976
391368.46	3784443.85	0.003620168	0.005106272	0.00873
391158.39	3784371.17	0.003580888	0.005243097	0.00882
391499.37	3784281.92	0.003599962	0.005381789	0.00898
391509.07	3784258.46	0.00358445	0.005416867	0.00900
391518.22	3784235.19	0.003575086	0.005463608	0.00904
391188.35	3784405.29	0.003567696	0.005143947	0.00871
391311.94	3783756.15	0.00355598	0.00622933	0.00979
391442.43	3784382.86	0.003593567	0.005178356	0.00877
391555.11	3783763.39	0.00353876	0.006184843	0.00972
391288.6	3784458.74	0.003594895	0.005040647	0.00864
391552.89	3784132.78	0.003525518	0.005722604	0.00925
391128	3784336.85	0.003509314	0.005221621	0.00873
391320.92	3784462.33	0.003542115	0.004969022	0.00851
391083.75	3784148.81	0.00349331	0.005503096	0.00900
391605.96	3783862.28	0.003487887	0.006035742	0.00952
391588.1	3784027.35	0.003479605	0.005912752	0.00939

391110.74	3784307.39	0.003458109	0.00520939	0.00867
391501.07	3783721.33	0.003448625	0.006083292	0.00953
391340.41	3784463.17	0.003481448	0.004889538	0.00837
391494.59	3784303.48	0.00349037	0.005177636	0.00867
391171.66	3784397.94	0.003452705	0.005008568	0.00846
391386.51	3784443.99	0.003465158	0.00490184	0.00837
391141.73	3784363.83	0.003430396	0.005054529	0.00848
391562.54	3784112.51	0.003424205	0.005625974	0.00905
391284.18	3783771.63	0.00342783	0.005982024	0.00941
391586.39	3783796.04	0.00340143	0.005914395	0.00932
391108.21	3784279.32	0.003400419	0.005190021	0.00859
391097.47	3784035.42	0.003391307	0.00544996	0.00884
391431.59	3784406.77	0.003424538	0.004909931	0.00833
391201.89	3784432.18	0.003420984	0.004881376	0.00830
391088.91	3784063.11	0.003359865	0.005374985	0.00873
391253.77	3784462.45	0.00346186	0.004852136	0.00831
391572.19	3784092.25	0.003341009	0.005550079	0.00889
391533.23	3783734.63	0.003323403	0.005839816	0.00916
391408.27	3784435.54	0.003348226	0.004760405	0.00811
391354.82	3783726.61	0.003325485	0.005850625	0.00918
391154.98	3784390.59	0.00332867	0.004858506	0.00819
391587.45	3784049.82	0.003314081	0.005600847	0.00891
391601.82	3783999.03	0.003309674	0.005665219	0.00897
391368.31	3784463.61	0.003334581	0.0046973	0.00803
391616.72	3783938.22	0.003301402	0.005692301	0.00899
391475.01	3784350.5	0.003355034	0.004909057	0.00826
391185.24	3784424.85	0.003320234	0.004770252	0.00809
391618.24	3783892.98	0.003279406	0.005668008	0.00895
391125.07	3784356.49	0.003276896	0.004858497	0.00814
391581.83	3784071.99	0.003271492	0.005486755	0.00876
391542.33	3784197.69	0.003257031	0.005125525	0.00838
391075.13	3784166.65	0.003236572	0.005089647	0.00833
391464.68	3784374.22	0.003266968	0.004750504	0.00802
391079.37	3784088.26	0.00321575	0.005126095	0.00834
391336.33	3783734.39	0.003215855	0.005649075	0.00886
391436.75	3783694.71	0.003198605	0.005659486	0.00886
391168.59	3784417.51	0.00321645	0.004650392	0.00787
391138.29	3784383.24	0.003197349	0.004695917	0.00789
391607.7	3783817.61	0.003182314	0.005520277	0.00870
391521.77	3784273.23	0.00319419	0.004836024	0.00803
391386.37	3784463.75	0.003196499	0.004515133	0.00771
391371.25	3783714.39	0.00316311	0.005572191	0.00874
391261.68	3784482.04	0.003207355	0.004499525	0.00771
391585.38	3783775.92	0.003146816	0.00548362	0.00863
391430.02	3784427.09	0.003176334	0.004544494	0.00772
391454.05	3784398.05	0.003170898	0.004582715	0.00775
391531.16	3784249.87	0.003147796	0.004818304	0.00797
391552.18	3784177	0.00313988	0.005005274	0.00815
391619.92	3783848.15	0.003128495	0.005416703	0.00855
391234.16	3784473.78	0.003223754	0.004523399	0.00775
391108.41	3784349.15	0.003119912	0.004654077	0.00777
391151.94	3784410.18	0.003106257	0.004518959	0.00763
391539.98	3784226.74	0.003097396	0.004811486	0.00791
391100.43	3783993.22	0.003087474	0.005008158	0.00810
391615.41	3783983.97	0.003079534	0.005289059	0.00837
391565.38	3783747.94	0.003070257	0.005374434	0.00844
391506.75	3784318.47	0.003097422	0.004609317	0.00771
391516.06	3784295.15	0.003084815	0.004632158	0.00772
391170.02	3784433.32	0.003086937	0.004444911	0.00753
391121.61	3784375.89	0.003060375	0.004522716	0.00758
391562.04	3784156.3	0.00304316	0.004912878	0.00796
391069.14	3784118.14	0.003019754	0.004794645	0.00781
391630.52	3783923.69	0.003015445	0.005206314	0.00822
391095.2	3784294.2	0.00301234	0.004604835	0.00762
391419.31	3784450.95	0.003019462	0.004299047	0.00732
391065.74	3784183.86	0.002992191	0.004698163	0.00769
391632.14	3783878.7	0.002984621	0.005161643	0.00815
391082.3	3784045.98	0.002977772	0.004783995	0.00776
391135.3	3784402.84	0.002988113	0.004374113	0.00736
391246.55	3784493.05	0.003024337	0.004245994	0.00727
391607.85	3784027.72	0.00297101	0.005065456	0.00804
391096.12	3784320.93	0.002960982	0.004483163	0.00744
391571.89	3784135.61	0.002960916	0.00483963	0.00780
391107.07	3783960.57	0.002958002	0.004838379	0.00780
391177.94	3784452.91	0.00300878	0.004295312	0.00730
391451.78	3784418.64	0.002961986	0.004269608	0.00723
391090.85	3784018.26	0.002938533	0.004743648	0.00768
391468.19	3783688.01	0.00293225	0.005194298	0.00813
391217.42	3784482.62	0.003033674	0.004261553	0.00730
391292.22	3783754.9	0.002918171	0.005107457	0.00803
391532.03	3783714.43	0.002901143	0.005113035	0.00801
391486.93	3784365.57	0.002929548	0.004303829	0.00723
391500.11	3783701.22	0.002898438	0.005125855	0.00802
391072.75	3784071.09	0.00289891	0.004639994	0.00754
391581.74	3784114.91	0.002895737	0.004787998	0.00768
391061	3784155.13	0.002892962	0.00456872	0.00746
391104.93	3784368.54	0.002895711	0.004307748	0.00720

391629.08	3783969.11	0.002874391	0.00494894	0.00782
391591.59	3784094.22	0.002846645	0.004755125	0.00760
391476.52	3784389.32	0.002868317	0.004185035	0.00705
391622.22	3784003.75	0.002836164	0.004862454	0.00770
391441.28	3784442.42	0.002848567	0.004083421	0.00693
391607.17	3784051.13	0.002817708	0.004781068	0.00760
391621.73	3783803.65	0.002796488	0.004854773	0.00765
391057.13	3784201.7	0.002796769	0.004383184	0.00718
391601.45	3784073.52	0.002791778	0.00470487	0.00750
391118.65	3784395.51	0.002796141	0.00412606	0.00692
391225.34	3784502.21	0.002837927	0.00399095	0.00683
391597.54	3783761.24	0.002781336	0.004852074	0.00763
391633.89	3783834.06	0.002780041	0.0048164	0.00760
391563.95	3783727.64	0.002778578	0.004877851	0.00766
391644.36	3783909.25	0.00276692	0.004781642	0.00755
391264.45	3783770.39	0.002765183	0.004824616	0.00759
391055.01	3784131.93	0.002751207	0.004365101	0.00712
391519.04	3784333.4	0.002746167	0.00410119	0.00685
391560.88	3784201.45	0.002733189	0.00433366	0.00707
391051.49	3784172.24	0.002718097	0.004285156	0.00700
391528.51	3784310.02	0.002728083	0.004118529	0.00685
391197.82	3784493.95	0.002804648	0.003948328	0.00675
391642.8	3783954.39	0.002702674	0.004661362	0.00736
391150.41	3784444.65	0.002731121	0.003952871	0.00668
391544.16	3784264.53	0.002706674	0.004163596	0.00687
391055.74	3784102.4	0.002692023	0.004292529	0.00698
391537.53	3784286.81	0.002698892	0.004115009	0.00681
391473.53	3784410.19	0.002707643	0.003937374	0.00665
391646.06	3783864.47	0.002681633	0.004640489	0.00732
391138.46	3784430.92	0.002691137	0.003926122	0.00662
391162.8	3784463.92	0.002741838	0.003922358	0.00666
391088.24	3784361.19	0.002662938	0.003995486	0.00666
391620.13	3783781.63	0.002648922	0.004607183	0.00726
391083.79	3784336.37	0.002652137	0.004021492	0.00667
391570.92	3784180.38	0.002649898	0.004254498	0.00690
391553.25	3784241.29	0.002649808	0.004126491	0.00678
391066.12	3784053.93	0.002640849	0.004243996	0.00688
391102	3784388.17	0.002640642	0.003924685	0.00657
391119.18	3784411.63	0.00264328	0.003893019	0.00654
391463.24	3784433.89	0.002641345	0.003816507	0.00646
391075.69	3784028.85	0.002617075	0.00422289	0.00684
391210.2	3784513.22	0.002660507	0.003746761	0.00641
391627.61	3784028.08	0.002593585	0.004434022	0.00703
391580.95	3784159.3	0.002581402	0.004196304	0.00678
391595.87	3783740.85	0.002572799	0.004499809	0.00707
391042.91	3784190.12	0.002564737	0.00403574	0.00660
391046.32	3784236.66	0.002564109	0.003999323	0.00656
391111.31	3783921.69	0.002565423	0.004245898	0.00681
391658.22	3783894.88	0.002542837	0.004397251	0.00694
391183.02	3784502.44	0.002635967	0.003718303	0.00635
391041.1	3784145.97	0.002536689	0.00402142	0.00656
391093.83	3783976.11	0.002539125	0.004139609	0.00668
391530.96	3783694.28	0.002526369	0.004464463	0.00699
391590.98	3784138.23	0.002527319	0.004157526	0.00668
391300.26	3783738.18	0.002525389	0.004427469	0.00695
391045.7	3784266.11	0.002518183	0.003902596	0.00642
391083.75	3783999.88	0.002514821	0.004080429	0.00660
391641.43	3783999.99	0.002511232	0.004315306	0.00683
391649.09	3783823.02	0.002505685	0.004342576	0.00685
391656.58	3783939.8	0.002501446	0.004320119	0.00682
391562.67	3783707.4	0.002489283	0.004382567	0.00687
391636.16	3783790.71	0.00248628	0.004319061	0.00681
391601.01	3784117.16	0.00248939	0.004139582	0.00663
391336.2	3783714.63	0.002486288	0.004370556	0.00686
391040.82	3784115.26	0.00246238	0.003924115	0.00639
391436.26	3783674.81	0.002458317	0.004353057	0.00681
391085.35	3784380.84	0.002461648	0.003688654	0.00615
391626.89	3784052.44	0.002453639	0.004176824	0.00663
391611.04	3784096.09	0.002453432	0.004118931	0.00657
391499.25	3783681.16	0.002449329	0.004340375	0.00679
391404.59	3783681.41	0.002442867	0.004315488	0.00676
391190.94	3784522.03	0.002489096	0.003513255	0.00600
391495.29	3784401.74	0.002448216	0.00359346	0.00604
391662.02	3783855.33	0.002427737	0.004202315	0.00663
391051.49	3784066.4	0.002420278	0.00388665	0.00631
391272.5	3783753.66	0.002419014	0.00423209	0.00665
391621.08	3784075.02	0.002404325	0.00406902	0.00647
391531.43	3784348.29	0.002406543	0.003603857	0.00601
391569.4	3784226.3	0.002399308	0.003784394	0.00618
391071.85	3784352.13	0.002397199	0.003638557	0.00604
391485.2	3784425.36	0.002403739	0.003505017	0.00591
391100.46	3783943.43	0.002389622	0.003932683	0.00632
391655.09	3783985.1	0.002373561	0.004088519	0.00646
391541.05	3784324.85	0.002379603	0.003601147	0.00598
391594.39	3783720.52	0.002360478	0.004139763	0.00650
391030.53	3784217.48	0.002356181	0.003696762	0.00605
391059.5	3784036.76	0.00235313	0.003797777	0.00615

391670.39	3783925.3	0.002341889	0.004048124	0.00639
391550.26	3784301.56	0.002346954	0.003586256	0.00593
391521.44	3784371.87	0.002345252	0.003476566	0.00582
391627.8	3783754.05	0.002329601	0.004061711	0.00639
391163.41	3784513.77	0.002416407	0.003418805	0.00584
391579.58	3784204.9	0.002326568	0.00371507	0.00604
391033.53	3784251.79	0.002319737	0.003617857	0.00594
391069.08	3784011.72	0.002317437	0.003756473	0.00607
391559	3784278.47	0.002313345	0.003570703	0.00588
391674.94	3783887.65	0.002301461	0.003981456	0.00628
391467.53	3783668.04	0.002296962	0.004073989	0.00637
391313.66	3783722.24	0.002302542	0.00404244	0.00634
391032.83	3784281.16	0.002290906	0.003550242	0.00584
391566.55	3784255.83	0.002293776	0.003577342	0.00587
391175.8	3784533.04	0.002325186	0.003288366	0.00561
391647.37	3784028.45	0.002275765	0.00389993	0.00618
391131.18	3784453.7	0.002289284	0.003368786	0.00566
391589.77	3784183.5	0.002266821	0.003664601	0.00593
391021.31	3784200.91	0.002263708	0.0035649	0.00583
391663	3783808.77	0.002261313	0.003921328	0.00618
391668.8	3783970.35	0.002255955	0.003892673	0.00615
391650.17	3783776.7	0.002241199	0.003896011	0.00614
391139.1	3784473.29	0.002294322	0.00339509	0.00563
391118.86	3784442.25	0.00224468	0.003324085	0.00557
391561.52	3783687.22	0.002222239	0.003923117	0.00615
391599.96	3784162.1	0.002221701	0.003635013	0.00586
391675.83	3783840.85	0.002216706	0.003838639	0.00606
391099.58	3784422.97	0.002223437	0.003315502	0.00554
391661.74	3784003.75	0.002207265	0.003797992	0.00601
391610.15	3784140.7	0.00218878	0.003621798	0.00581
391529.99	3783674.17	0.002184448	0.00386913	0.00605
391626.1	3783733.65	0.002182178	0.003813759	0.00600
391013.24	3784174.03	0.002166471	0.003429605	0.00560
391077.13	3783982.72	0.002168224	0.003536076	0.00570
391507.17	3784416.83	0.002173356	0.00319807	0.00537
391620.34	3784119.29	0.002163145	0.003616011	0.00578
391646.61	3784053.75	0.002157389	0.003682858	0.00584
391593.05	3783700.26	0.00215451	0.003789039	0.00594
391013.74	3784227.91	0.002141554	0.003361397	0.00550
391146.52	3784525.02	0.002215124	0.003145473	0.00536
391630.53	3784097.89	0.002132587	0.003596416	0.00573
391280.54	3783736.93	0.002135683	0.003743124	0.00588
391013.5	3784143.95	0.002129417	0.003387514	0.00552
391020.71	3784266.89	0.002129531	0.003319578	0.00545
391687.87	3783919.96	0.002124315	0.00367423	0.00580
391688.66	3783872.92	0.00212172	0.003671992	0.00579
391682.56	3783955.71	0.002121527	0.003665537	0.00579
391640.72	3784076.49	0.002117299	0.003595677	0.00571
391543.91	3784363.15	0.00211964	0.003181751	0.00530
391646.68	3783749.66	0.002110492	0.003678362	0.00579
391553.67	3784339.65	0.002091134	0.003168939	0.00526
391498.47	3783661.13	0.002083257	0.003697186	0.00578
391154.44	3784544.61	0.002126882	0.003018724	0.00515
391087.22	3783959	0.002079767	0.003409533	0.00549
391019.56	3784295.72	0.002068596	0.00320798	0.00528
391538.79	3784384.84	0.00207288	0.003085421	0.00516
391104.68	3783904.51	0.002074307	0.003458909	0.00553
391004.61	3784211.5	0.00205728	0.003240931	0.00530
391588.08	3784229.79	0.002058683	0.003269667	0.00533
391065.74	3784395.93	0.002061605	0.003117564	0.00518
391563.06	3784316.3	0.002058092	0.003148795	0.00521
391676.93	3783794.57	0.00204705	0.003551982	0.00560
391008.59	3784252.62	0.002043874	0.003197902	0.00524
391019.44	3784089.52	0.002036282	0.003267932	0.00530
391123.96	3784484.3	0.002090069	0.003054816	0.00514
391624.58	3783713.31	0.002029571	0.003556193	0.00559
391667.13	3784028.81	0.002029872	0.003485611	0.00552
391689.68	3783826.43	0.002026998	0.003511649	0.00554
391062.47	3783994.59	0.002024022	0.003296993	0.00532
391664.19	3783762.7	0.002020367	0.003514821	0.00554
391572.02	3784293.11	0.002024827	0.003129142	0.00515
391598.4	3784208.1	0.002005401	0.003224122	0.00523
391111.58	3784465.04	0.002024276	0.002998206	0.00502
391435.82	3783654.91	0.001999644	0.003541719	0.00554
391681.02	3784000.89	0.001993874	0.00343653	0.00543
391580.46	3784270.13	0.001996607	0.003117956	0.00511
391026.81	3784061.95	0.001991894	0.003210701	0.00520
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391084.47	3784430.92	0.001996723	0.002995226	0.00499
391560.48	3783667.08	0.001980969	0.003505807	0.00549
391701.5	3783905	0.001980556	0.003427353	0.00541
391007.35	3784281.35	0.001970108	0.003069352	0.00504
391093.84	3783926.28	0.00197571	0.003273754	0.00525
391608.73	3784186.41	0.00196411	0.003196123	0.00516
391702.43	3783858.3	0.001958313	0.003390319	0.00535
391404.34	3783661.6	0.001959233	0.003461341	0.00542
391591.84	3783680.06	0.001955556	0.003448547	0.00540

390996.96	3784238.35	0.001952068	0.003065315	0.00502
390992.86	3784188.43	0.001935729	0.003064557	0.00500
391139.3	3784555.62	0.001977678	0.002815065	0.00479
391619.06	3784164.71	0.001936048	0.00318694	0.00512
391700.79	3783952.27	0.001929173	0.00333597	0.00527
391666.33	3784055.06	0.001928366	0.003299816	0.00523
391091.36	3784452.4	0.001943135	0.002899712	0.00484
391067.95	3784418.52	0.001933111	0.00291679	0.00485
391126.91	3784536.35	0.00200279	0.002859578	0.00486
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391466.94	3783648.08	0.001913322	0.00339555	0.00531
391034.07	3784034.16	0.001912771	0.003098189	0.00501
391694.72	3783986.12	0.001910288	0.003298185	0.00521
391629.38	3784143.02	0.001911356	0.003180571	0.00509
391529.12	3783654.1	0.001907268	0.003384537	0.00529
391639.71	3784121.33	0.001902733	0.00319548	0.00510
390995.13	3784266.97	0.001894446	0.002962456	0.00486
391288.58	3783720.21	0.001892477	0.003320934	0.00521
391650.04	3784099.64	0.001887571	0.003195133	0.00508
391660.36	3784077.95	0.001885172	0.003211089	0.00510
391656.1	3783726.35	0.001880903	0.00328504	0.00517
391006.69	3784310.76	0.0018838	0.002922271	0.00481
390987.91	3784222.07	0.001878424	0.002960197	0.00484
391623.2	3783693.03	0.001874696	0.003293604	0.00517
391003.42	3784101.09	0.001873972	0.003006769	0.00488
391690.88	3783780.4	0.001863471	0.003235507	0.00510
391703.55	3783812.07	0.001856506	0.00321777	0.00507
391715.17	3783890.16	0.001849322	0.003201365	0.00505
391566.37	3784354.42	0.001847938	0.002804059	0.00465
391010.7	3784073.34	0.001834966	0.002956881	0.00479
391678.2	3783748.72	0.00183129	0.00318843	0.00502
391560.55	3784376.39	0.001832783	0.002760218	0.00459
390994.52	3784296.44	0.001826938	0.002844586	0.00467
391686.89	3784029.18	0.001823096	0.003136182	0.00496
391046.14	3784407.27	0.001830304	0.002779027	0.00461
390983.67	3784166.56	0.001821733	0.00289719	0.00472
391714.33	3783937.07	0.001818869	0.003147634	0.00497
391069.57	3783963.11	0.001819062	0.002985552	0.00480
391497.75	3783641.13	0.001812338	0.003219705	0.00503
391089.59	3784476.56	0.001837429	0.00272885	0.00457
391575.92	3784331	0.001815813	0.002781543	0.00460
391551.09	3784399.76	0.001815857	0.002706427	0.00452
391716.22	3783843.75	0.001809446	0.003133577	0.00494
391601.1	3784245.16	0.001810786	0.002876554	0.00469
391064.87	3784442.25	0.001815375	0.002729799	0.00455
390986.33	3784142.42	0.001802942	0.002877877	0.00468
391303.86	3783706.33	0.001806463	0.003173161	0.00498
391055.86	3783977.46	0.001803655	0.002954505	0.00476
391097.51	3784496.15	0.00185905	0.002729677	0.00459
391045.31	3783999.97	0.001799958	0.002934386	0.00473
390980.18	3784248.78	0.001794707	0.002819125	0.00461
391585.08	3784307.75	0.001783927	0.002760191	0.00454
391018.15	3784045.93	0.001774383	0.00287244	0.00465
391654.56	3783706.01	0.001765671	0.003091292	0.00486
391611	3784224.37	0.001769478	0.00284305	0.00461
390982.35	3784282.11	0.001763115	0.002755132	0.00452
390974.99	3784196.88	0.001761265	0.002790428	0.00455
391071.76	3784463.73	0.001776986	0.00265744	0.00443
391593.77	3784284.66	0.001756817	0.002746778	0.00450
391080.62	3783941.88	0.001754004	0.002893073	0.00465
391048.34	3784429.85	0.001759148	0.002659903	0.00442
391435.41	3783635.04	0.001740561	0.003082234	0.00482
391613.67	3783668.71	0.001736091	0.003061492	0.00480
391713.72	3783984.58	0.001734735	0.002998332	0.00473
391620.9	3784203.58	0.001736915	0.002822663	0.00456
391117.87	3784570.13	0.001774899	0.002541383	0.00432
391686.05	3784056.37	0.001731717	0.00296965	0.00470
390987.4	3784112.67	0.00173068	0.00277637	0.00451
390971.19	3784232.63	0.001729766	0.002726672	0.00446
391728.89	3783875.43	0.00172717	0.002990697	0.00472
391087.23	3783909.14	0.001735737	0.002899477	0.00464
391640.63	3783686.28	0.001720876	0.003022633	0.00474
391548.98	3783640.36	0.00172024	0.003054075	0.00477
391727.92	3783922.03	0.001719138	0.002976508	0.00470
391673.78	3783719.06	0.001716986	0.002998685	0.00472
391109.95	3784550.54	0.001793081	0.002579113	0.00437
391466.39	3783628.15	0.001711303	0.003037396	0.00475
391630.8	3784182.78	0.001711663	0.002812672	0.00452
391717.44	3783797.77	0.001704593	0.002955596	0.00466
391586.4	3783650.34	0.001702919	0.003014855	0.00472
391704.83	3783766.25	0.001700712	0.002954911	0.00466
390994.72	3784085.01	0.001701475	0.00274095	0.00444
391640.7	3784161.99	0.001698309	0.002818962	0.00452
391680.3	3784078.81	0.001695665	0.00289625	0.00459
391650.6	3784141.19	0.001693651	0.002836596	0.00453
391660.5	3784120.4	0.00169253	0.002856945	0.00455
391670.4	3784099.6	0.001691479	0.002873927	0.00457

391049.25	3783960.34	0.00169161	0.00279172	0.00448
391404.11	3783641.79	0.001685963	0.002977481	0.00466
391730.04	3783829.28	0.001674498	0.00290081	0.00458
391692.23	3783734.74	0.001667282	0.002905191	0.00457
391047.68	3784453.11	0.001676616	0.002524782	0.00420
391069.99	3784487.9	0.001690571	0.002514594	0.00421
391082.37	3784507.16	0.001730754	0.002542159	0.00427
391727.16	3783969.15	0.001656447	0.002866204	0.00452
391532.44	3783633.04	0.001654393	0.002940075	0.00459
391713.27	3784012.25	0.001650452	0.002848681	0.00450
390963.38	3784259.19	0.00165116	0.00259471	0.00425
391706.65	3784029.54	0.001648084	0.002839668	0.00449
390964.78	3784171.47	0.001645311	0.0026203	0.00427
391001.95	3784057.16	0.001637251	0.002649439	0.00429
391705.15	3783747.44	0.001632171	0.00283973	0.00447
391573.06	3784391.23	0.001633217	0.002463007	0.00410
391054.45	3784473.88	0.001648563	0.002468913	0.00412
391741.57	3783907.11	0.00162505	0.002814491	0.00444
391609.66	3784269.9	0.001620736	0.002562882	0.00418
391515.9	3783625.73	0.001615792	0.002872892	0.00449
391119.97	3783844.38	0.001657749	0.002801941	0.00446
391742.65	3783860.79	0.001611318	0.002790693	0.00440
390957.11	3784205.29	0.001610837	0.00255401	0.00416
391582.3	3784367.93	0.001611236	0.002451547	0.00406
391588.83	3784345.69	0.001610659	0.002470795	0.00408
390971.37	3784124.22	0.00160326	0.002571675	0.00417
390954.2	3784242.7	0.001592389	0.002511218	0.00410
390978.75	3784096.66	0.001581899	0.002547724	0.00413
391619.69	3784248.83	0.001583144	0.002531536	0.00411
391740.67	3783953.89	0.001577519	0.002731803	0.00431
391598.17	3784322.36	0.001581398	0.002449855	0.00403
391691.4	3783713.72	0.001576162	0.002752201	0.00433
391020.57	3784012.84	0.001574072	0.00256609	0.00414
390960.4	3784151.89	0.001572796	0.0025142	0.00409
391563.46	3783626.72	0.001568885	0.002787038	0.00436
391102.73	3784581.14	0.001611051	0.00232501	0.00394
391627.6	3783654.31	0.00156567	0.002763382	0.00433
391705.76	3784057.68	0.001562541	0.002684714	0.00425
391654.45	3783671.63	0.001557537	0.002738336	0.00430
391038.21	3783981.58	0.001555026	0.002549531	0.00410
391607.09	3784299.19	0.001556377	0.002436104	0.00399
391062.95	3783945.96	0.001553694	0.002565728	0.00412
391629.73	3784227.76	0.001551338	0.002509368	0.00406
391745.59	3783815.35	0.001539998	0.002668743	0.00421
391499.37	3783618.42	0.001539318	0.002736905	0.00428
391684.52	3783696.86	0.00153836	0.002691945	0.00423
391600.47	3783636.32	0.001536003	0.002721325	0.00426
390986.03	3784068.92	0.001531276	0.002477055	0.00401
391055.29	3784505.84	0.001573774	0.002334882	0.00391
391699.95	3784080.26	0.001528865	0.002617516	0.00415
391639.76	3784206.69	0.001530364	0.002502652	0.00403
391311.47	3783684.01	0.001530441	0.002690766	0.00422
391755.26	3783892.3	0.001526012	0.002643593	0.00417
391090.34	3784561.88	0.00160498	0.00232489	0.00393
391689.92	3784101.33	0.001523502	0.002595891	0.00412
391679.89	3784122.4	0.001521347	0.00257683	0.00410
391649.79	3784185.62	0.001518521	0.002508963	0.00403
391669.85	3784143.47	0.001517066	0.002551275	0.00407
391731.97	3783764.69	0.001514819	0.002630905	0.00415
391659.82	3784164.55	0.001514801	0.002526392	0.00404
391074.02	3783924.77	0.001514897	0.002516405	0.00403
391063.21	3784525.43	0.001625988	0.002368496	0.00399
391754.24	3783938.79	0.001501127	0.002600819	0.00410
391042.65	3783943.21	0.001504947	0.002501157	0.00401
391034.85	3784485.22	0.001524613	0.002285231	0.00381
391726.41	3784029.91	0.001498337	0.00258541	0.00408
390946.43	3784178.79	0.001497897	0.002387876	0.00389
391718.4	3783731.42	0.00149572	0.002604773	0.00410
391435.03	3783615.17	0.00149693	0.002650464	0.00415
391677.65	3783680	0.001492788	0.002618205	0.00411
391067.41	3783907.66	0.001493832	0.00250527	0.00400
391482.83	3783611.11	0.001484925	0.00263876	0.00412
391739.99	3784001.22	0.001481118	0.002561839	0.00404
391031.59	3783964.41	0.001481096	0.002447103	0.00393
390939.24	3784213.74	0.001475922	0.002341929	0.00382
390954.2	3784132.32	0.00147035	0.002360018	0.00383
390962.64	3784108.08	0.001469581	0.002366488	0.00384
391294.05	3783690.42	0.001468752	0.002581462	0.00405
391466.29	3783603.79	0.001464627	0.002599787	0.00406
391765.34	3783871.38	0.00145856	0.002526882	0.00399
391530.98	3783612.36	0.001453751	0.002586522	0.00404
391765.38	3783853.01	0.001449905	0.002511861	0.00396
391704.84	3783698.15	0.001440649	0.002518131	0.00396
391670.77	3783663.14	0.001438249	0.002528686	0.00397
391765.41	3783834.64	0.00143761	0.002490762	0.00393
391034.91	3784507.21	0.001475789	0.002198868	0.00367
391595.02	3784382.7	0.00144013	0.002194134	0.00363

391002.72	3784021.31	0.001437315	0.002343848	0.00378
390970.09	3784080.65	0.001432391	0.002316389	0.00375
390942.01	3784159.01	0.001431507	0.002290637	0.00372
391403.88	3783621.99	0.001428589	0.00252255	0.00395
391753.42	3783985.76	0.001425283	0.002468065	0.00389
391641.56	3783640.02	0.001424172	0.002515684	0.00394
391767.86	3783923.82	0.001424323	0.002468596	0.00389
391628.25	3784273.6	0.001424613	0.00226752	0.00369
391056.33	3783928.8	0.001424792	0.002372505	0.00380
391725.48	3784058.99	0.001419213	0.002442646	0.00386
391765.35	3783815.28	0.001416486	0.002454816	0.00387
391042.82	3784526.8	0.001494188	0.00219943	0.00369
391604.06	3784359.48	0.001417815	0.002180309	0.00360
391698.05	3783681.51	0.001407455	0.002465341	0.00387
391611.3	3784336.97	0.001410011	0.002186884	0.00360
391751.89	3783765.01	0.001399579	0.002430032	0.00383
391614.56	3783622.35	0.001392595	0.002468951	0.00386
391638.4	3784252.27	0.00139503	0.002245908	0.00364
391738.48	3783732.13	0.001389214	0.002417772	0.00381
391719.61	3784081.69	0.001388869	0.002382804	0.00377
391561.89	3783605.99	0.00138516	0.002464553	0.00385
391620.42	3784313.72	0.001387975	0.00217443	0.00356
391709.46	3784103.02	0.001382445	0.002361537	0.00374
391663.9	3783646.27	0.001378856	0.002430271	0.00381
391648.55	3784230.95	0.001375298	0.002238366	0.00361
390977.33	3784052.83	0.001373313	0.002231336	0.00360
391699.31	3784124.34	0.001373023	0.002332927	0.00371
391049.71	3783911.64	0.001375864	0.002309443	0.00369
390928.1	3784186.17	0.001371247	0.002188118	0.00356
391689.15	3784145.66	0.001370955	0.002313963	0.00368
391766.91	3783970.47	0.001369548	0.002373442	0.00374
391746.16	3784030.27	0.001368224	0.002363968	0.00373
391023.48	3784515.95	0.00141083	0.002100857	0.00351
391012.86	3784499.22	0.001401475	0.002099543	0.00350
391658.7	3784209.63	0.001365101	0.002244774	0.00361
391679	3784166.98	0.00136347	0.002283835	0.00365
391335.8	3783655.34	0.001362951	0.002397974	0.00376
391668.85	3784188.31	0.001361718	0.002260962	0.00362
391013.18	3783994.91	0.001361444	0.002231196	0.00359
391024.96	3783947.24	0.001358325	0.002260304	0.00362
391036.04	3783926.08	0.001359153	0.00227382	0.00363
390937.58	3784139.24	0.001354135	0.002175253	0.00353
391449.75	3783596.48	0.001349711	0.002392663	0.00374
391725.08	3783699.25	0.001348377	0.002354524	0.00370
391031.4	3784535.54	0.001437755	0.002111903	0.00355
391100.66	3783844.22	0.001363506	0.002318887	0.00368
391760.37	3784004.14	0.001344435	0.002327572	0.00367
391498.51	3783598	0.001343921	0.002390452	0.00373
391785.1	3783871.42	0.001339359	0.002321069	0.00366
391785.06	3783889.79	0.001337861	0.00231886	0.00366
390953.92	3784091.93	0.001336349	0.002160717	0.00350
391785.14	3783853.05	0.001333556	0.002310814	0.00364
391785.02	3783908.16	0.001330727	0.002306979	0.00364
391785.18	3783834.68	0.001324153	0.002294544	0.00362
391684.49	3783648.24	0.001316781	0.002317275	0.00363
390984.86	3784029.78	0.001315902	0.002146592	0.00346
391657.02	3783629.41	0.001313467	0.00232073	0.00363
391780.47	3783955.33	0.00131263	0.002276043	0.00359
391784.99	3783936.26	0.001309798	0.002271275	0.00358
390923.71	3784166.58	0.001308945	0.00209647	0.00341
391785.11	3783815.21	0.001305812	0.002263212	0.00357
391765.16	3783749.02	0.001298883	0.002256734	0.00356
391529.91	3783591.85	0.00129841	0.002311969	0.00361
391778.42	3783781.56	0.001294312	0.002245125	0.00354
391592.26	3783599.38	0.001293724	0.002300947	0.00359
391745.2	3784060.3	0.001293499	0.00222978	0.00352
391711.67	3783666.37	0.001291934	0.002265153	0.00356
391048.99	3784584.83	0.001369099	0.001991971	0.00336
390961.44	3784064.64	0.001288689	0.002092871	0.00338
391636.67	3784298.62	0.001289248	0.002042768	0.00333
391113.34	3783827.21	0.0013056	0.002230418	0.00354
391751.89	3783716.48	0.001280943	0.002231251	0.00351
391084.8	3783852.97	0.001289502	0.002191683	0.00348
391466.03	3783583.64	0.001275434	0.002263913	0.00354
391628.67	3783608.4	0.001273888	0.002259953	0.00353
391739.27	3784083.12	0.001270581	0.002183948	0.00345
391056.91	3784604.42	0.001316747	0.001922763	0.00324
391616.98	3784374.17	0.001272826	0.001959244	0.00323
391301.66	3783668.11	0.00127031	0.002234376	0.00350
390933.15	3784119.46	0.001266794	0.002043123	0.00331
391016.27	3784546.55	0.001369575	0.002006104	0.00338
391003.88	3784527.29	0.001319279	0.001962772	0.00328
390993.26	3784510.56	0.001322523	0.001973447	0.00330
391729.01	3784104.67	0.001262866	0.002162156	0.00343
391646.93	3784277.07	0.001261852	0.002022202	0.00328
391765.92	3784030.64	0.001255102	0.002171137	0.00343
391625.81	3784351.03	0.001255536	0.001949957	0.00321

391718.75	3784126.22	0.001251571	0.002132389	0.00338
391650.15	3783612.55	0.001244748	0.002204478	0.00345
391738.62	3783683.94	0.001242419	0.002171532	0.00341
391657.19	3784255.52	0.001243991	0.002014722	0.00326
391633.76	3784328.24	0.001244544	0.001951563	0.00320
391708.49	3784147.77	0.001241187	0.002102184	0.00334
390994.97	3784002.6	0.001241132	0.002034818	0.00328
391698.23	3784169.32	0.001240086	0.002084941	0.00333
390919.32	3784146.98	0.001239088	0.001992158	0.00323
391804.86	3783871.46	0.001234206	0.002139504	0.00337
391804.82	3783889.83	0.001233942	0.00213952	0.00337
391667.45	3784233.97	0.001233107	0.002018013	0.00325
391804.9	3783853.09	0.001230003	0.002131915	0.00336
391687.97	3784190.87	0.001230577	0.002052488	0.00328
391677.71	3784212.42	0.001228546	0.00203062	0.00326
391804.79	3783908.2	0.001225331	0.002125146	0.00335
391018.34	3783930.08	0.001227965	0.002056154	0.00328
391433.21	3783589.17	0.001224217	0.002166921	0.00339
391804.94	3783834.72	0.001222515	0.002118808	0.00334
391403.67	3783602.2	0.001220462	0.002154712	0.00338
391804.88	3783815.15	0.001208729	0.002095163	0.00330
391791.67	3783765.52	0.001207138	0.002095035	0.00330
391560.69	3783585.42	0.001206934	0.002149944	0.00336
391054.21	3783873.43	0.001212939	0.002056066	0.00327
391778.53	3783733.29	0.00120617	0.002097145	0.00330
391698.27	3783633.49	0.001206047	0.002124317	0.00333
391804.75	3783936.26	0.001205755	0.002091944	0.00330
390945.19	3784075.79	0.00120653	0.001959017	0.00317
391670.92	3783614.97	0.001202589	0.002126483	0.00333
391029.39	3784596.16	0.001282995	0.001867848	0.00315
391793.07	3783986.84	0.001199596	0.002080563	0.00328
391041.78	3784615.43	0.001244301	0.001819354	0.00306
391802.68	3783956.05	0.001194696	0.002072932	0.00327
391497.92	3783577.71	0.001191826	0.00212033	0.00331
391125.46	3783808.75	0.00121675	0.002088554	0.00331
391725.36	3783651.4	0.001188219	0.002085235	0.00327
390965.82	3784035.08	0.001188424	0.001941166	0.00313
391764.92	3784061.61	0.001186996	0.002049103	0.00324
391765.39	3783701.05	0.001185029	0.002065906	0.00325
391008.37	3783976.33	0.001186626	0.001955374	0.00314
391785.92	3784017.99	0.001179576	0.002043781	0.00322
391643.27	3783595.69	0.001178725	0.002092099	0.00327
390928.72	3784099.68	0.001175274	0.001903451	0.00308
391029.43	3783908.95	0.00117505	0.001979212	0.00315
391591	3783578.79	0.001165212	0.002075507	0.00324
391067.38	3783857.7	0.001169573	0.001989223	0.00316
390914.93	3784127.39	0.001159961	0.001872247	0.00303
391758.94	3784084.53	0.001157544	0.001993157	0.00315
391748.58	3784106.29	0.001156982	0.001984986	0.00314
391529.12	3783571.46	0.001155328	0.002058287	0.00321
391752.25	3783668.81	0.001148047	0.002008351	0.00316
391738.22	3784128.05	0.001148599	0.001961736	0.00311
391655.35	3784302.12	0.001147253	0.001829934	0.00298
391824.62	3783871.5	0.001140845	0.001978269	0.00312
391824.59	3783889.87	0.001139146	0.001975857	0.00312
391824.66	3783853.13	0.001138887	0.001974492	0.00311
390976.76	3784010.28	0.00113795	0.001866512	0.00300
391727.86	3784149.81	0.001136123	0.001929921	0.00307
391824.55	3783908.24	0.001133832	0.001967236	0.00310
391824.7	3783834.76	0.001132764	0.001963661	0.00310
391010.8	3784603.22	0.001225659	0.001781268	0.00301
391785.44	3784044.01	0.001130066	0.001955743	0.00309
391638.95	3784365.64	0.001132261	0.001759815	0.00289
391665.71	3784280.36	0.001131196	0.001822947	0.00295
391805.03	3783749.74	0.001128208	0.001959107	0.00309
391717.51	3784171.57	0.001128166	0.001903843	0.00303
391824.64	3783815.08	0.001122859	0.001946554	0.00307
391792	3783717.77	0.001121219	0.001950851	0.00307
391818.06	3783781.7	0.001121104	0.001944444	0.00307
391707.15	3784193.33	0.001121557	0.001878232	0.00300
391094.05	3783827.09	0.001131927	0.001942083	0.00307
391814.26	3783973.51	0.001118942	0.001942264	0.00306
391018.72	3784622.81	0.001169861	0.001711967	0.00288
391676.07	3784258.6	0.001119779	0.0018236	0.00294
391647.56	3784342.58	0.001119211	0.001757048	0.00288
391824.51	3783936.26	0.001115556	0.001936365	0.00305
391696.79	3784215.09	0.001115194	0.001851842	0.00297
391465.94	3783563.56	0.001113724	0.001976751	0.00309
391686.43	3784236.84	0.001114843	0.001833909	0.00295
391712.09	3783618.87	0.001109073	0.001955112	0.00306
391684.86	3783600.61	0.001106147	0.001957376	0.00306
391822.46	3783956.02	0.001105289	0.001918884	0.00302
391416.68	3783581.85	0.001102904	0.001949094	0.00305
391778.96	3783685.8	0.00110129	0.001921496	0.00302
391619.75	3783571.46	0.001097354	0.001953949	0.00305
391739.1	3783636.58	0.001096296	0.001925604	0.00302
391784.64	3784062.92	0.001093672	0.001890478	0.00298

390947.97	3784043.55	0.001092024	0.001784245	0.00288
391805.68	3784018.35	0.001089689	0.001889772	0.00298
391036.47	3783877.33	0.001092412	0.001853985	0.00295
390990.2	3783984.14	0.001085598	0.001789154	0.00287
391657.36	3783581.69	0.001083597	0.001924388	0.00301
391559.77	3783564.98	0.001082056	0.001929157	0.00301
390910.55	3784107.8	0.001079657	0.001749777	0.00283
390924.29	3784079.9	0.001076755	0.001751393	0.00283
391603.09	3783564.1	0.001074335	0.001914872	0.00299
391078.17	3783835.79	0.001078838	0.001848999	0.00293
391778.82	3784085.5	0.001069021	0.001843695	0.00291
391106.72	3783810.04	0.001079131	0.001859855	0.00294
391433.56	3783569.28	0.00106536	0.001885497	0.00295
391765.93	3783653.84	0.001063884	0.001862729	0.00293
391768.79	3784106.57	0.001061506	0.001825057	0.00289
390991.2	3784614.55	0.001153132	0.001675624	0.00283
391497.54	3783557.5	0.001057814	0.001882045	0.00294
391003.58	3784633.82	0.001107338	0.001622324	0.00273
391758.76	3784127.64	0.001051758	0.00180132	0.00285
391011.71	3783912.91	0.001053961	0.001777	0.00283
391586.44	3783556.74	0.001050216	0.00187309	0.00292
390958.55	3784017.93	0.001047433	0.001718972	0.00277
391805.2	3784044.37	0.001045741	0.001811791	0.00286
391748.73	3784148.71	0.001043206	0.00177831	0.00282
391668.47	3784317.29	0.001040191	0.001659311	0.00270
391738.7	3784169.79	0.001036443	0.001756745	0.00279
391138.11	3783779.57	0.001055866	0.001828635	0.00288
391528.55	3783551.17	0.00103335	0.001841565	0.00287
391337.43	3783618.24	0.001030381	0.001812921	0.00284
391728.66	3784190.86	0.001029097	0.001732764	0.00276
391398.46	3783581.26	0.00102674	0.00181157	0.00284
391678.5	3784296.22	0.001027555	0.001655148	0.00268
391725.96	3783604.34	0.001021787	0.001802667	0.00282
391718.63	3784211.93	0.001022306	0.001708377	0.00273
391698.83	3783586.33	0.00101931	0.001804945	0.00282
391688.54	3784275.14	0.001018914	0.00165763	0.00268
391708.6	3784233	0.001016323	0.001684508	0.00270
391698.57	3784254.07	0.001015259	0.001667616	0.00268
391752.9	3783621.87	0.00101164	0.001778404	0.00279
391804.36	3784064.23	0.001011626	0.001750742	0.00276
391660.91	3784357.1	0.001013352	0.001592787	0.00261
390978.24	3784624.21	0.001098628	0.001598507	0.00270
390930.11	3784052.02	0.00100918	0.00164952	0.00266
391671.46	3783567.73	0.001002366	0.001781147	0.00278
390972.02	3783991.94	0.001002117	0.001652043	0.00265
391617.71	3783550.53	0.000998632	0.001780823	0.00278
390986.16	3784643.81	0.001049573	0.001538644	0.00259
391047.61	3783856.32	0.001001616	0.001708717	0.00271
391569.78	3783549.37	0.000996289	0.001777322	0.00277
390906.16	3784088.21	0.000995839	0.001620796	0.00262
391798.49	3784086.91	0.000989537	0.001708991	0.00270
391788.36	3784108.19	0.000982766	0.001692482	0.00268
391465.97	3783543.54	0.00098228	0.00174324	0.00273
391060.77	3783840.56	0.000986973	0.001692042	0.00268
390998.44	3783950.04	0.00098142	0.001633095	0.00261
391146.32	3783762.48	0.000994431	0.001730922	0.00273
390996.13	3783928.68	0.000979237	0.001646161	0.00263
391778.24	3784129.46	0.000972561	0.001668987	0.00264
391322.58	3783618.79	0.000970929	0.001708399	0.00268
391553.13	3783542.01	0.000969146	0.001728789	0.00270
390940.34	3784025.61	0.000968316	0.001590061	0.00256
391768.11	3784150.73	0.000960669	0.001641494	0.00260
391433.96	3783549.42	0.0009558	0.001691335	0.00265
391676.95	3784342.2	0.000953293	0.001514338	0.00247
391757.98	3784172.01	0.000951735	0.001617868	0.00257
390958.64	3784635.55	0.001039331	0.001511192	0.00255
390971.02	3784654.81	0.000997383	0.001463377	0.00246
391739.86	3783589.9	0.000947322	0.001672522	0.00262
391747.85	3784193.28	0.000947388	0.001600474	0.00255
391712.82	3783572.11	0.000945337	0.001675053	0.00262
391584.85	3783536	0.000943039	0.001683347	0.00263
391497.32	3783537.37	0.000942767	0.001677287	0.00262
391536.48	3783534.64	0.000942252	0.001680084	0.00262
391687.08	3784320.93	0.000940781	0.001508877	0.00245
391737.72	3784214.56	0.000937278	0.001572548	0.00251
391087.45	3783809.96	0.00094384	0.001630918	0.00257
391727.6	3784235.83	0.000932963	0.00155278	0.00249
391697.21	3784299.65	0.000932859	0.001510627	0.00244
391685.56	3783553.79	0.00093026	0.00165391	0.00258
391632.28	3783536.93	0.000930323	0.001659776	0.00259
391330.28	3783607.79	0.000930889	0.001637831	0.00257
391707.34	3784278.38	0.000929049	0.00151892	0.00245
391717.47	3784257.1	0.000928528	0.001532308	0.00246
391016.21	3783874.69	0.000928564	0.001581567	0.00251
390952.8	3784000.19	0.000924596	0.001524862	0.00245
391154.54	3783745.4	0.000926426	0.001618558	0.00254
391118.39	3783778.33	0.000920041	0.001599668	0.00252

390972.63	3783973.98	0.000910215	0.001507432	0.00242
391029.85	3783860.17	0.00091107	0.001555093	0.00247
391519.82	3783527.28	0.000907007	0.001615984	0.00252
390945	3784646.22	0.000987993	0.00143903	0.00243
391399.1	3783561.51	0.000902537	0.001592237	0.00249
391071.54	3783818.61	0.000904531	0.001561094	0.00247
390952.92	3784665.81	0.000944231	0.001386411	0.00233
390922.13	3784033.3	0.000892449	0.00146611	0.00236
391466.09	3783523.56	0.000890831	0.001580683	0.00247
391599.8	3783522.57	0.000890004	0.001589558	0.00248
391341.01	3783595.14	0.000890315	0.001566427	0.00246
391551.99	3783521.47	0.000883226	0.001576023	0.00246
391726.83	3783557.94	0.000879771	0.001559799	0.00244
391662.86	3783530.42	0.000878849	0.001567103	0.00245
391503.17	3783519.92	0.000867028	0.001543071	0.00241
391434.4	3783529.58	0.00086637	0.001532986	0.00240
391699.68	3783539.87	0.000865696	0.001539883	0.00241
391162.75	3783728.32	0.000871325	0.001525533	0.00240
390979.37	3783955.2	0.000865851	0.001440927	0.00231
390935.55	3784007.12	0.000860999	0.001420708	0.00228
390925.39	3784657.55	0.000934227	0.001361433	0.00230
391630.72	3783516.21	0.000853926	0.001525248	0.00238
390937.78	3784676.82	0.000900147	0.001322808	0.00222
391041	3783839.21	0.000856418	0.001472108	0.00233
391126.59	3783761.27	0.000861333	0.001502544	0.00236
390977.06	3783933.84	0.000845569	0.001421608	0.00227
391486.52	3783512.55	0.000842754	0.001497901	0.00234
390899.97	3784050.8	0.000841916	0.001381636	0.00222
391327.8	3783594.03	0.000840583	0.001478961	0.00232
391054.15	3783823.42	0.000836168	0.001443251	0.00228
391567.33	3783508.21	0.000821722	0.001467262	0.00229
391469.86	3783505.19	0.000819485	0.001454374	0.00227
391519.13	3783506.94	0.000817072	0.001455664	0.00227
391170.96	3783711.24	0.000818275	0.001434426	0.00225
391598.59	3783502	0.000813313	0.001453505	0.00227
391661.27	3783509.68	0.000812415	0.001450699	0.00226
390946.14	3783983.39	0.000811482	0.001345052	0.00216
391713.8	3783525.97	0.000807723	0.001437464	0.00225
391134.78	3783744.22	0.000809799	0.001415984	0.00223
391098.66	3783777.09	0.000806004	0.001404254	0.00221
390917.37	3784014.9	0.000799645	0.001319949	0.00212
391009.6	3783857.57	0.000791084	0.001355196	0.00215
391629.43	3783495.6	0.000786168	0.001405503	0.00219
391023.23	3783843.01	0.000784176	0.001348369	0.00213
390977.12	3783915.12	0.000778713	0.001317945	0.00210
391534.85	3783493.85	0.00077589	0.001383604	0.00216
390960.3	3783960.41	0.000776809	0.0012932	0.00207
391434.87	3783509.75	0.000772053	0.001365831	0.00214
391691.5	3783503.01	0.00076848	0.001371472	0.00214
391064.91	3783801.43	0.00077071	0.001337927	0.00211
391142.98	3783727.16	0.0007705	0.001349602	0.00212
391486.27	3783492.41	0.000764403	0.001358341	0.00212
391453.21	3783497.83	0.000763855	0.001353601	0.00212
391179.18	3783694.16	0.000763196	0.001339261	0.00210
391106.85	3783760.06	0.000761518	0.001330547	0.00209
391566.45	3783487.79	0.000754213	0.001347021	0.00210
390899.61	3784024.84	0.000753571	0.001243688	0.00200
390927.26	3783989.21	0.000753349	0.001250085	0.00200
391659.92	3783489.04	0.000751923	0.00134423	0.00210
391597.59	3783481.52	0.000746498	0.001334726	0.00208
391034.4	3783822.09	0.000734097	0.001269778	0.00200
390991.84	3783861.41	0.000730808	0.001253841	0.00198
391151.18	3783710.11	0.000731211	0.001282097	0.00201
391187.39	3783677.08	0.000728454	0.001279887	0.00201
391628.35	3783475.08	0.000725232	0.001297469	0.00202
391502.38	3783479.49	0.000723383	0.001287012	0.00201
391115.04	3783743.03	0.000723309	0.00126635	0.00199
391047.54	3783806.27	0.000717749	0.001245987	0.00196
390941.23	3783965.58	0.00071275	0.001187604	0.00190
391078.94	3783775.84	0.000712845	0.00124388	0.00196
391534.31	3783473.58	0.000703697	0.001254778	0.00196
391159.38	3783693.06	0.000699882	0.001228377	0.00193
391565.75	3783467.44	0.000695674	0.001242605	0.00194
391436.55	3783490.46	0.00069596	0.001231126	0.00193
390908.37	3783995.04	0.000687425	0.00114121	0.00183
391123.22	3783726	0.000690149	0.001209842	0.00190
391453.41	3783477.88	0.000685484	0.001214422	0.00190
391002.99	3783840.44	0.000683229	0.001177929	0.00186
391195.6	3783659.99	0.000680999	0.00119798	0.00188
390957.98	3783939.01	0.000678994	0.001137957	0.00182
390977.19	3783896.39	0.000678996	0.001156041	0.00184
391016.61	3783825.86	0.000677665	0.001172541	0.00185
391596.78	3783461.12	0.00067249	0.001202657	0.00188
391087.11	3783758.83	0.00067725	0.00118477	0.00186
391469.9	3783465.13	0.000668292	0.001185593	0.00185
391167.58	3783676	0.000666153	0.001170334	0.00184
390922.16	3783970.78	0.000663204	0.001106436	0.00177

391502.18	3783459.37	0.000659091	0.001172374	0.00183
391131.41	3783708.97	0.000660336	0.00115855	0.00182
391565.2	3783447.16	0.00064594	0.00115382	0.00180
391095.29	3783741.82	0.000646143	0.001132428	0.00178
391533.91	3783453.36	0.000641685	0.001144031	0.00179
391027.8	3783804.98	0.000637314	0.001108273	0.00175
391175.78	3783658.95	0.000635196	0.001117268	0.00175
391059.21	3783774.6	0.000634993	0.001109567	0.00174
391203.81	3783642.91	0.000633017	0.001115023	0.00175
391139.6	3783691.94	0.000632517	0.001110491	0.00174
390985.22	3783844.24	0.000629902	0.001086059	0.00172
391227.9	3783617.18	0.000627364	0.001106959	0.00173
390938.91	3783944.18	0.000620754	0.001040766	0.00166
391103.47	3783724.82	0.000619123	0.001086264	0.00171
390958.05	3783920.36	0.000613397	0.001034287	0.00165
390903.09	3783975.96	0.000611562	0.001021141	0.00163
391502.08	3783439.29	0.000607527	0.001080426	0.00169
391147.79	3783674.91	0.000605911	0.001064563	0.00167
391067.38	3783757.61	0.000605824	0.001061025	0.00167
391183.98	3783641.9	0.000602966	0.001061897	0.00166
391533.63	3783433.2	0.000599195	0.001068138	0.00167
390996.39	3783823.31	0.000596962	0.001035237	0.00163
391212.03	3783625.83	0.000596278	0.001051586	0.00165
391111.65	3783707.81	0.000594969	0.001044578	0.00164
391009.99	3783808.7	0.000592074	0.001029932	0.00162
391239.45	3783593.42	0.000582381	0.001028343	0.00161
391155.98	3783657.88	0.000580796	0.001021464	0.00160
390919.83	3783949.33	0.000578746	0.000971289	0.00155
391075.55	3783740.62	0.000580565	0.001018476	0.00160
391119.83	3783690.8	0.000572548	0.001005675	0.00158
391192.18	3783624.84	0.0005708	0.001006514	0.00158
391039.49	3783773.36	0.000570187	0.000997657	0.00157
391502.06	3783419.24	0.000562073	0.000999372	0.00156
390938.97	3783925.6	0.000558103	0.000940932	0.00150
391164.16	3783640.85	0.000557261	0.000981287	0.00154
391083.72	3783723.63	0.000558121	0.000980099	0.00154
390900.76	3783954.5	0.000554834	0.000932939	0.00149
390978.6	3783827.07	0.000554829	0.000962398	0.00152
390958.31	3783845.78	0.000552987	0.000955906	0.00151
391128	3783673.79	0.000550792	0.000967927	0.00152
390958.11	3783901.72	0.000549141	0.000931482	0.00148
391047.65	3783756.38	0.000544915	0.000955541	0.00150
391203.93	3783606.48	0.00054108	0.000955527	0.00150
391221.69	3783599.95	0.000539372	0.000952556	0.00149
391091.89	3783706.64	0.000538194	0.000945626	0.00148
391136.18	3783656.78	0.00053271	0.000936935	0.00147
391172.35	3783623.82	0.000530083	0.000934558	0.00146
390958.18	3783883.07	0.000529251	0.000905275	0.00143
390989.78	3783806.18	0.000527296	0.000919128	0.00145
391243.84	3783572.29	0.000524497	0.000926473	0.00145
391055.81	3783739.41	0.000524102	0.000920282	0.00144
391003.37	3783791.54	0.000523207	0.000914178	0.00144
390919.9	3783930.65	0.000519488	0.000876385	0.00140
391100.06	3783689.64	0.000519812	0.000913601	0.00143
391019.76	3783772.12	0.000514804	0.00090198	0.00142
391144.36	3783639.77	0.000513915	0.000904902	0.00142
390939.17	3783869.87	0.000508513	0.000876515	0.00139
390900.82	3783935.88	0.000506134	0.000855728	0.00136
391063.97	3783722.43	0.000505567	0.000888585	0.00139
390939.04	3783907.02	0.000502761	0.000852542	0.00136
391108.23	3783672.65	0.000502282	0.000883051	0.00139
391180.54	3783606.79	0.000501391	0.000884995	0.00139
390958.37	3783827.14	0.000501407	0.000871017	0.00137
391272.99	3783542.05	0.000499528	0.000881165	0.00138
391226.11	3783578.81	0.000493659	0.000872477	0.00137
391208.37	3783585.33	0.000492983	0.0008713	0.00136
390971.97	3783809.91	0.000493234	0.000860241	0.00135
391027.92	3783755.15	0.000493649	0.00086654	0.00136
391152.54	3783622.76	0.000492173	0.000867611	0.00136
391072.13	3783705.46	0.000488844	0.000859599	0.00135
391255.28	3783548.57	0.000485809	0.000857791	0.00134
391116.4	3783655.66	0.000485132	0.000853273	0.00134
391190.64	3783591.86	0.000483247	0.000853834	0.00134
390939.1	3783888.45	0.000482273	0.000824334	0.00131
390920.16	3783855.92	0.00047991	0.000829451	0.00131
391036.07	3783738.19	0.000475335	0.000835475	0.00131
391080.3	3783688.48	0.000473606	0.000832954	0.00131
391124.57	3783638.67	0.000471963	0.000830944	0.00130
390919.96	3783911.97	0.000469615	0.000796706	0.00127
391160.72	3783605.75	0.000469986	0.000829497	0.00130
390939.3	3783832.72	0.000469615	0.000815608	0.00129
390983.17	3783789.05	0.000469522	0.000821701	0.00129
390920.09	3783874.61	0.000467532	0.000805897	0.00127
391000.04	3783770.87	0.00046682	0.00081892	0.00129
391237.57	3783555.08	0.000462231	0.000817021	0.00128
391280.83	3783519.65	0.000460469	0.000811611	0.00127
391044.23	3783721.23	0.000460106	0.000809424	0.00127

391088.46	3783671.51	0.000459169	0.000807674	0.00127
390900.89	3783917.27	0.000457607	0.000777757	0.00124
391132.74	3783621.68	0.000454502	0.000801011	0.00126
390920.03	3783893.29	0.000450579	0.000770373	0.00122
390901.08	3783861.41	0.000449455	0.0007766	0.00123
391008.19	3783753.92	0.000449807	0.000790549	0.00124
391202.14	3783568.11	0.000448351	0.000793087	0.00124
391263.14	3783526.16	0.000447947	0.000790533	0.00124
391052.38	3783704.27	0.000447374	0.000787505	0.00123
390900.95	3783898.65	0.000446023	0.000763881	0.00121
391168.89	3783588.74	0.000445733	0.000787559	0.00123
391219.86	3783561.6	0.000444601	0.000786322	0.00123
391096.62	3783654.53	0.00044491	0.000782771	0.00123
390901.02	3783880.03	0.000438016	0.000754862	0.00119
391184.43	3783574.63	0.000437724	0.000774096	0.00121
391140.91	3783604.69	0.000436121	0.000769491	0.00121
391302.79	3783492.07	0.000434603	0.000764816	0.00120
391060.54	3783687.31	0.000434848	0.000765532	0.00120
391016.34	3783736.98	0.000434569	0.000764744	0.00120
391104.78	3783637.56	0.000432603	0.000761554	0.00119
391245.44	3783532.67	0.000431181	0.000761914	0.00119
390965.35	3783792.74	0.000431677	0.000756943	0.00119
390980.34	3783769.59	0.000425888	0.000748124	0.00117
391285.11	3783498.57	0.000422716	0.000744738	0.00117
391068.69	3783670.35	0.000422546	0.000743827	0.00117
391024.49	3783720.03	0.000421205	0.000741744	0.00116
391112.94	3783620.58	0.000419223	0.00073864	0.00116
391149.07	3783587.7	0.000416068	0.000734939	0.00115
391210.06	3783545.69	0.000413825	0.000732456	0.00115
391267.43	3783505.07	0.000411592	0.000726099	0.00114
391076.85	3783653.39	0.000411157	0.000723834	0.00113
391032.64	3783703.08	0.00040921	0.000720907	0.00113
391227.75	3783539.18	0.000407697	0.000721229	0.00113
390901.15	3783842.79	0.000405616	0.000705424	0.00111
391192.36	3783552.19	0.000405137	0.000717213	0.00112
391121.11	3783603.6	0.000402552	0.000709915	0.00111
391249.75	3783511.57	0.000399018	0.000704879	0.00110
391085	3783636.43	0.000399097	0.00070274	0.00110
391040.78	3783686.13	0.000398867	0.000702802	0.00110
391174.67	3783558.7	0.000396334	0.000701486	0.00110
391157.24	3783570.71	0.000396072	0.000700405	0.00110
391314.1	3783468.39	0.000391805	0.000689189	0.00108
391048.93	3783669.18	0.000389143	0.000685589	0.00107
391093.16	3783619.46	0.000387394	0.00068248	0.00107
391129.27	3783586.63	0.000386313	0.000682054	0.00107
391232.08	3783518.07	0.000382505	0.000676614	0.00106
391296.43	3783474.89	0.000380814	0.000670437	0.00105
391057.08	3783652.23	0.000380427	0.000670262	0.00105
391214.4	3783524.58	0.000376877	0.000667272	0.00104
391196.72	3783531.08	0.000373325	0.000661323	0.00103
391101.31	3783602.5	0.000373055	0.000657636	0.00103
391278.77	3783481.38	0.000370507	0.000653063	0.00102
391137.43	3783569.65	0.000370695	0.000655316	0.00103
391065.23	3783635.28	0.000370356	0.000652482	0.00102
391339.51	3783439.53	0.00036708	0.000645441	0.00101
391179.04	3783537.58	0.000366255	0.000648889	0.00102
391109.47	3783585.54	0.000361446	0.000637923	0.00100
391386.69	3783383.15	0.000359497	0.000632693	0.00099
391073.38	3783618.33	0.000359409	0.00063328	0.00099
391161.36	3783544.08	0.000358588	0.000635104	0.00099
391261.11	3783487.88	0.000357287	0.000630718	0.00099
391145.59	3783552.68	0.000354979	0.000628267	0.00098
391321.85	3783446.02	0.000354323	0.000623177	0.00098
391304.2	3783452.52	0.000349537	0.000615076	0.00096
391353.88	3783414.73	0.000349272	0.00061411	0.00096
391117.62	3783568.58	0.000348594	0.000616011	0.00096
391243.44	3783494.38	0.000347944	0.000615079	0.00096
391081.53	3783601.38	0.000347126	0.00061184	0.00096
391208.12	3783507.37	0.000345335	0.000611775	0.00096
391225.78	3783500.87	0.000342371	0.000605997	0.00095
391190.46	3783513.87	0.000342191	0.000606601	0.00095
391336.02	3783421.3	0.000341703	0.000600679	0.00094
391286.55	3783459.01	0.000340685	0.000600145	0.00094
391358.14	3783393.65	0.000340099	0.000597813	0.00094
391089.68	3783584.44	0.000338272	0.000596869	0.00094
391318.16	3783427.87	0.000337629	0.000593591	0.00093
391172.79	3783520.36	0.000336673	0.000596936	0.00093
391125.78	3783551.62	0.000335392	0.000593437	0.00093
391300.29	3783434.44	0.000334364	0.000588187	0.00092
391340.29	3783400.21	0.000333016	0.000585168	0.00092
391268.9	3783465.5	0.000333013	0.000587373	0.00092
391054.57	3783615.19	0.000333164	0.000587232	0.00092
391251.25	3783471.99	0.000331906	0.000586186	0.00092
391233.6	3783478.48	0.000331468	0.000586246	0.00092
391155.13	3783526.86	0.000331193	0.000587135	0.00092
390993.56	3783699.81	0.000330748	0.000584602	0.00092
391215.95	3783484.97	0.000328515	0.000581848	0.00091

391097.83	3783567.49	0.000327716	0.000578893	0.00091
391010.04	3783665.54	0.00032584	0.000575494	0.00090
391001.8	3783682.68	0.000325745	0.000575549	0.00090
391282.43	3783441.01	0.000324765	0.000571931	0.00090
391137.47	3783533.36	0.000324649	0.000575206	0.00090
391018.28	3783648.41	0.000324569	0.000572593	0.00090
391198.3	3783491.47	0.000323208	0.000573079	0.00090
391322.45	3783406.78	0.000322649	0.000567011	0.00089
391062.82	3783598.04	0.000323241	0.00056987	0.00089
391264.56	3783447.58	0.000318561	0.000561793	0.00088
391180.65	3783497.96	0.000317738	0.00056375	0.00088
391105.98	3783550.54	0.000316988	0.000560665	0.00088
391071.06	3783580.88	0.000315925	0.000557445	0.00087
391304.61	3783413.34	0.000314241	0.000552562	0.00087
390910.5	3783793.44	0.000313084	0.000550354	0.00086
391163	3783504.45	0.000311606	0.000552971	0.00086
390919.39	3783777.24	0.000307542	0.000541825	0.00085
391145.35	3783510.94	0.000306814	0.000544448	0.00085
391286.77	3783419.9	0.000306141	0.000538858	0.00084
391114.13	3783533.59	0.000306483	0.000542827	0.00085
391079.31	3783563.73	0.000306331	0.000541046	0.00085
390928.27	3783761.04	0.000305526	0.000539271	0.00084
391127.7	3783517.43	0.00030076	0.000533442	0.00083
390937.15	3783744.84	0.000298041	0.000526783	0.00082
391087.56	3783546.58	0.000297711	0.000526543	0.00082
390946.03	3783728.64	0.000294939	0.000521792	0.00082
390990.45	3783647.64	0.000292421	0.000516389	0.00081
390954.92	3783712.44	0.000291758	0.000516397	0.00081
390981.57	3783663.84	0.000290307	0.000513476	0.00080
390963.8	3783696.24	0.00028937	0.000512165	0.00080
390999.33	3783631.44	0.000286823	0.000506124	0.00079
390972.68	3783680.04	0.000286432	0.00050679	0.00079
391008.21	3783615.24	0.00028344	0.000500032	0.00078
390890.91	3783790.9	0.000279378	0.000491498	0.00077
390908.66	3783758.51	0.000277361	0.000489979	0.00077
390899.78	3783774.7	0.000276814	0.000488088	0.00076
390917.54	3783742.32	0.00027325	0.000483382	0.00076
390961.94	3783661.35	0.000273139	0.00048329	0.00076
390926.42	3783726.12	0.000271209	0.00048019	0.00075
390970.82	3783645.16	0.000271057	0.000479025	0.00075
390935.3	3783709.93	0.000269148	0.000476772	0.00075
390944.18	3783693.74	0.000267371	0.000473651	0.00074
390979.69	3783628.97	0.000266913	0.000471346	0.00074
390953.06	3783677.55	0.000265934	0.000470936	0.00074
390988.57	3783612.77	0.00026496	0.000467869	0.00073
390997.45	3783596.58	0.000260421	0.0004597	0.00072
391026.5	3783564.27	0.000258061	0.000455472	0.00071
391011.7	3783577.6	0.000255014	0.000450023	0.00071
391026.51	3783537.82	0.000239357	0.000422803	0.00066
391011.75	3783551.12	0.000237248	0.000418726	0.00066
391054.97	3783515.23	0.000236047	0.000417941	0.00065
390996.99	3783564.41	0.000235374	0.000415294	0.00065
391067.89	3783502	0.000219486	0.000388784	0.00061
CONCUNIT ug/ DEPUNIT g/m^	m^3 2			

Mitigated Scenario

La Cañada Unified School District—New Outdoor Pool Facility and South of Campus Improvement Project

Estimation of Annual Onsite Construction Emissions

	Entire Site	Phases 1-3
Start of Construction	6/11/2022	5/3/2021
End of Construction	9/23/2022	10/28/2022
Number of Days	104	543
Number of Hours	2,496	13,032

Year	On-site Construction Activity	Mitigated Onsite DPM (tons)
2020-2022	Entire Site	0.00159
2021-2022	Phase 1	0.00296
2022	Phase 2	0.00335
2022	Phase 3	0.00173

Entire Site Total Mitigated DPM (On-site) 1.590E-03 tons

Average Emission
 1.444E+03 grams
 1.607E-04 grams/m2-sec
 1.607E-04 grams/m2-sec

Phases 1-3 Total Mitigated DPM (On-site) 8.040E-03 tons

Average Emission
 7.300E+03 grams
 1.556E-04 grams/m2-sec
 1.556E-04 grams/m2-sec

La Cañada Unified School District—New Outdoor Pool Facility and South of Campus Improvement Project

Mitigated Scenario only includes mitigation applied to on-site, off-road equipment—no mitigation for on-road vehicles

Estimation of Annual Offsite Construction DPM Emissions (No Mitigation)																					
		Phases 1-3																			
		Start of Construction			5/3/2021																
		End of Construction			10/28/2022																
		Number of Days			543			Total													
		Number of Hours			13,032			13,032													
		Phase 1	Phase 1	Phase 1	Phase 1	Phase 1	Phase 1	Phase 1	Phase 2	Phase 2	Phase 2	Phase 2	Phase 2	Phase 2	Phase 2	Phase 2	Phase 2	Phase 3	Phase 3	Phase 3	Phase 3
		2021	2021	2021	2021	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	
		Demolition	Site Preparation	Grading	Building Construction	Building Construction	Paving	Architectural Coating	Demolition	Site Preparation	Grading	Construction	Paving	Architectural Coating	Demolition	Site Preparation	Grading	Building Construction	Paving	Architectural Coating	
DPM	Construction Trip Type	0.00001	0.00050	0.00000	0.00001	0.00001	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00011	0.00000	0.00000	0.00000	
DPM	Haul Truck	0.00000	0.00000	0.00000	0.00005	0.00006	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00009	0.00000	0.00000	
DPM	Vendor Truck	0.00000	0.00001	0.00000	0.00005	0.00007	0.00000	0.00000	0.00001	0.00000	0.00001	0.00002	0.00002	0.00001	0.00000	0.00000	0.00000	0.00009	0.00000	0.00000	
DPM	Worker	0.00001	0.00051	0.00000	0.00011	0.00014	0.00000	0.00000	0.00002	0.00000	0.00001	0.00003	0.00002	0.00001	0.00002	0.00000	0.00011	0.00018	0.00000	0.00000	
Total DPM		Haul Truck (tons)	Vendor Truck (tons)	Worker (tons)	Total (tons)																
		6.700E-04	2.100E-04	2.900E-04	1.170E-03																
Average Emissions		Grams	1.907E+02	2.633E+02																	
		Grams/sec	1.297E-04	4.064E-06	5.613E-06																
Default Vehicle Travel Distance in CalEEMod		20	6.9	14.7																	
Vehicle Travel Distances in the Construction HRA (miles)																					
Road Segment 1 (mi)		0.38	0.38	0.38	miles																
Road Segment 2 (mi)		0.38	0.38	0.38	miles																
Road Segment 3 (mi)		0.78	0.78	0.78	miles																
Trip Distribution (percent)																					
Road Segment 1		25%	25%	25%																	
Road Segment 2		25%	25%	25%																	
Road Segment 3		50%	50%	50%																	
Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)																					
Road Segment 1 (mi)		6.181E-07	5.616E-08	3.640E-08	7.107E-07																
Road Segment 2 (mi)		6.097E-07	5.540E-08	3.591E-08	7.011E-07																
Road Segment 3 (mi)		2.516E-06	2.286E-07	1.482E-07	2.892E-06																

OEHHA Cancer/SCAQMD Risk Methodology

$$\text{Cancer Risk} = \text{DPM} \times \text{CPF} \times \text{ASF} \times \text{DBR} \times \text{ED} \times \text{EF} \times \text{TAH} \times \text{AF} / \text{AT}$$

Cancer Risk = probability of an individual contracting cancer out of a population of 1 million people over a lifetime exposure duration of 30 years

DPM = long-term average concentration of diesel PM as predicted by the air dispersion model (ug/m3)

CPF = cancer potency factor for DPM (mg.ke-day)

ASF = age sensitivity factors that are dependent on the age of the exposed individual (unitless)

DBR = daily breathing rates that are dependent on the age of the exposed individual (liters/kg-day)

ED = exposure duration (years)

EF = exposure frequency (days/year)

TAH = time at home factors that are dependent on the age of the exposed individual (%)

AT = averaging time over the lifetime of an individual (days)

AF = adjustment factor for workers and students (unitless)

Cancer Risk Equation Values as recommended by the California Office of Environmental Health Hazards Assessment

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions
La Cañada Unified School District—New Outdoor Pool Facility and South of Campus Improvement Project
Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant
UTM: 391342.64 3784067.69

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM10 Exhaust) Mitigated

Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.03838661	10	361	0.85	0.25	0.4
0-1	0.03838661	10	1090	0.85	1.00	5.4
1-<2	0.03838661	10	1090	0.85	0.24	1.3
Total						7.1

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child
UTM: 391342.64 3784067.69

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM10 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor (ug/m3) ⁻¹
1	0.03838661	3	572	1	1.00	1.0
2	0.03838661	3	572	1	0.49	0.5
Total						1.5

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult
UTM: 391342.64 3784067.69

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM10 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor (ug/m3) ⁻¹
1	0.03838661	1	261	0.73	1.00	0.1
2	0.03838661	1	261	0.73	0.49	0.1
Total						0.2

La Cañada Unified School District—New Outdoor Pool Facility and South of Campus Improvement Project

UTM: 391342.64 3784067.69

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
391342.64	3784067.69	0.0384	0.0384	0.008

390954.92	3783712.44	0.21113	0.78696	1.14929	0.24293	3.39E-05	9.64E-08	8.06E-07	7.03E-07	3.5527E-05
390981.57	3783663.84	0.21006	0.80326	1.20816	0.23474	3.38E-05	9.84E-08	8.47E-07	6.79E-07	3.5375E-05
390963.8	3783696.24	0.20940	0.78380	1.15114	0.23904	3.36E-05	9.61E-08	8.07E-07	6.91E-07	3.5239E-05
390999.33	3783631.44	0.20752	0.84902	1.24623	0.22593	3.33E-05	1.04E-07	8.74E-07	6.53E-07	3.4974E-05
390972.68	3783680.04	0.20728	0.77413	1.13654	0.23444	3.33E-05	9.49E-08	7.97E-07	6.78E-07	3.4874E-05
391008.21	3783615.24	0.20509	0.83212	1.20354	0.22176	3.30E-05	1.02E-07	8.44E-07	6.41E-07	3.4539E-05
390890.91	3783790.9	0.20227	0.66193	0.86394	0.24692	3.25E-05	8.11E-08	6.06E-07	7.14E-07	3.3900E-05
390908.66	3783758.51	0.20076	0.70148	0.95021	0.24427	3.23E-05	8.60E-08	6.66E-07	7.07E-07	3.3715E-05
390899.78	3783774.7	0.20039	0.67665	0.89849	0.24477	3.22E-05	8.29E-08	6.30E-07	7.08E-07	3.3618E-05
390917.54	3783742.32	0.19777	0.70385	0.96458	0.24022	3.18E-05	8.63E-08	6.76E-07	6.95E-07	3.3233E-05
390961.94	3783661.35	0.19763	0.76326	1.12179	0.22774	3.18E-05	9.35E-08	7.86E-07	6.59E-07	3.3292E-05
390926.42	3783726.12	0.19628	0.70969	0.98571	0.23720	3.15E-05	8.70E-08	6.91E-07	6.86E-07	3.3000E-05
390970.82	3783645.16	0.19611	0.78979	1.14592	0.22311	3.15E-05	9.68E-08	8.03E-07	6.45E-07	3.3055E-05
390935.3	3783709.93	0.19478	0.71239	0.99966	0.23384	3.13E-05	8.73E-08	7.01E-07	6.76E-07	3.2760E-05
390944.18	3783693.74	0.19349	0.71200	1.00762	0.23041	3.11E-05	8.73E-08	7.06E-07	6.66E-07	3.2548E-05
390979.69	3783628.97	0.19312	0.77824	1.11750	0.21850	3.10E-05	9.54E-08	7.83E-07	6.32E-07	3.2539E-05
390953.06	3783677.55	0.19245	0.71012	1.01100	0.22695	3.09E-05	8.70E-08	7.09E-07	6.56E-07	3.2373E-05
390988.57	3783612.77	0.19173	0.75289	1.07427	0.21532	3.08E-05	9.23E-08	7.53E-07	6.23E-07	3.2274E-05
390997.45	3783596.58	0.18847	0.71792	1.01477	0.21092	3.03E-05	8.80E-08	7.11E-07	6.10E-07	3.1691E-05
391026.5	3783564.27	0.18682	0.67205	0.91880	0.20389	3.00E-05	8.24E-08	6.44E-07	5.90E-07	3.1333E-05
391011.7	3783577.6	0.18460	0.66672	0.91944	0.20532	2.97E-05	8.17E-08	6.45E-07	5.94E-07	3.0980E-05
391026.51	3783537.82	0.17332	0.59145	0.77185	0.19096	2.78E-05	7.25E-08	5.41E-07	5.52E-07	2.9013E-05
391011.75	3783551.12	0.17179	0.58210	0.76298	0.19122	2.76E-05	7.13E-08	5.35E-07	5.53E-07	2.8761E-05
391054.97	3783515.23	0.17096	0.56379	0.71115	0.18375	2.75E-05	6.91E-08	4.99E-07	5.31E-07	2.8567E-05
390996.99	3783564.41	0.17042	0.58144	0.76860	0.19285	2.74E-05	7.13E-08	5.39E-07	5.58E-07	2.8549E-05
391067.89	3783502	0.15899	0.50267	0.62126	0.16985	2.55E-05	6.16E-08	4.36E-07	4.91E-07	2.6533E-05
CONCUNIT ug/ DEPUNIT g/m^	m^3 2									

391667.45	3784233.97	0.93081	0.71575	0.67177	1.27269	1.45E-04	5.09E-07	4.71E-07	3.68E-06	1.4950E-04
391804.9	3783853.09	0.98463	0.70451	0.70057	0.40019	1.53E-04	5.01E-07	4.91E-07	1.16E-06	1.5536E-04
391687.97	3784190.87	0.94698	0.72131	0.67972	1.09617	1.47E-04	5.13E-07	4.77E-07	3.17E-06	1.5152E-04
391677.71	3784212.42	0.93676	0.71790	0.67491	1.18067	1.46E-04	5.10E-07	4.73E-07	3.42E-06	1.5016E-04
391804.79	3783908.2	0.98145	0.69765	0.68875	0.44261	1.53E-04	4.96E-07	4.83E-07	1.28E-06	1.5498E-04
391018.34	3783930.08	0.94742	2.73605	5.04873	0.48063	1.47E-04	1.94E-06	3.54E-06	1.39E-06	1.5430E-04
391483.21	3783589.17	1.00000	2.03214	2.17379	0.32557	1.56E-04	1.44E-06	1.52E-06	9.42E-07	1.5952E-04
391804.94	3783834.72	0.97859	0.70250	0.70019	0.39640	1.52E-04	4.99E-07	4.91E-07	1.37E-06	1.5438E-04
391403.67	3783602.2	0.99410	2.37170	2.56015	0.33961	1.59E-04	1.69E-06	1.79E-06	9.82E-07	1.5915E-04
391804.88	3783815.15	0.96768	0.69787	0.69723	0.37191	1.51E-04	4.96E-07	4.89E-07	1.08E-06	1.5264E-04
391791.67	3783765.52	0.96764	0.71502	0.71868	0.34826	1.51E-04	5.08E-07	5.04E-07	1.01E-06	1.5259E-04
391560.69	3783585.42	0.99272	1.25692	1.30633	0.30095	1.54E-04	8.93E-07	9.16E-07	8.70E-07	1.5715E-04
391054.21	3783873.43	0.94580	3.29889	9.40499	0.46773	1.47E-04	2.34E-06	6.59E-06	1.35E-06	1.5746E-04
391778.53	3783733.29	0.96862	0.73205	0.73855	0.33589	1.51E-04	5.20E-07	5.18E-07	9.72E-07	1.5273E-04
391698.27	3783633.49	0.98113	0.86299	0.88154	0.30799	1.53E-04	6.13E-07	6.18E-07	8.91E-07	1.5479E-04
391804.75	3783936.26	0.96608	0.68652	0.67520	0.46377	1.50E-04	4.88E-07	4.73E-07	1.34E-06	1.5263E-04
390945.19	3784075.79	0.90393	1.59580	1.75877	0.49785	1.41E-04	1.13E-06	1.23E-06	1.44E-06	1.4446E-04
391670.92	3783614.97	0.98210	0.91867	0.94151	0.30328	1.53E-04	6.53E-07	6.60E-07	8.77E-07	1.5501E-04
391029.39	3784596.16	0.82522	0.76084	0.64971	28.31239	1.28E-04	5.41E-07	4.55E-07	8.19E-05	1.2130E-04
391793.07	3783986.84	0.96074	0.68768	0.67153	0.52278	1.49E-04	4.89E-07	4.71E-07	1.51E-06	1.5197E-04
391041.78	3784615.43	0.81931	0.74640	0.63670	15.97301	1.27E-04	5.30E-07	4.46E-07	4.62E-05	1.7467E-04
391802.68	3783956.05	0.95727	0.68156	0.66852	0.48169	1.49E-04	4.84E-07	4.69E-07	1.39E-06	1.5130E-04
391497.92	3783577.71	0.97883	1.53642	1.61688	0.30576	1.52E-04	1.09E-06	1.13E-06	8.84E-07	1.5542E-04
391125.46	3783808.75	0.95115	4.77479	37.71847	0.47386	1.48E-04	3.39E-06	2.64E-05	1.37E-06	1.7921E-04
391725.36	3783651.4	0.96310	0.80321	0.81805	0.30932	1.50E-04	5.71E-07	5.73E-07	8.95E-07	1.5190E-04
390965.82	3784035.08	0.89554	1.75404	2.15663	0.46513	1.39E-04	1.51E-06	1.35E-06	1.34E-06	1.4346E-04
391764.92	3784061.61	0.94603	0.69015	0.66595	0.64731	1.47E-04	4.90E-07	4.67E-07	1.87E-06	1.5004E-04
391765.39	3783701.05	0.95419	0.74053	0.74973	0.32187	1.48E-04	5.26E-07	5.26E-07	9.31E-07	1.5046E-04
391008.37	3783976.33	0.90166	2.13886	3.28710	0.43192	1.40E-04	1.52E-06	2.30E-06	1.25E-06	1.4538E-04
391785.92	3784017.99	0.94369	0.68001	0.66099	0.56089	1.47E-04	4.83E-07	4.63E-07	1.62E-06	1.4941E-04
391643.27	3783595.69	0.96618	0.96762	0.99544	0.29573	1.50E-04	6.88E-07	6.98E-07	8.55E-07	1.5258E-04
390928.72	3784099.68	0.87833	1.46185	1.54068	0.51676	1.37E-04	1.04E-06	1.08E-06	1.49E-06	1.4029E-04
391029.43	3783908.95	0.91154	2.83571	5.93720	0.47148	1.42E-04	2.02E-06	4.16E-06	1.36E-06	1.4938E-04
391591	3783578.79	0.95842	1.10601	1.14582	0.29217	1.49E-04	7.86E-07	8.03E-07	8.45E-07	1.5157E-04
391067.38	3783857.7	0.91438	3.44512	10.88226	0.46048	1.42E-04	2.45E-06	7.63E-06	1.33E-06	1.5369E-04
390914.93	3784127.39	0.86396	1.35312	1.36217	0.54464	1.34E-04	9.62E-07	9.55E-07	1.58E-06	1.3793E-04
391758.94	3784084.53	0.92013	0.67676	0.65063	0.68063	1.43E-04	4.81E-07	4.56E-07	1.97E-06	1.4608E-04
391748.58	3784106.29	0.91628	0.67816	0.64931	0.73473	1.43E-04	4.82E-07	4.55E-07	2.13E-06	1.4564E-04
391529.12	3783571.46	0.95030	1.33213	1.39432	0.29528	1.48E-04	9.47E-07	9.77E-07	8.54E-07	1.5065E-04
391752.25	3783668.81	0.92760	0.74102	0.75267	0.30693	1.44E-04	5.27E-07	5.28E-07	8.88E-07	1.4628E-04
391738.22	3784128.05	0.67585	0.90546	0.64545	0.33664	1.40E-04	4.80E-07	4.52E-07	2.39E-06	1.4411E-04
391655.35	3784302.12	0.84378	0.63338	0.61283	1.36048	1.31E-04	1.64E-07	1.30E-07	1.36E-06	1.3613E-04
391824.62	3783871.5	0.91365	0.64637	0.64109	0.38900	1.42E-04	4.59E-07	4.49E-07	1.13E-06	1.4420E-04
391824.59	3783889.87	0.91252	0.64464	0.63789	0.40154	1.42E-04	4.58E-07	4.47E-07	1.16E-06	1.4406E-04
391824.66	3783853.13	0.91192	0.64634	0.64253	0.37662	1.42E-04	4.59E-07	4.50E-07	1.09E-06	1.4390E-04
390976.76	3784010.28	0.86096	1.79750	2.40890	0.44255	1.34E-04	1.28E-06	1.69E-06	1.28E-06	1.3822E-04
391727.86	3784149.81	0.89068	0.67129	0.63780	0.84591	1.39E-04	4.77E-07	4.47E-07	2.45E-06	1.4197E-04
391824.55	3783908.24	0.90852	0.63304	0.61419	0.41419	1.41E-04	4.56E-07	4.44E-07	1.20E-06	1.4347E-04
391824.7	3783834.76	0.90693	0.64442	0.64205	0.36438	1.41E-04	4.58E-07	4.50E-07	1.05E-06	1.4309E-04
391010.8	3784603.22	0.77992	0.72057	0.62142	32.27214	1.21E-04	5.12E-07	4.36E-07	9.33E-05	2.1565E-04
391785.44	3784044.01	0.90298	0.65513	0.63446	0.57988	1.41E-04	4.66E-07	4.45E-07	1.68E-06	1.4310E-04
391638.95	3784365.64	0.81131	0.61789	0.58037	1.41652	1.26E-04	4.39E-07	4.07E-07	4.10E-06	1.3119E-04
391665.71	3784280.36	0.84065	0.65443	0.61362	1.28515	1.31E-04	4.65E-07	4.30E-07	3.72E-06	1.3542E-04
391805.03	3783749.74	0.90486	0.66467	0.66885	0.32623	1.41E-04	4.72E-07	4.69E-07	9.44E-07	1.4269E-04
391717.51	3784171.57	0.87854	0.66810	0.63245	0.91037	1.37E-04	4.75E-07	4.43E-07	2.63E-06	1.4026E-04
391824.64	3783815.08	0.89904	0.64077	0.63989	0.35172	1.40E-04	4.55E-07	4.49E-07	1.02E-06	1.4182E-04
391792	3783717.77	0.90105	0.67660	0.68326	0.31488	1.40E-04	4.81E-07	4.79E-07	9.11E-07	1.4208E-04
391818.06	3783781.81	0.89808	0.64707	0.64870	0.33646	1.40E-04	4.60E-07	4.55E-07	9.73E-07	1.4164E-04
391707.153	3784193.33	0.86661	0.65472	0.97948	0.65472	1.35E-04	4.72E-07	4.40E-07	2.83E-06	1.3860E-04
391094.05	3783827.09	0.89005	3.90893	18.24044	0.45978	1.38E-04	2.78E-06	1.28E-05	1.33E-06	1.5539E-04
391814.26	3783973.51	0.89690	0.62813	0.47286	1.40E-04	1.40E-04	4.54E-07	4.38E-07	1.37E-06	1.4182E-04
391018.72	3784622.81	0.76689	0.70205	0.60559	18.06492	1.19E-04	4.99E-07	4.25E-07	5.23E-05	1.7251E-04
391676.07	3784258.6	0.84106	0.65556	0.61502	1.20343	1.31E-04	4.66E-07	4.31E-07	3.48E-06	1.3525E-04
391647.56	3784342.58	0.81007	0.62369	0.58535	1.38430	1.26E-04	4.43E-07	4.10E-07	4.00E-06	1.3091E-04
391824.51	3783936.26	0.89423	0.63196	0.62161	0.43267	1.39E-04	4.49E-07	4.36E-07	1.25E-06	1.4128E-04
391696.79	3784215.09	0.85432	0.66057	0.62170	1.04890	1.33E-04	4.69E-07	4.36E-07	3.03E-06	1.3688E-04
391465.94	3783563.56	0.91243	1.57433	1.67480	0.29806	1.42E-04	1.12E-06	1.17E-06	8.62E-07	1.4514E-04
391686.43	3784236.84	0.84593	0.65771	0.61779	1.12467	1.32E-04	4.67E-07	4.33E-07	3.25E-06	1.3579E-04
391712.09	3783618.87	0.90298	0.78337	0.80042	0.28994	1.41E-04	5.57E-07	5.61E-07	8.39E-07	1.4247E-04
391684.86	3783600.61	0.90400	0.83066	0.85142	0.28606	1.41E-04	5.90E-07	5.97E-07	8.27E-07	1.4268E-04
391822.46	3783956.02	0.88613	0.62801	0.61614	0.44838	1.38E-04	4.46E-07	4.32E-07	1.30E-06	1.4006E-04
391416.68	3783581.85	0.89935	1.96190	2.11648	0.31557	1.40E-04	1.39E-06	1.48E-06	9.13E-07	1.4374E-04
391776.96	3783685.8	0.88749	0.68260	0.69156	0.30270	1.38E-04	4.85E-07	4.85E-07	8.76E-07	1.3994E-04
391619.75	3783571.46	0.90233	0.96773	1.00002	0.28034	1.40E-04	6.88E-07	7.01E-07	8.14E-07	1.4248E-04
391739.11	3783936.58	0.88937	0.73329	0.74713	0.28117	1.38E-04	5.21E-07	5.24E-07	8.42E-07	1.4028E-04
391784.64	3784062.92	0.87280	0.63718	0.61544	0.59379	1.36E-04	4.53E-07	4.31E-07	1.72E-06	1.3842E-04
390947.97	3784043.55	0.82316	1.54753	1.88334	0.45672	1.28E-04	1.10E-06	1.32E-06	1.32E-06	1.3183E-04
391805.68	3784018.35	0.87258	0.62783	0.61070	0.51788	1.36E-04	4.46E-07	4.28E-07	1.50E-06	1.3815E-04
391036.47	3783877.33	0.85341	2.78590	6.79875	0.45097	1.33E-04	1.98E-06	4.77E-06	1.30E-06	1.4085E-04
390990.2	3783984.14	0.82509	1.85826	2.75561	0.42301	1.28E-04	1.32E-06	1.93E-06	1.22E-06	1.3287E-04
391657.36	3783581.69	0.88873	0.87122	0.89625	0.27942	1.38E-04	6.19E-07	6.28E-07	8.08E-07	1.4035E-04
391559.77	3783564.98	0.89075	1.13910	1.18707	0.28139	1.39E-04	8.10E-07	8.32E-07	8.14E-07	1.4106E-04
390910.55	3784107.8	0.80740	1.30375	1.38051	0.50750	1.26E-04	9.27E-07	9.68E-07	1.47E-06	1.2900E-04

391617.71	3783550.53	0.82236	0.89658	0.92857	0.26335	1.28E-04	6.37E-07	6.51E-07	7.62E-07	1.3001E-04
390986.16	3784643.81	0.68710	0.62813	0.55115	17.84188	1.07E-04	4.46E-07	3.86E-07	5.16E-05	1.5936E-04
391047.61	3783856.32	0.78608	2.82893	7.34351	0.43522	1.22E-04	2.01E-06	5.15E-06	1.26E-06	1.3074E-04
391569.78	3783549.37	0.82065	1.02413	1.06763	0.26658	1.28E-04	7.28E-07	7.48E-07	7.71E-07	1.2995E-04
390906.16	3784088.21	0.74783	1.24492	1.38970	0.47471	1.16E-04	8.85E-07	9.74E-07	1.37E-06	1.1960E-04
391798.49	3784086.91	0.78896	0.58136	0.56020	0.57261	1.23E-04	4.13E-07	3.93E-07	1.66E-06	1.2523E-04
391788.36	3784108.19	0.78128	0.58098	0.55792	0.60881	1.22E-04	4.13E-07	3.91E-07	1.76E-06	1.2414E-04
391465.97	3783543.54	0.80463	1.37850	0.47852	1.25E-04	9.80E-07	9.80E-07	9.80E-07	8.06E-07	1.2025E-04
391060.77	3783840.56	0.77774	3.01413	9.10272	0.43525	1.21E-04	2.14E-06	6.38E-06	1.26E-06	1.3080E-04
390998.44	3783950.04	0.75281	1.89551	3.19005	0.41373	1.17E-04	1.35E-06	2.21E-06	1.20E-06	1.2190E-04
391146.32	3783762.48	0.79093	4.17068	22.67777	0.43891	1.23E-04	2.96E-06	1.59E-05	1.27E-06	1.4321E-04
390996.13	3783928.68	0.75860	2.10654	3.60854	0.44051	1.18E-04	1.50E-06	2.53E-06	1.27E-06	1.2334E-04
391778.24	3784129.46	0.77037	0.57863	0.55375	0.64626	1.20E-04	4.11E-07	3.88E-07	1.87E-06	1.2254E-04
391322.58	3783618.79	0.78753	2.61140	2.98807	0.35018	1.23E-04	1.86E-06	2.09E-06	1.01E-06	1.2751E-04
391553.13	3783542.01	0.79820	1.04660	1.09507	0.26366	1.24E-04	7.44E-07	7.68E-07	7.63E-07	1.2648E-04
390940.34	3784025.61	0.73348	1.41806	1.83092	0.43040	1.14E-04	1.01E-06	1.28E-06	1.24E-06	1.1767E-04
391768.11	3784150.73	0.75761	0.57504	0.54845	0.68541	1.18E-04	4.09E-07	3.84E-07	1.98E-06	1.2066E-04
391433.96	3783549.42	0.78053	1.51270	1.63173	0.28394	1.21E-04	1.08E-06	1.14E-06	8.21E-07	1.2450E-04
391676.95	3784342.2	0.69825	0.55393	0.52005	1.12616	1.09E-04	3.94E-07	3.65E-07	3.26E-06	1.1267E-04
391757.98	3784172.01	0.74663	0.57240	0.54407	0.72982	1.16E-04	4.07E-07	3.81E-07	2.11E-06	1.1908E-04
390958.64	3784635.55	0.65608	0.60253	0.53382	31.55860	1.02E-04	4.28E-07	3.74E-07	9.13E-05	1.9417E-04
390971.02	3784654.81	0.65313	0.59587	0.52672	17.23686	1.02E-04	4.23E-07	3.69E-07	4.99E-05	1.5228E-04
391739.86	3783589.9	0.77246	0.65422	0.66870	0.25893	1.20E-04	4.65E-07	4.69E-07	2.79E-07	1.2188E-04
391747.85	3784193.28	0.73852	0.57144	0.54126	0.78184	1.15E-04	4.06E-07	3.79E-07	2.46E-06	1.1797E-04
391712.82	3783572.11	0.77361	0.70658	0.68927	0.25630	1.20E-04	4.90E-07	4.93E-07	7.41E-07	1.2211E-04
391584.85	3783548.55	0.77728	0.93097	0.69680	0.25593	1.21E-04	6.62E-07	6.80E-07	7.40E-07	1.2303E-04
391497.32	3783527.67	0.77427	1.20969	1.26177	0.26737	1.20E-04	8.60E-07	8.99E-07	7.75E-07	1.2301E-04
391536.48	3783534.64	0.77567	1.06819	1.12226	0.26109	1.21E-04	7.59E-07	7.87E-07	7.55E-07	1.2300E-04
391687.08	3784320.93	0.69578	0.55503	0.52081	1.08474	1.08E-04	3.94E-07	3.65E-07	3.14E-06	1.1217E-04
391737.72	3784214.56	0.72555	0.56719	0.53574	0.82874	1.13E-04	4.03E-07	3.76E-07	2.40E-06	1.1608E-04
391087.45	3783809.96	0.74821	3.31166	12.74214	0.43068	1.16E-04	2.35E-06	8.93E-06	1.25E-06	1.2896E-04
391727.6	3784235.83	0.71634	0.56482	0.53207	0.88305	1.11E-04	4.01E-07	3.73E-07	2.55E-06	1.1480E-04
391697.21	3784299.65	0.69665	0.55679	0.52244	1.03847	1.08E-04	3.96E-07	3.66E-07	3.00E-06	1.1217E-04
391685.56	3783553.79	0.76382	0.72014	0.74070	0.25164	1.19E-04	5.12E-07	5.19E-07	7.28E-07	1.2061E-04
391632.28	3783536.93	0.76647	0.81271	0.84135	0.25090	1.19E-04	5.78E-07	5.90E-07	7.26E-07	1.2116E-04
391330.28	3783607.79	0.75507	2.40781	2.73825	0.33724	1.17E-04	1.71E-06	1.92E-06	9.75E-07	1.2210E-04
391707.34	3784278.38	0.70055	0.55901	0.52487	0.98794	1.09E-04	3.97E-07	3.68E-07	2.86E-06	1.1263E-04
391717.47	3784257.1	0.70681	0.56138	0.52785	0.93399	1.10E-04	3.99E-07	3.70E-07	2.70E-06	1.1345E-04
391016.21	3783874.69	0.72828	2.29385	4.89100	0.42541	1.13E-04	1.63E-06	3.43E-06	1.23E-06	1.1961E-04
390952.8	3784000.19	0.70329	1.45186	2.02067	0.41135	1.09E-04	1.03E-06	1.42E-06	1.19E-06	1.1307E-04
391154.54	3783745.4	0.73477	1.38609	13.76601	0.24398	1.15E-04	2.75E-06	9.65E-06	1.19E-06	1.2908E-04
391118.39	3783778.33	0.73247	3.62418	16.42817	0.42703	1.14E-04	1.58E-06	1.15E-05	1.24E-06	1.2393E-04
390972.63	3783973.98	0.69510	1.55902	2.36998	0.39876	1.08E-04	1.11E-06	1.66E-06	1.15E-06	1.1209E-04
391029.85	3783860.17	0.71578	2.45155	5.55845	0.41984	1.11E-04	1.74E-06	3.90E-06	1.21E-06	1.1823E-04
391519.82	3783527.28	0.74603	1.08105	1.14097	0.25771	1.16E-04	7.68E-07	8.00E-07	7.45E-07	1.1840E-04
390945	3784646.22	0.62617	0.57315	0.51101	28.98988	9.74E-05	4.07E-07	3.58E-07	8.39E-05	1.8205E-04
391399.1	3783561.51	0.73457	1.69950	1.85734	0.29204	1.14E-04	1.21E-06	1.30E-06	8.45E-07	1.1766E-04
391071.54	3783818.61	0.71699	2.99400	9.82168	0.42296	1.12E-04	2.13E-06	6.89E-06	1.22E-06	1.2181E-04
390952.92	3784665.81	0.61795	0.56245	0.50112	16.95004	9.62E-05	4.00E-07	3.51E-07	4.90E-05	1.4594E-04
390922.13	3784033.3	0.67631	1.26220	1.60721	0.42202	1.05E-04	8.97E-07	1.13E-06	1.22E-06	1.0848E-04
391466.09	3783523.56	0.72960	1.22495	1.31228	0.26266	1.14E-04	8.71E-07	9.20E-07	7.60E-07	1.1608E-04
391599.8	3783522.57	0.73399	0.84739	0.88210	0.24532	1.14E-04	6.02E-07	6.18E-07	7.10E-07	1.1614E-04
391341.01	3783595.14	0.72221	2.22925	2.51162	0.32302	1.12E-04	1.58E-06	1.76E-06	9.34E-07	1.1666E-04
391551.99	3783521.47	0.72765	0.95922	1.00646	0.24923	1.13E-04	6.82E-07	7.06E-07	7.21E-07	1.1534E-04
391726.83	3783557.94	0.72038	0.63278	0.64866	0.24360	1.12E-04	4.50E-07	4.55E-07	7.05E-07	1.1371E-04
391662.86	3783530.42	0.72370	0.72140	0.74483	0.24118	1.13E-04	5.13E-07	5.22E-07	6.98E-07	1.1435E-04
391503.17	3783519.92	0.71232	1.08693	1.15299	0.25393	1.11E-04	7.72E-07	8.08E-07	7.34E-07	1.1316E-04
391434.4	3783529.58	0.72947	1.29477	1.40255	0.26751	1.10E-04	7.97E-07	8.24E-07	7.74E-07	1.1277E-04
391699.68	3783539.87	0.71116	0.67200	0.65927	0.23946	1.11E-04	4.69E-07	4.75E-07	6.93E-07	1.1230E-04
391162.75	3783728.32	0.70062	3.56796	9.07923	0.40917	1.09E-04	2.54E-06	6.37E-06	1.18E-06	1.1911E-04
390979.37	3783955.2	0.66430	1.58252	2.53766	0.39249	1.03E-04	1.12E-06	1.78E-06	1.14E-06	1.0741E-04
390935.55	3784007.12	0.65527	1.30830	1.77924	0.40605	1.02E-04	9.30E-07	1.25E-06	1.17E-06	1.0532E-04
390925.39	3784657.55	0.59252	0.54085	0.48578	27.34041	9.22E-05	3.84E-07	3.41E-07	7.91E-05	1.7201E-04
391630.72	3783516.21	0.70433	0.75704	0.78533	0.23714	1.10E-04	5.38E-07	5.51E-07	6.86E-07	1.1137E-04
390937.78	3784676.82	0.59003	0.53574	0.48025	15.85144	9.18E-05	3.81E-07	3.37E-07	4.58E-05	1.3838E-04
391041	3783839.21	0.67716	2.51142	6.31200	0.41266	1.05E-04	1.78E-06	4.43E-06	1.19E-06	1.1277E-04
391126.59	3783761.27	0.68853	3.45031	13.68730	0.41445	1.07E-04	2.45E-06	9.60E-06	1.20E-06	1.2039E-04
390977.06	3783933.84	0.65522	1.72115	2.77175	0.41274	1.02E-04	1.22E-06	1.94E-06	1.19E-06	1.0632E-04
391486.52	3783512.55	0.69143	1.09839	1.17162	0.25172	1.08E-04	7.81E-07	8.21E-07	7.28E-07	1.0992E-04
390899.97	3784050.08	0.63737	1.12884	1.38754	0.42284	9.92E-05	8.02E-07	9.73E-07	1.22E-06	1.0218E-04
391327.8	3783594.03	0.68185	2.10602	2.40972	0.32015	1.06E-04	1.50E-06	1.69E-06	9.26E-07	1.1021E-04
391054.15	3783823.42	0.66347	2.62686	7.28386	0.40987	1.03E-04	1.87E-06	5.11E-06	1.19E-06	1.1140E-04
391567.33	3783508.21	0.67745	0.86112	0.90239	0.23717	1.05E-04	6.12E-07	6.33E-07	6.86E-07	1.0735E-04
391469.86	3783505.19	0.67131	1.08564	1.17545	0.24919	1.04E-04	7.79E-07	7.95E-07	7.21E-07	1.0678E-04
391515.13	3783506.94	0.67200	0.70658	1.03376	0.24278	1.05E-04	7.15E-07	7.25E-07	1.02E-07	1.0669E-04
391710.96	3783711.24	0.65941	3.26390	6.64007	0.39345	1.03E-04	2.32E-06	4.66E-06	1.14E-06	1.1072E-04
391598.59	3783502	0.67115	0.78331	0.81724	0.23190	1.04E-04	5.57E-07	5.73E-07	6.71E-07	1.0624E-04
391661.27	3783509.68	0.66993	0.67724	0.70050	0.22861	1.04E-04	4.81E-07	4.91E-07	6.61E-07	1.0588E-04
390946.14	3783983.39	0.62027	1.31761	1.90962	0.38936	9.65E-05	9.36E-07	1.34E-06	1.13E-06	9.9919E-05
391713.8	3783525.97	0.66386	0.60603	0.62312	0.22826	1.03E-04	4.31E-07	4.37E-07	6.60E-07	1.0483E-04
391134.78	3783744.22	0.64963	3.24991	10.49424	0.40129	1.01E-04	2.31E-06	7.36E-06	1.16E-06	1.1191E-04
391098.66	3783777.09	0.64427	3.01981	10.51868	0.40466	1.00E-04	2.15E-06	7.37E-06	1.17E-06	1.1094E-04
390917.37	3784014.9	0.60881	1.17431	1.56325	0.39950	9.47E-05	8.35E-07	1.10E-06	1.16E-06	9.7821E-05

390957.98	3783939.01	0.52456	1.25592	1.99005	0.35974	8.16E-05	8.93E-07	1.40E-06	1.04E-06	8.4953E-05
390977.19	3783896.39	0.53262	1.53462	2.54678	0.38122	8.29E-05	1.09E-06	1.79E-06	1.10E-06	8.6858E-05
391016.61	3783825.86	0.53960	1.96136	4.13001	0.37725	8.40E-05	1.39E-06	2.90E-06	1.09E-06	8.9346E-05
391596.78	3783461.12	0.55529	0.66453	0.69626	0.20699	8.64E-05	4.72E-07	4.88E-07	5.99E-07	8.7966E-05
391087.11	3783758.83	0.54420	2.48205	6.86280	0.37478	8.47E-05	1.76E-06	4.81E-06	1.08E-06	9.2340E-05
391469.9	3783465.13	0.54723	0.87578	0.94471	0.22278	8.52E-05	6.22E-07	6.62E-07	6.44E-07	8.7082E-05
391167.58	3783676	0.53846	2.44628	4.11969	0.35012	8.38E-05	1.74E-06	2.89E-06	1.01E-06	8.9427E-05
390992.16	3783970.78	0.51017	1.57019	1.09412	0.36520	7.94E-05	1.15E-06	1.74E-06	1.06E-06	8.2318E-05
391502.18	3783459.37	0.54117	0.81572	0.87220	0.21637	8.42E-05	5.80E-07	6.12E-07	6.26E-07	8.6027E-05
391131.41	3783708.97	0.53255	2.49565	5.45332	0.36010	8.29E-05	1.77E-06	3.82E-06	1.04E-06	8.9507E-05
391565.2	3783447.16	0.53270	0.68402	0.72183	0.20479	8.29E-05	4.86E-07	5.06E-07	5.92E-07	8.4476E-05
391095.29	3783741.82	0.52026	2.39647	6.19279	0.36487	8.10E-05	1.70E-06	4.34E-06	1.06E-06	8.8056E-05
391533.91	3783453.36	0.52813	0.73912	0.78468	0.20899	8.22E-05	5.25E-07	5.50E-07	6.04E-07	8.3860E-05
391027.8	3783804.98	0.50983	1.97172	4.33495	0.36809	7.93E-05	1.40E-06	3.04E-06	1.06E-06	8.4838E-05
391175.78	3783658.95	0.51420	2.25928	3.51848	0.33726	8.00E-05	1.61E-06	2.47E-06	9.76E-07	8.5061E-05
391059.21	3783774.6	0.51001	2.18311	5.41813	0.36633	7.94E-05	1.55E-06	3.80E-06	1.06E-06	8.5770E-05
391203.81	3783642.91	0.51331	2.23085	3.11999	0.33037	7.99E-05	1.59E-06	2.19E-06	9.56E-07	8.4603E-05
391139.6	3783691.94	0.51070	2.34178	4.52103	0.34853	7.95E-05	1.66E-06	3.17E-06	1.01E-06	8.5310E-05
390985.22	3783844.24	0.50011	1.64798	2.97791	0.36552	7.78E-05	1.17E-06	2.09E-06	1.06E-06	8.2137E-05
391227.9	3783617.18	0.50979	2.06574	2.69727	0.31758	7.93E-05	1.47E-06	1.89E-06	9.19E-07	8.3604E-05
390938.91	3783944.18	0.47979	1.10550	1.68190	0.34924	7.47E-05	7.86E-07	1.18E-06	1.01E-06	7.7633E-05
391103.47	3783724.82	0.49921	2.29805	5.43119	0.35482	7.77E-05	1.63E-06	3.81E-06	1.03E-06	8.4147E-05
390958.05	3783920.36	0.47669	1.19919	1.91302	0.34849	7.42E-05	8.52E-07	1.34E-06	1.01E-06	7.7377E-05
390903.09	3783975.96	0.47085	0.97804	1.36879	0.35703	7.33E-05	6.95E-07	9.60E-07	1.03E-06	7.5955E-05
391502.08	3783439.29	0.48872	0.74757	0.80106	0.20620	7.76E-05	5.31E-07	5.62E-07	5.96E-07	7.9293E-05
391147.79	3783674.91	0.48976	2.18850	3.81874	0.33689	7.62E-05	2.68E-06	9.74E-07	9.74E-07	8.1437E-05
391067.38	3783757.61	0.48767	2.12615	5.18916	0.35739	7.59E-05	1.52E-06	3.64E-06	1.03E-06	8.2074E-05
391183.98	3783641.9	0.48883	2.07998	3.04806	0.32414	7.61E-05	1.48E-06	2.14E-06	9.38E-07	8.0618E-05
391533.63	3783433.2	0.49309	0.68655	0.73040	0.20025	7.67E-05	4.88E-07	5.12E-07	5.79E-07	7.8307E-05
390996.39	3783823.31	0.47655	1.67833	3.17317	0.35851	7.42E-05	1.19E-06	2.22E-06	1.04E-06	7.8609E-05
391212.03	3783625.83	0.48419	2.03464	2.73529	0.31611	7.53E-05	1.45E-06	1.92E-06	9.14E-07	7.9621E-05
391111.65	3783707.81	0.48023	2.18997	4.68238	0.34465	7.47E-05	1.56E-06	3.28E-06	9.97E-07	8.0563E-05
391009.99	3783808.7	0.47396	1.75973	3.31998	0.35729	7.38E-05	1.25E-06	2.47E-06	1.03E-06	7.8503E-05
391239.45	3783593.42	0.47370	1.78934	2.26656	0.29878	7.37E-05	1.27E-06	1.59E-06	8.64E-07	7.7436E-05
391155.98	3783657.88	0.47007	2.04046	3.28931	0.32546	7.31E-05	1.45E-06	2.31E-06	9.41E-07	7.7843E-05
390919.83	3783949.33	0.44778	1.00211	1.46484	0.34452	6.97E-05	7.12E-07	1.03E-06	9.97E-07	7.2413E-05
391075.55	3783740.62	0.46814	2.07769	4.84895	0.34843	7.28E-05	1.48E-06	3.40E-06	1.01E-06	8.729E-05
391119.83	3783690.8	0.46251	2.07547	4.02067	0.33436	7.20E-05	1.47E-06	2.82E-06	9.67E-07	7.7230E-05
391192.18	3783624.84	0.46342	1.91162	2.67194	0.31106	7.21E-05	1.36E-06	1.87E-06	9.00E-07	7.6243E-05
391039.49	3783773.36	0.45880	1.88851	4.15500	0.35000	7.14E-05	1.34E-06	2.91E-06	1.01E-06	7.6660E-05
391501.06	3783419.26	0.46330	0.73778	0.68732	0.20693	7.18E-05	4.48E-07	5.17E-07	5.70E-07	7.3357E-05
390936.07	3783925.6	0.43370	1.04568	1.59876	0.33540	6.75E-05	7.43E-07	6.75E-06	9.70E-07	7.0321E-05
391164.16	3783640.85	0.45169	1.89876	2.87823	0.31431	7.03E-05	1.35E-06	2.02E-06	9.09E-07	7.4562E-05
391083.72	3783723.63	0.45057	2.00828	4.42539	0.33938	7.01E-05	1.43E-06	3.10E-06	9.82E-07	7.5623E-05
390900.76	3783954.5	0.43011	0.94609	1.32679	0.34706	6.69E-05	6.72E-07	9.30E-07	1.00E-06	6.9534E-05
390978.6	3783827.07	0.44312	1.50282	6.23946	0.34800	6.90E-05	1.07E-06	1.85E-06	1.01E-06	7.2877E-05
390958.31	3783845.78	0.44028	1.37490	2.26911	0.34835	6.85E-05	9.77E-07	1.59E-06	1.01E-06	7.2086E-05
391128	3783673.79	0.44529	1.95735	3.46900	0.32392	6.93E-05	1.39E-06	2.43E-06	9.37E-07	7.4050E-05
390958.11	3783901.72	0.42924	1.13032	1.79686	0.33476	6.68E-05	8.03E-07	1.26E-06	9.68E-07	6.9824E-05
391047.65	3783756.38	0.43933	1.85451	4.03601	0.34144	6.84E-05	1.32E-06	2.83E-06	9.88E-07	7.3498E-05
391203.93	3783606.48	0.43990	1.75943	2.35291	0.29798	6.85E-05	1.25E-06	1.65E-06	8.62E-07	7.2213E-05
391221.69	3783599.95	0.43868	1.75400	2.26477	0.29452	6.83E-05	1.25E-06	1.59E-06	8.52E-07	7.1948E-05
391091.89	3783706.64	0.43482	1.92968	3.96503	0.33021	6.77E-05	1.37E-06	2.78E-06	9.55E-07	7.2676E-05
391136.18	3783656.78	0.43115	1.84410	3.04281	0.31421	6.71E-05	1.31E-06	2.13E-06	9.09E-07	7.1442E-05
391172.35	3783623.82	0.43026	1.75957	2.53249	0.30245	6.70E-05	1.25E-06	1.78E-06	8.75E-07	7.0852E-05
390958.18	3783883.07	0.41709	1.17651	1.83259	0.34020	6.49E-05	8.36E-07	1.28E-06	9.84E-07	6.8007E-05
390989.78	3783806.18	0.42308	1.51708	2.76376	0.34070	6.58E-05	1.08E-06	1.94E-06	9.85E-07	6.9835E-05
391243.84	3783572.29	0.42680	1.57485	1.95553	0.27984	6.64E-05	1.12E-06	1.37E-06	8.39E-07	6.9712E-05
391055.81	3783739.41	0.42317	1.81428	3.86189	0.33326	6.58E-05	1.29E-06	2.71E-06	9.68E-07	7.0809E-05
391003.37	3783791.54	0.42069	1.58558	3.01562	0.33879	6.55E-05	1.13E-06	2.11E-06	9.80E-07	6.9636E-05
390919.9	3783930.65	0.40397	0.94358	1.38448	0.32927	6.29E-05	6.71E-07	9.71E-07	9.52E-07	6.5454E-05
391100.06	3783689.64	0.42020	1.84421	3.51613	0.32097	6.54E-05	1.31E-06	2.46E-06	9.28E-07	7.0090E-05
391019.76	3783772.12	0.41495	1.64775	3.27840	0.33506	6.46E-05	1.17E-06	2.30E-06	9.69E-07	6.9007E-05
391144.36	3783639.77	0.41651	1.72472	2.68165	0.30435	6.48E-05	1.23E-06	1.88E-06	8.80E-07	6.7898E-05
390939.17	3783869.87	0.40380	1.18381	1.77879	0.34671	6.28E-05	8.41E-07	1.25E-06	1.00E-06	6.5925E-05
390900.82	3783935.88	0.39446	0.90823	1.27377	0.33495	6.14E-05	6.45E-07	8.93E-07	9.69E-07	6.3888E-05
391063.97	3783722.43	0.40862	1.76514	3.62469	0.32504	6.36E-05	1.25E-06	2.54E-06	9.40E-07	6.8320E-05
390939.04	3783907.02	0.39290	0.99178	1.50662	0.32293	6.11E-05	7.05E-07	1.06E-06	9.34E-07	6.3833E-05
391108.23	3783672.65	0.40625	1.310938	3.1166	0.31166	6.32E-05	1.25E-06	2.18E-06	9.01E-07	6.7543E-05
391180.54	3783606.79	0.40750	1.62607	2.24356	0.29032	6.34E-05	1.16E-06	1.57E-06	8.40E-07	6.6978E-05
390958.37	3783827.14	0.40111	1.31534	2.15566	0.33406	6.24E-05	9.35E-07	1.51E-06	9.66E-07	6.5828E-05
391272.99	3783542.05	0.40610	1.29423	1.55836	0.26800	6.32E-05	9.20E-07	1.09E-06	7.54E-07	6.5958E-05
391226.11	3783578.81	0.40185	1.54525	1.95435	0.27748	6.25E-05	1.10E-06	1.37E-06	8.03E-07	6.5801E-05
391208.37	3783585.33	0.40128	1.55090	2.01591	0.28052	6.24E-05	1.10E-06	1.41E-06	8.17E-07	6.5769E-05
390971.97	3783809.91	0.39607	1.34814	2.30965	0.33198	6.16E-05	9.58E-07	1.62E-06	9.60E-07	6.5169E-05
391027.92	3783755.15	0.39860	1.62509	3.27241	0.33712	6.20E-05	1.15E-06	2.26E-06	9.46E-07	6.6388E-05
391152.54	3783622.76	0.39942	1.61147	2.37685	0.29583	6.22E-05	1.15E-06	1.67E-06	8.50E-07	6.5814E-05
391072.13	3783705.46	0.39534	1.70792	3.34430	0.31675	6.15E-05	1.21E-06	2.34E-06	9.16E-07	6.5992E-05
391255.28	3783548.57	0.39523	1.37014	1.66868	0.26309	6.15E-05	9.74E-07	1.17E-06	7.61E-07	6.4405E-05
391116.4	3783655.66	0.39264	1.66205	2.75657	0.30230	6.11E-05	1.18E-06	1.93E-06	8.74E-07	6.5085E-05
391190.64	3783591.86	0.39320	1.53271	2.04776	0.28122	6.12E-05	1.09E-06	1.44E-06	8.13E-07	6.4523E-05
390939.1	3783888.45	0.37984	1.02182	1.51989	0.32658	5.91E-05	7.26E-07	1.07E-06	9.45E-07	6.1842E-05
390920.16	3783855.92	0.38213	1.11025	1.65416	0.32897	5.95E-05	7.89E-07	1.16E-06	9.52E-07	6.2362E-05
391036.0										

391112.94	3783620.58	0.34001	1.35793	2.04437	0.27533	5.29E-05	9.65E-07	1.43E-06	7.96E-07	5.6102E-05
391149.07	3783587.7	0.33841	1.30331	1.79881	0.26516	5.27E-05	9.26E-07	1.26E-06	7.67E-07	5.5613E-05
391210.06	3783545.69	0.33739	1.22546	1.54145	0.25103	5.25E-05	8.71E-07	1.08E-06	7.26E-07	5.5178E-05
391267.43	3783505.07	0.33462	1.05796	1.26101	0.23400	5.21E-05	7.52E-07	8.84E-07	6.77E-07	5.4382E-05
391076.85	3783653.39	0.33309	1.36464	2.24156	0.28192	5.18E-05	9.70E-07	1.57E-06	8.15E-07	5.5188E-05
391032.64	3783703.08	0.33167	1.35846	2.40818	0.29292	5.16E-05	9.65E-07	1.69E-06	8.47E-07	5.5111E-05
391227.75	3783539.18	0.33223	1.20616	1.48650	0.24651	5.17E-05	8.57E-07	1.04E-06	7.13E-07	5.4310E-05
390980.15	3783842.79	0.32497	0.94678	1.34629	0.30887	5.06E-05	6.73E-07	9.44E-07	8.93E-07	5.3078E-05
391192.36	3783552.19	0.33034	1.21629	1.55760	0.25166	5.14E-05	8.64E-07	1.09E-06	7.28E-07	5.4087E-05
391121.11	3783603.6	0.32683	1.28182	1.84984	0.26623	5.09E-05	9.11E-07	1.30E-06	7.70E-07	5.3835E-05
391249.75	3783511.57	0.32478	1.09116	1.31339	0.23523	5.05E-05	7.75E-07	9.21E-07	6.80E-07	5.2915E-05
391085	3783636.43	0.32343	1.30504	2.04978	0.27407	5.03E-05	9.27E-07	1.44E-06	7.93E-07	5.3485E-05
391040.78	3783686.13	0.32336	1.32332	2.28583	0.28619	5.03E-05	9.40E-07	1.60E-06	8.28E-07	5.3688E-05
391174.67	3783558.7	0.32307	1.20170	1.56784	0.25189	5.03E-05	8.54E-07	1.10E-06	7.29E-07	5.2954E-05
391157.24	3783570.71	0.32254	1.21827	1.63067	0.25540	5.02E-05	8.66E-07	1.14E-06	7.39E-07	5.2937E-05
391314.1	3783468.39	0.31770	0.91238	1.04871	0.21322	4.94E-05	6.48E-07	7.35E-07	6.17E-07	5.1437E-05
391048.93	3783669.18	0.31547	1.28199	2.14609	0.27934	4.91E-05	9.11E-07	1.50E-06	8.08E-07	5.2313E-05
391093.16	3783619.46	0.31415	1.24471	1.87616	0.26638	4.89E-05	8.85E-07	1.32E-06	7.70E-07	5.1854E-05
391129.27	3783586.63	0.31404	1.20782	1.68216	0.25737	4.89E-05	8.58E-07	1.18E-06	7.44E-07	5.1649E-05
391232.08	3783518.07	0.31171	1.08847	1.32568	0.23486	4.85E-05	7.74E-07	9.29E-07	6.79E-07	5.0886E-05
391296.43	3783474.89	0.30901	0.93246	1.08199	0.21563	4.81E-05	6.63E-07	7.59E-07	6.24E-07	5.0129E-05
391057.08	3783652.23	0.30846	1.22809	1.99405	0.27278	4.80E-05	8.73E-07	1.40E-06	7.89E-07	5.1058E-05
391214.4	3783524.58	0.30738	1.09172	1.34914	0.23650	4.78E-05	7.76E-07	9.46E-07	6.84E-07	5.0236E-05
391196.72	3783531.08	0.30462	1.09234	1.37157	0.23831	4.74E-05	7.76E-07	9.62E-07	6.89E-07	4.9828E-05
391101.31	3783602.5	0.30275	1.18099	1.71131	0.25791	4.71E-05	8.39E-07	1.20E-06	7.46E-07	4.9895E-05
391278.77	3783481.38	0.30096	0.94869	1.11191	0.21774	4.68E-05	6.74E-07	7.80E-07	6.30E-07	4.8915E-05
391137.43	3783569.65	0.30176	1.13710	1.53730	0.24682	4.70E-05	8.08E-07	1.08E-06	7.20E-07	4.9561E-05
391065.23	3783635.28	0.30031	1.18516	1.85177	0.26558	4.67E-05	8.42E-07	1.30E-06	7.68E-07	4.9639E-05
391339.51	3783439.53	0.29759	0.78395	0.88818	0.19744	4.63E-05	5.57E-07	6.23E-07	5.71E-07	4.8058E-05
391179.04	3783537.58	0.29887	1.08356	1.38178	0.23887	4.65E-05	7.70E-07	9.69E-07	6.91E-07	4.8936E-05
391109.47	3783585.54	0.29371	1.12196	1.57419	0.25049	4.57E-05	7.97E-07	1.10E-06	7.25E-07	4.8329E-05
391386.69	3783383.15	0.29184	0.62092	0.69042	0.17803	4.54E-05	4.41E-07	4.84E-07	5.15E-07	4.6852E-05
391073.38	3783618.33	0.29150	1.14272	1.71691	0.25807	4.54E-05	8.12E-07	1.20E-06	7.46E-07	4.8122E-05
391161.36	3783544.08	0.29250	1.06998	1.38613	0.23898	4.55E-05	7.60E-07	9.72E-07	6.91E-07	4.7938E-05
391261.11	3783487.88	0.29062	0.95515	1.13073	0.21860	4.52E-05	6.79E-07	7.93E-07	6.32E-07	4.7326E-05
391145.59	3783552.68	0.28933	1.06905	1.40893	0.24038	4.50E-05	7.60E-07	9.88E-07	6.95E-07	4.7464E-05
391321.85	3783446.02	0.28728	0.80134	0.91481	0.19933	4.47E-05	5.69E-07	6.41E-07	5.77E-07	4.6490E-05
391304.2	3783452.52	0.28351	0.82640	0.95167	0.20276	4.41E-05	5.87E-07	6.67E-07	5.86E-07	4.5957E-05
391353.88	3783414.73	0.28318	0.69938	0.78686	0.18676	4.41E-05	4.97E-07	5.52E-07	5.40E-07	4.5654E-05
391117.62	3783568.58	0.28365	1.06257	1.44824	0.24278	4.41E-05	7.55E-07	1.02E-06	7.02E-07	4.6610E-05
391243.44	3783494.38	0.28338	0.96084	1.14986	0.21978	4.41E-05	6.83E-07	8.06E-07	6.36E-07	4.6270E-05
391081.53	3783601.38	0.28166	1.08986	1.58027	0.25019	4.38E-05	7.75E-07	1.11E-06	7.24E-07	4.6434E-05
391208.12	3783507.37	0.28182	0.98260	1.20693	0.22504	4.39E-05	6.98E-07	8.46E-07	6.51E-07	4.6048E-05
391225.78	3783500.87	0.27917	0.96724	1.17126	0.22143	4.34E-05	6.87E-07	8.21E-07	6.40E-07	4.5590E-05
391190.46	3783513.87	0.27942	0.98325	1.22433	0.22672	4.35E-05	6.99E-07	8.58E-07	6.56E-07	4.5692E-05
391336.02	3783421.3	0.27695	0.72101	0.81701	0.18956	4.31E-05	5.12E-07	5.73E-07	5.48E-07	4.4729E-05
391286.55	3783459.01	0.27659	0.84269	0.97897	0.20495	4.30E-05	5.99E-07	6.86E-07	5.93E-07	4.4917E-05
391358.14	3783393.65	0.27569	0.64724	0.72669	0.18073	4.29E-05	4.60E-07	5.09E-07	5.23E-07	4.4391E-05
391089.68	3783584.44	0.27480	1.04182	1.46718	0.24371	4.28E-05	7.40E-07	1.03E-06	7.05E-07	4.5235E-05
391318.16	3783427.87	0.27365	0.74455	0.85033	0.19301	4.26E-05	5.29E-07	5.96E-07	5.58E-07	4.4265E-05
391172.79	3783520.36	0.27495	0.97680	1.23271	0.22745	4.28E-05	6.94E-07	8.64E-07	6.58E-07	4.5000E-05
391125.78	3783551.62	0.27328	1.00458	1.33497	0.23510	4.25E-05	7.14E-07	9.36E-07	6.80E-07	4.4854E-05
391300.29	3783434.44	0.27113	0.76510	0.88115	0.19654	4.22E-05	5.44E-07	6.18E-07	5.68E-07	4.3920E-05
391340.29	3783400.21	0.26983	0.65994	0.74622	0.18345	4.20E-05	4.69E-07	5.23E-07	5.31E-07	4.3510E-05
391268.9	3783465.5	0.27067	0.85646	1.00420	0.20700	4.21E-05	6.09E-07	7.04E-07	5.99E-07	4.4029E-05
391054.57	3783615.19	0.27031	1.04254	1.55016	0.24940	4.21E-05	7.41E-07	1.09E-06	7.21E-07	4.4611E-05
391251.25	3783471.99	0.27010	0.87513	1.03702	0.21029	4.20E-05	6.22E-07	7.27E-07	6.08E-07	4.3987E-05
391233.6	3783478.48	0.27011	1.06850	1.08487	0.21343	4.20E-05	6.31E-07	7.47E-07	6.17E-07	4.4026E-05
391155.13	3783526.86	0.27042	0.96702	1.23738	0.22798	4.21E-05	6.87E-07	8.67E-07	6.59E-07	4.4293E-05
390993.56	3783699.81	0.26909	0.98088	1.54902	0.26759	4.19E-05	6.97E-07	1.09E-06	7.74E-07	4.4429E-05
391215.95	3783484.97	0.26808	0.87303	1.06145	0.21570	4.17E-05	6.20E-07	7.44E-07	6.24E-07	4.3704E-05
391097.83	3783567.49	0.26655	0.99200	1.35916	0.23676	4.15E-05	7.05E-07	9.53E-07	6.85E-07	4.3820E-05
391010.04	3783665.54	0.26489	0.98152	1.55057	0.25908	4.12E-05	6.98E-07	1.09E-06	7.49E-07	4.3753E-05
391001.8	3783682.68	0.26493	0.96332	1.51221	0.26200	4.12E-05	6.85E-07	1.06E-06	7.58E-07	4.3727E-05
391282.43	3783441.01	0.26360	0.77873	0.90421	0.19837	4.10E-05	5.53E-07	6.34E-07	5.74E-07	4.2779E-05
391137.47	3783533.36	0.26491	0.95295	1.23619	0.22796	4.12E-05	6.77E-07	8.67E-07	6.59E-07	4.3425E-05
391018.28	3783648.41	0.26354	1.01317	1.56690	0.25412	4.10E-05	7.20E-07	1.10E-06	7.35E-07	4.3562E-05
391198.3	3783491.47	0.26402	0.87344	1.07398	0.21686	4.11E-05	6.21E-07	7.53E-07	6.27E-07	4.3084E-05
391322.45	3783406.78	0.26142	0.67620	0.76975	0.18539	4.07E-05	4.81E-07	5.40E-07	5.23E-07	4.2235E-05
391062.82	3783598.04	0.26234	1.00236	1.44439	0.24226	4.08E-05	7.12E-07	1.01E-06	7.01E-07	4.3248E-05
391264.56	3783447.58	0.25890	0.78945	0.92494	0.20065	4.03E-05	5.61E-07	6.48E-07	5.80E-07	4.2076E-05
391180.65	3783497.96	0.25970	0.80939	1.08939	0.21760	4.04E-05	6.23E-07	7.64E-07	6.29E-07	4.2427E-05
391105.98	3783550.54	0.25818	0.94298	1.26083	0.22989	4.02E-05	6.70E-07	8.84E-07	6.65E-07	4.2394E-05
391071.06	3783580.88	0.25665	1.24611	1.34611	0.23636	3.99E-05	6.81E-07	9.44E-07	6.84E-07	4.2245E-05
391304.61	3783531.34	0.25474	0.68872	0.76866	0.18760	3.96E-05	4.75E-07	5.39E-07	4.43E-07	4.1196E-05
390910.5	3783793.44	0.25344	0.81342	1.11573	0.27652	3.94E-05	5.78E-07	7.82E-07	8.00E-07	4.1597E-05
391163	3783504.45	0.25471	0.88098	1.10513	0.21780	3.96E-05	6.26E-07	7.75E-07	6.30E-07	4.1665E-05
390919.39	3783777.24	0.24949	0.82251	1.14633	0.27234	3.88E-05	5.85E-07	8.04E-07	7.88E-07	4.0998E-05
391145.35	3783510.94	0.25078	0.85853	1.09262	0.21843	3.90E-05	6.10E-07	7.66E-07	6.32E-07	4.1031E-05
391286.77	3783419.9	0.24839	0.68299	0.79071	0.18956	3.87E-05	4.85E-07	5.54E-07	5.48E-07	4.0239E-05
391114.13	3783533.59	0.24999	0.89024	1.16655	0.22329	3.89E-05	6.33E-07	8.18E-07	6.46E-07	4.0996E-05
391079.31	3783563.73	0.24912	0.91809	1.25583	0.22966	3.88E-05	6.52E-07	8.80E-07	6.64E-07	4.0962E-05
390928.27	3783761.04	0.24829	0.84081	1.19664	0.26990	3.86E-05	5.98E-07	8.39E-07	7.81E-07	4.0853E-05
391127										

La Cañada Unified School District—New Outdoor Pool Facility and South of Campus Improvement Project

Construction Annual DPM Emissions (PM10 Exhaust)—Mitigated Concentrations

Maximum DPM (ug/m3)	MIR UTM
	X Y
3.8387E-02	391342.64 3784067.69

X	Y	Entire Site DPM (ug/m3)	Phases 1-3 DPM (ug/m3)	Total DPM (ug/m3)
391337.51	3783912.24	0.01946255	0.01892406	0.038387
391317.37	3783915.38	0.01457667	0.01406819	0.028645
391342.64	3784067.69	0.01433963	0.01361616	0.027956
391324.53	3784070.25	0.01229170	0.01162024	0.023912
391371.27	3784068.39	0.01209642	0.01152636	0.023623
391300.02	3783909.25	0.01072530	0.01040413	0.021129
391311.65	3783951.44	0.01051308	0.01018090	0.020694
391309.59	3783931.67	0.01050501	0.01012722	0.020632
391310.14	3783988.99	0.01006876	0.00969664	0.019765
391307.22	3784064.13	0.00984393	0.00936522	0.019209
391302.73	3784043.5	0.00941645	0.00908057	0.018497
391341.56	3784087.42	0.00917868	0.00856172	0.017740
391304.39	3783967.92	0.00897826	0.00867854	0.017657
391323.62	3784088.97	0.00825591	0.00770227	0.015958
391289.78	3783885.53	0.00824820	0.00816533	0.016414
391301.69	3784005.05	0.00788967	0.00758230	0.015472
391371.12	3784088.15	0.00758917	0.00709595	0.014685
391291.08	3783925.13	0.00746559	0.00722926	0.014695
391306.26	3784082.83	0.00731923	0.00687273	0.014192
391294.43	3783945.35	0.00727795	0.00703319	0.014311
391292.88	3783982.89	0.00673952	0.00649739	0.013237
391293.85	3784021.31	0.00664099	0.00638321	0.013024
391282.67	3783903.11	0.00663877	0.00651201	0.013151
391340.47	3784107.16	0.00629682	0.00581764	0.012114
391287.08	3783961.79	0.00607090	0.00586930	0.011940
391321.87	3784107.39	0.00585695	0.00541838	0.011275
391284.35	3783998.92	0.00549212	0.00528617	0.010778
391304.55	3784101.27	0.00547128	0.00509286	0.010564
391370.97	3784107.91	0.00539275	0.00499570	0.010388
391277.21	3783939.26	0.00512899	0.00498169	0.010111
391283.21	3783868.49	0.00509121	0.00514292	0.010234
391273.81	3783919.02	0.00500056	0.00489200	0.009893
391275.62	3783976.78	0.00472648	0.00456925	0.009296
391276.56	3784015.2	0.00466377	0.00448472	0.009148
391339.39	3784126.89	0.00453779	0.00416116	0.008699
391321.35	3784126.25	0.00435089	0.00399553	0.008346
391272.6	3784051.88	0.00434079	0.00415293	0.008494
391271.27	3783887.43	0.00435198	0.00434491	0.008697
391269.77	3783955.67	0.00429465	0.00417131	0.008466
391304.06	3784120.14	0.00423462	0.00391224	0.008147
391271.54	3784070.55	0.00407472	0.00387428	0.007949
391267.02	3783992.79	0.00396832	0.00383347	0.007802
391446.84	3783935.37	0.00398589	0.00411348	0.008099
391370.82	3784127.67	0.00395634	0.00363731	0.007594
391446.71	3783915.61	0.00397203	0.00413417	0.008106
391446.58	3783895.85	0.00383180	0.00401847	0.007850
391354.7	3784138.05	0.00377286	0.00345037	0.007223
391269.9	3784089.01	0.00361669	0.00341444	0.007031
391259.99	3783933.17	0.00356534	0.00349762	0.007063
391446.45	3783876.09	0.00356679	0.00376846	0.007335
391259.27	3784009.09	0.00344122	0.00332110	0.006762
391258.36	3783970.68	0.00343119	0.00333645	0.006768
391338.3	3784146.62	0.00343782	0.00313354	0.006571
391319.23	3784144.54	0.00340415	0.00310987	0.006514
391259.4	3783906.54	0.00340441	0.00338120	0.006786
391301.89	3784138.41	0.00334535	0.00307282	0.006418
391388.88	3784127.81	0.00336590	0.00311316	0.006479
391255.29	3784045.76	0.00318078	0.00305220	0.006233
391269.47	3784107.9	0.00317606	0.00297635	0.006152
391452.68	3783969.39	0.00316687	0.00322278	0.006390
391254.18	3784064.41	0.00307655	0.00293833	0.006015
391370.68	3784147.43	0.00306088	0.00279809	0.005859
391251.22	3783949.11	0.00300114	0.00294349	0.005945
391249.69	3783986.66	0.00294337	0.00286119	0.005805
391355.14	3784157.24	0.00293918	0.00267416	0.005613
391252.57	3784082.89	0.00285771	0.00271399	0.005572
391450.03	3784011.79	0.00289541	0.00288306	0.005778
391264.65	3783870.26	0.00280707	0.00286359	0.005671
391453.41	3783859.26	0.00278299	0.00296147	0.005744
391318.7	3784163.4	0.00274938	0.00250013	0.005250
391301.39	3784157.28	0.00274021	0.00250389	0.005244
391337.21	3784166.35	0.00272913	0.00247654	0.005206
391455.36	3783992.82	0.00275439	0.00277486	0.005529

391267.21	3784126.15	0.00270957	0.00252382	0.005233
391388.73	3784147.57	0.00269410	0.00247731	0.005171
391252.18	3784101.79	0.00262680	0.00247862	0.005105
391240.75	3784002.53	0.00255678	0.00248463	0.005041
391245.64	3783920.74	0.00256343	0.00255313	0.005117
391252.81	3783889.45	0.00257246	0.00259956	0.005172
391276.63	3783851.46	0.00258597	0.00269087	0.005277
391241.1	3783964.58	0.00252622	0.00247988	0.005006
391449.43	3784040.65	0.00256597	0.00252916	0.005095
391452.49	3783839.18	0.00247400	0.00264787	0.005122
391237.98	3784039.64	0.00244398	0.00235715	0.004801
391370.53	3784167.19	0.00246477	0.00224331	0.004708
391236.82	3784058.27	0.00238702	0.00229182	0.004679
391466.73	3783955.5	0.00240926	0.00248650	0.004896
391354.56	3784176.08	0.00240060	0.00217595	0.004577
391468.8	3783925.75	0.00238400	0.00249209	0.004876
391266.78	3784145.03	0.00234708	0.00217265	0.004520
391249.88	3784120.01	0.00232382	0.00218031	0.004504
391235.25	3784076.76	0.00227625	0.00217447	0.004451
391300.47	3784175.99	0.00227435	0.00206857	0.004343
391317.82	3784182.13	0.00227003	0.00205601	0.004326
391336.13	3784186.08	0.00222736	0.00201360	0.004241
391232.36	3783980.53	0.00222081	0.00218025	0.004401
391234.89	3784095.67	0.00215682	0.00204834	0.004205
391388.58	3784167.33	0.00220892	0.00202143	0.004230
391234.21	3783940.98	0.00216081	0.00215174	0.004313
391474.95	3783907.59	0.00209972	0.00221177	0.004311
391249.47	3784138.91	0.00207664	0.00193645	0.004013
391451.73	3783819.15	0.00207854	0.00223608	0.004315
391265.78	3784163.72	0.00203398	0.00187278	0.003907
391239.07	3783903.7	0.00205139	0.00208111	0.004132
391474.82	3783887.83	0.00203646	0.00215673	0.004193
391370.38	3784186.95	0.00203909	0.00184929	0.003888
391353.76	3784194.84	0.00200395	0.00181041	0.003814
391232.54	3784113.88	0.00196446	0.00185596	0.003820
391223.46	3783996.42	0.00196912	0.00193430	0.003903
391220.68	3784033.52	0.00192103	0.00186810	0.003789
391469.78	3784012.16	0.00193476	0.00194962	0.003884
391219.46	3784052.13	0.00188939	0.00182758	0.003717
391223.84	3783958.47	0.00188266	0.00187792	0.003761
391480.79	3783941.61	0.00187302	0.00195493	0.003828
391335.04	3784205.82	0.00185764	0.00167387	0.003532
391248.43	3784157.59	0.00183850	0.00170496	0.003543
391217.93	3784070.63	0.00183575	0.00176598	0.003602
391232.16	3784132.79	0.00180331	0.00169368	0.003497
391388.44	3784187.09	0.00185209	0.00168814	0.003540
391435.6	3783792.77	0.00182082	0.00198755	0.003808
391227.6	3783923.85	0.00180374	0.00183224	0.003636
391217.59	3784089.55	0.00177708	0.00169921	0.003476
391478.14	3783984.01	0.00178260	0.00182838	0.003611
391453.3	3784085.61	0.00179303	0.00174016	0.003533
391469.14	3784041.96	0.00175606	0.00174708	0.003503
391306.46	3784209.5	0.00173569	0.00156601	0.003302
391246.21	3783872.35	0.00176310	0.00183142	0.003595
391463.33	3784064.54	0.00173571	0.00170667	0.003442
391370.23	3784206.72	0.00171453	0.00154997	0.003265
391215.03	3783974.4	0.00169345	0.00169347	0.003387
391215.2	3784107.75	0.00165540	0.00157481	0.003230
391287.12	3784207.23	0.00165665	0.00150042	0.003157
391485.33	3783872.47	0.00164023	0.00174483	0.003385
391231.08	3784151.45	0.00163231	0.00152477	0.003157
391258.02	3783853.1	0.00165571	0.00175693	0.003413
391244.7	3784178.79	0.00157310	0.00145159	0.003025
391333.96	3784225.55	0.00157634	0.00141629	0.002993
391484.02	3783852.22	0.00155984	0.00166481	0.003225
391214.85	3784126.67	0.00155417	0.00146995	0.003024
391203.37	3784027.4	0.00154490	0.00152723	0.003072
391388.29	3784206.85	0.00157827	0.00143355	0.003012
391202.1	3784045.99	0.00153275	0.00150235	0.003035
391352.03	3784226.34	0.00153762	0.00138258	0.002920
391206.18	3783990.31	0.00152208	0.00153138	0.003053
391200.6	3784064.5	0.00150495	0.00146297	0.002968
391447	3784124.93	0.00157208	0.00149689	0.003069
391494.84	3783927.72	0.00149613	0.00157432	0.003070
391304.92	3784229.2	0.00148637	0.00133696	0.002823
391200.3	3784083.44	0.00147281	0.00142004	0.002893
391370.09	3784226.48	0.00146429	0.00132000	0.002784
391227.82	3784171.51	0.00143709	0.00133584	0.002773
391213.74	3784145.32	0.00143444	0.00134949	0.002784
391285.03	3784226.9	0.00142892	0.00128993	0.002719
391466.56	3783805.58	0.00142404	0.00153412	0.002958
391482.94	3783832.07	0.00142044	0.00152096	0.002941
391492.19	3783970.12	0.00142444	0.00147956	0.002904
391197.86	3784101.62	0.00139327	0.00133546	0.002729
391239.82	3784197.94	0.00136224	0.00125244	0.002615
391197.54	3784120.55	0.00133358	0.00127024	0.002604

391332.87	3784245.28	0.00134482	0.00120441	0.002549
391388.14	3784226.61	0.00136139	0.00123270	0.002594
391465.67	3784102.35	0.00135026	0.00130817	0.002658
391351.88	3784246.1	0.00131768	0.00118149	0.002499
391210.93	3784164.22	0.00129625	0.00121376	0.002510
391474.63	3784083.53	0.00131635	0.00129171	0.002608
391489.54	3784012.52	0.00130317	0.00133094	0.002634
391300.9	3784248.67	0.00126753	0.00113647	0.002404
391222.95	3784190.66	0.00126042	0.00116714	0.002428
391196.39	3784139.18	0.00125174	0.00118581	0.002438
391369.94	3784246.24	0.00126340	0.00113585	0.002399
391282.93	3784246.55	0.00122645	0.00110301	0.002329
391483.58	3784064.72	0.00123483	0.00122916	0.002464
391508.9	3783913.83	0.00121737	0.00128820	0.002506
391410.39	3784217.97	0.00130863	0.00119824	0.002507
391435.15	3783772.88	0.00122605	0.00134638	0.002572
391488.86	3784043.27	0.00121262	0.00122226	0.002435
391508.4	3783889.21	0.00120182	0.00127717	0.002479
391234.93	3784217.09	0.00119094	0.00109133	0.002282
391459.96	3784139.6	0.00121655	0.00115799	0.002375
391263.76	3784243.09	0.00116863	0.00105596	0.002225
391331.78	3784265.01	0.00117019	0.00104557	0.002216
391206.08	3784183.38	0.00115197	0.00107442	0.002226
391506.25	3783956.23	0.00115309	0.00120921	0.002362
391387.99	3784246.37	0.00118472	0.00106969	0.002254
391180.53	3784095.49	0.00113770	0.00110372	0.002241
391451.89	3784162.44	0.00119838	0.00112894	0.002327
391180.24	3784114.43	0.00112763	0.00108207	0.002210
391351.73	3784265.86	0.00114507	0.00102436	0.002169
391465.89	3783785.6	0.00112544	0.00121860	0.002344
391218.07	3784209.82	0.00111207	0.00102612	0.002138
391192.73	3784167.5	0.00110541	0.00103968	0.002145
391299.23	3784268.36	0.00111098	0.00099364	0.002105
391179.04	3784133.04	0.00108283	0.00103283	0.002116
391369.79	3784266	0.00110253	0.00098895	0.002091
391280.49	3784266.15	0.00107679	0.00096379	0.002041
391408.91	3784238.25	0.00114232	0.00104085	0.002183
391503.6	3783998.63	0.00106548	0.00110165	0.002167
391180.97	3784153.47	0.00105107	0.00099582	0.002047
391474.86	3784125.76	0.00107318	0.00103396	0.002107
391201.22	3784202.54	0.00102737	0.00095466	0.001982
391330.7	3784284.74	0.00103050	0.00091898	0.001949
391484.27	3784106.01	0.00102897	0.00100601	0.002035
391387.84	3784266.13	0.00103775	0.00093461	0.001972
391351.59	3784285.63	0.00100815	0.00090029	0.001908
391497.51	3783818.39	0.00098389	0.00105693	0.002041
391515.55	3783865.27	0.00097678	0.00104291	0.002020
391297.56	3784288.05	0.00098492	0.00087661	0.001862
391213.12	3784228.94	0.00097102	0.00089287	0.001864
391242.86	3784259.68	0.00096604	0.00087386	0.001840
391520.31	3783942.34	0.00095461	0.00100767	0.001962
391278.38	3784285.81	0.00095544	0.00085295	0.001808
391493.67	3784086.25	0.00095787	0.00095128	0.001909
391523.67	3783901.72	0.00094616	0.00100578	0.001952
391184.36	3784195.27	0.00093984	0.00087937	0.001819
391473.04	3784154.23	0.00096325	0.00091738	0.001881
391172.16	3784171.15	0.00093112	0.00087986	0.001811
391509.06	3784025.9	0.00092329	0.00094711	0.001870
391514.15	3783844.98	0.00091432	0.00097862	0.001893
391258.72	3784282.26	0.00091549	0.00082109	0.001737
391464.43	3784177.27	0.00095208	0.00089714	0.001849
391517.65	3783984.74	0.00091089	0.00095070	0.001862
391196.21	3784221.64	0.00090513	0.00083813	0.001743
391329.61	3784304.48	0.00091949	0.00081617	0.001736
391419.89	3784253.69	0.00099024	0.00090551	0.001896
391454.89	3784200.69	0.00096608	0.00090368	0.001870
391503.08	3784066.5	0.00089352	0.00089946	0.001793
391508.58	3784044.58	0.00088485	0.00090098	0.001786
391351.44	3784305.39	0.00089972	0.00079999	0.001700
391295.89	3784307.74	0.00087949	0.00078125	0.001661
391465.3	3783765.65	0.00087054	0.00094704	0.001818
391208.25	3784248.09	0.00086392	0.00079189	0.001656
391238.62	3784278.98	0.00086003	0.00077588	0.001636
391276.26	3784305.46	0.00085443	0.00076108	0.001616
391179.29	3784214.34	0.00084498	0.00078784	0.001633
391434.74	3783753.01	0.00085512	0.00093977	0.001795
391369.49	3784305.52	0.00086977	0.00077581	0.001646
391496.63	3783798.32	0.00082620	0.00089044	0.001717
391163.37	3784188.85	0.00082280	0.00077564	0.001598
391257.09	3784302	0.00082262	0.00073578	0.001558
391523.9	3784002.71	0.00081492	0.00084729	0.001662
391191.35	3784240.8	0.00080947	0.00074705	0.001557
391493.36	3784129.63	0.00082119	0.00080003	0.001621
391328.53	3784324.21	0.00082662	0.00073308	0.001560
391531.71	3783970.85	0.00079519	0.00083578	0.001631
391157.91	3784159.53	0.00079214	0.00075784	0.001550

391387.55	3784305.66	0.00083085	0.00074484	0.001576
391536.5	3783933.79	0.00078150	0.00082806	0.001610
391351.29	3784325.15	0.00081326	0.00072314	0.001536
391203.37	3784267.25	0.00077542	0.00070871	0.001484
391537.65	3783887.63	0.00076578	0.00081622	0.001582
391234.38	3784298.29	0.00076992	0.00069294	0.001463
391503.12	3784109.15	0.00077376	0.00076501	0.001539
391174.45	3784233.51	0.00076343	0.00070937	0.001473
391486.18	3784168.82	0.00077909	0.00074272	0.001522
391369.35	3784325.28	0.00079442	0.00070941	0.001504
391477.13	3784192.04	0.00076575	0.00072222	0.001488
391186.49	3784259.96	0.00073062	0.00067219	0.001403
391528.47	3783831.2	0.00072606	0.00077822	0.001504
391306.44	3784342.18	0.00075130	0.00066601	0.001417
391512.87	3784088.66	0.00073214	0.00073389	0.001466
391528.82	3784026.26	0.00072667	0.00075093	0.001478
391327.44	3784343.94	0.00075680	0.00067183	0.001429
391154.58	3784206.55	0.00071881	0.00067756	0.001396
391271.33	3784337.23	0.00072286	0.00064239	0.001365
391387.4	3784325.42	0.00077316	0.00069518	0.001468
391471.66	3784213.87	0.00074983	0.00070257	0.001452
391254.65	3784329.88	0.00071506	0.00063761	0.001353
391495.86	3783778.29	0.00069999	0.00075714	0.001457
391351.14	3784344.91	0.00075494	0.00067358	0.001429
391198.5	3784286.4	0.00069966	0.00063776	0.001337
391149.16	3784177.27	0.00069383	0.00066293	0.001357
391462.62	3784237.09	0.00078090	0.00072947	0.001510
391237.96	3784322.53	0.00070037	0.00062735	0.001328
391528.3	3784045.89	0.00069354	0.00071169	0.001405
391522.62	3784068.17	0.00069369	0.00070432	0.001398
391371.51	3783753.92	0.00071099	0.00079147	0.001502
391550.32	3783919.31	0.00068241	0.00072524	0.001408
391169.6	3784252.67	0.00068135	0.00063180	0.001313
391464.78	3783745.73	0.00068150	0.00074394	0.001425
391221.28	3784315.18	0.00067806	0.00061069	0.001289
391369.2	3784345.05	0.00075814	0.00068188	0.001440
391527.37	3783811.04	0.00066862	0.00071837	0.001387
391502.07	3784154.06	0.00068105	0.00065954	0.001341
391549.33	3783965.87	0.00066841	0.00070524	0.001374
391543.12	3783999.36	0.00066610	0.00069674	0.001363
391181.63	3784279.12	0.00066015	0.00060600	0.001266
391551.64	3783873.58	0.00065642	0.00070070	0.001357
391548	3783852.56	0.00065039	0.00069550	0.001346
391326.35	3784363.67	0.00071494	0.00063804	0.001353
391268.08	3784356.73	0.00065964	0.00058598	0.001246
391251.45	3784349.39	0.00065134	0.00058013	0.001231
391387.25	3784345.18	0.00079123	0.00072292	0.001514
391512.11	3784132.99	0.00064140	0.00063080	0.001272
391145.78	3784224.25	0.00063076	0.00059392	0.001225
391351	3784364.67	0.00076631	0.00069460	0.001461
391234.81	3784342.06	0.00063846	0.00057091	0.001209
391295.86	3783789.6	0.00064857	0.00071353	0.001362
391499.38	3784183.4	0.00063779	0.00060951	0.001247
391164.75	3784271.84	0.00062051	0.00057358	0.001194
391434.38	3783733.15	0.00062428	0.00068585	0.001310
391186.57	3784299.89	0.00061596	0.00056230	0.001178
391140.41	3784195	0.00061066	0.00058293	0.001194
391522.14	3784111.92	0.00061040	0.00060872	0.001219
391564.18	3783904.94	0.00060125	0.00064026	0.001242
391526.42	3783790.94	0.00060054	0.00064703	0.001248
391492.58	3784205.75	0.00061599	0.00058247	0.001198
391495.18	3783758.31	0.00059078	0.00064143	0.001232
391562.99	3783950.99	0.00058847	0.00062347	0.001212
391201.53	3784327.4	0.00059341	0.00053642	0.001130
391483.99	3784228.79	0.00062137	0.00058274	0.001204
391548.58	3784026.63	0.00058865	0.00061196	0.001201
391169.22	3784292.24	0.00058631	0.00053888	0.001125
391474.71	3784252.1	0.00064599	0.00060330	0.001249
391264.83	3784376.22	0.00061154	0.00054394	0.001155
391532.17	3784090.85	0.00058334	0.00058947	0.001173
391248.16	3784368.87	0.00059885	0.00053328	0.001132
391147.88	3784264.56	0.00057965	0.00053947	0.001119
391231.49	3784361.53	0.00058412	0.00052178	0.001106
391565.64	3783859.56	0.00056689	0.00060577	0.001173
391184.89	3784320.07	0.00056683	0.00051567	0.001083
391136.98	3784241.94	0.00056064	0.00052731	0.001088
391548.02	3784047.2	0.00056119	0.00057964	0.001141
391542.2	3784069.78	0.00055879	0.00057155	0.001130
391562.16	3783997.94	0.00055584	0.00058384	0.001140
391368.9	3784384.57	0.00074360	0.00067625	0.001420
391152.54	3784284.89	0.00055306	0.00051174	0.001065
391558.11	3783823.76	0.00054155	0.00058052	0.001122
391198.15	3784346.84	0.00054456	0.00049126	0.001036
391464.31	3783725.82	0.00053785	0.00058859	0.001126
391168.26	3784312.74	0.00053946	0.00049400	0.001033
391578.08	3783890.66	0.00053144	0.00056667	0.001098

391520.77	3784157.53	0.00054006	0.00052831	0.001068
391525.58	3783770.88	0.00053086	0.00057374	0.001105
391576.73	3783936.3	0.00053114	0.00056425	0.001095
391261.58	3784395.71	0.00058146	0.00051966	0.001101
391244.88	3784388.35	0.00055887	0.00049845	0.001057
391386.96	3784384.7	0.00063936	0.00057607	0.001215
391354.17	3783746.36	0.00053953	0.00059679	0.001136
391350.7	3784404.19	0.00063715	0.00057176	0.001209
391181.48	3784339.5	0.00052229	0.00047396	0.000996
391513.5	3784197.62	0.00052456	0.00050266	0.001027
391336.46	3783754.15	0.00052683	0.00058197	0.001109
391531.03	3784135.98	0.00051590	0.00051164	0.001028
391151.62	3784305.41	0.00051122	0.00047122	0.000982
391556.98	3783803.58	0.00050477	0.00054225	0.001047
391408.97	3784376.15	0.00060508	0.00054645	0.001152
391368.76	3784404.33	0.00058590	0.00052315	0.001109
391303.9	3783772.88	0.00051867	0.00057135	0.001090
391128.19	3784259.64	0.00050153	0.00047127	0.000973
391575.66	3783982.67	0.00049923	0.00052709	0.001026
391505.36	3784220.49	0.00051655	0.00048908	0.001006
391441.49	3784343.82	0.00069239	0.00064050	0.001333
391496.47	3784243.64	0.00052395	0.00049193	0.001016
391494.58	3783738.35	0.00049588	0.00054025	0.001036
391371.38	3783734.16	0.00050661	0.00055945	0.001066
391164.81	3784332.15	0.00049875	0.00045542	0.000954
391486.97	3784267.04	0.00054227	0.00050662	0.001049
391579.65	3783845.56	0.00049155	0.00052570	0.001017
391194.79	3784366.28	0.00050324	0.00045325	0.000956
391541.29	3784114.43	0.00049540	0.00049792	0.000993
391323.1	3784422.87	0.00059410	0.00053124	0.001125
391568.34	3784026.99	0.00048975	0.00051160	0.001001
391276.14	3783788.36	0.00050211	0.00055012	0.001052
391258.34	3784415.2	0.00059464	0.00053963	0.001134
391241.68	3784407.86	0.00053485	0.00047962	0.001014
391590.53	3783921.76	0.00048069	0.00051159	0.000992
391386.81	3784404.46	0.00054368	0.00048484	0.001029
391178.09	3784358.93	0.00048362	0.00043793	0.000922
391350.55	3784423.96	0.00053862	0.00047789	0.001017
391551.55	3784092.88	0.00047722	0.00048575	0.000963
391434.05	3783713.3	0.00047625	0.00052308	0.000999
391430.98	3784367.6	0.00056261	0.00051036	0.001073
391592.01	3783876.45	0.00046901	0.00050059	0.000970
391148.14	3784324.81	0.00047420	0.00043576	0.000910
391208.36	3784393.19	0.00048731	0.00043688	0.000924
391567.74	3784048.51	0.00046644	0.00048436	0.000951
391555.99	3783783.46	0.00046170	0.00049721	0.000959
391524.84	3783750.87	0.00046150	0.00050040	0.000962
391368.61	3784424.09	0.00051262	0.00045434	0.000967
391589.28	3783967.67	0.00045920	0.00048655	0.000946
391561.81	3784071.33	0.00046158	0.00047514	0.000937
391095.52	3784080.23	0.00045901	0.00045461	0.000914
391122.93	3784291.84	0.00045910	0.00042812	0.000887
391161.39	3784351.57	0.00046266	0.00042142	0.000884
391191.7	3784385.85	0.00046898	0.00042197	0.000891
391290.39	3784439.21	0.00056801	0.00050972	0.001078
391582.69	3784003.75	0.00045205	0.00047596	0.000928
391420.18	3784391.5	0.00050673	0.00045483	0.000962
391463.25	3784335.37	0.00060307	0.00055975	0.001163
391322.01	3784442.6	0.00050858	0.00045011	0.000959
391131.47	3784317.46	0.00044939	0.00041557	0.000865
391533.6	3784173.3	0.00045280	0.00044309	0.000896
391238.4	3784427.35	0.00055909	0.00050999	0.001069
391386.66	3784424.23	0.00048403	0.00042924	0.000913
391341.02	3784443.42	0.00048848	0.00043112	0.000920
391175.04	3784378.51	0.00045044	0.00040720	0.000858
391144.69	3784344.21	0.00044097	0.00040413	0.000845
391604.37	3783907.33	0.00043442	0.00046294	0.000897
391453	3784359.05	0.00051306	0.00046819	0.000981
391593.67	3783831.58	0.00043089	0.00046112	0.000892
391468.91	3783708.02	0.00043286	0.00047430	0.000907
391205.03	3784412.64	0.00046251	0.00041555	0.000878
391526.72	3784212.19	0.00044037	0.00042293	0.000863
391543.25	3784153.04	0.00043558	0.00043153	0.000867
391409.13	3784415.5	0.00046591	0.00041497	0.000881
391602.97	3783952.87	0.00042397	0.00045034	0.000874
391368.46	3784443.85	0.00046054	0.00040628	0.000867
391158.39	3784371.17	0.00043139	0.00039209	0.000823
391499.37	3784281.92	0.00045776	0.00042770	0.000885
391509.07	3784258.46	0.00044350	0.00041685	0.000860
391518.22	3784235.19	0.00043616	0.00041352	0.000850
391188.35	3784405.29	0.00044096	0.00039686	0.000838
391311.94	3783756.15	0.00043073	0.00047438	0.000905
391442.43	3784382.86	0.00047115	0.00042551	0.000897
391555.11	3783763.39	0.00041763	0.00045099	0.000869
391288.6	3784458.74	0.00048193	0.00042741	0.000909
391552.89	3784132.78	0.00042084	0.00042207	0.000843

391128	3784336.85	0.00041920	0.00038653	0.000806
391320.92	3784462.33	0.00045555	0.00040091	0.000856
391083.75	3784148.81	0.00041322	0.00040363	0.000817
391605.96	3783862.28	0.00041157	0.00043966	0.000851
391588.1	3784027.35	0.00041250	0.00043264	0.000845
391110.74	3784307.39	0.00041164	0.00038405	0.000796
391501.07	3783721.33	0.00040776	0.00044508	0.000853
391340.41	3784463.17	0.00044215	0.00038852	0.000831
391494.59	3784303.48	0.00045767	0.00042663	0.000884
391171.66	3784397.94	0.00042202	0.00038120	0.000803
391386.51	3784443.99	0.00043796	0.00038683	0.000825
391141.73	3784363.83	0.00041212	0.00037672	0.000789
391562.54	3784112.51	0.00040806	0.00041411	0.000822
391284.18	3783771.63	0.00041597	0.00045678	0.000873
391586.39	3783796.04	0.00040127	0.00043089	0.000832
391108.21	3784279.32	0.00040378	0.00038159	0.000785
391097.47	3784035.42	0.00040263	0.00040280	0.000805
391431.59	3784406.77	0.00043881	0.00039309	0.000832
391201.89	3784432.18	0.00045428	0.00041095	0.000865
391088.91	3784063.11	0.00039825	0.00039616	0.000794
391253.77	3784462.45	0.00050216	0.00045159	0.000954
391572.19	3784092.25	0.00039756	0.00040781	0.000805
391533.23	3783734.63	0.00039248	0.00042635	0.000819
391408.27	3784435.54	0.00042291	0.00037513	0.000798
391354.82	3783726.61	0.00040063	0.00044151	0.000842
391154.98	3784390.59	0.00040408	0.00036670	0.000771
391587.45	3784049.82	0.00039333	0.00041032	0.000804
391601.82	3783999.03	0.00039186	0.00041397	0.000806
391368.31	3784463.61	0.00041899	0.00036831	0.000787
391616.72	3783938.22	0.00039010	0.00041512	0.000805
391475.01	3784350.5	0.00044624	0.00041016	0.000856
391185.24	3784424.85	0.00042197	0.00038070	0.000803
391618.24	3783892.98	0.00038715	0.00041301	0.000800
391125.07	3784356.49	0.00039290	0.00036125	0.000754
391581.83	3784071.99	0.00038877	0.00040254	0.000791
391542.33	3784197.69	0.00039151	0.00038121	0.000773
391075.13	3784166.65	0.00038296	0.00037319	0.000756
391464.68	3784374.22	0.00042441	0.00038617	0.000811
391079.37	3784088.26	0.00038084	0.00037704	0.000758
391336.33	3783734.39	0.00038816	0.00042762	0.000816
391436.75	3783694.71	0.00037993	0.00041721	0.000797
391168.59	3784417.51	0.00039990	0.00036133	0.000761
391138.29	3784383.24	0.00038640	0.00035250	0.000739
391607.7	3783817.61	0.00037542	0.00040208	0.000778
391521.77	3784273.23	0.00039300	0.00036973	0.000763
391386.37	3784463.75	0.00039992	0.00035210	0.000752
391371.25	3783714.39	0.00037962	0.00041784	0.000797
391261.68	3784482.04	0.00042692	0.00037830	0.000805
391585.38	3783775.92	0.00037127	0.00039959	0.000771
391430.02	3784427.09	0.00040096	0.00035765	0.000759
391454.05	3784398.05	0.00040482	0.00036520	0.000770
391531.16	3784249.87	0.00038327	0.00036385	0.000747
391552.18	3784177	0.00037632	0.00037094	0.000747
391619.92	3783848.15	0.00036914	0.00039454	0.000764
391234.16	3784473.78	0.00047294	0.00042649	0.000899
391108.41	3784349.15	0.00037356	0.00034547	0.000719
391151.94	3784410.18	0.00038146	0.00034587	0.000727
391539.98	3784226.74	0.00037414	0.00035993	0.000734
391100.43	3783993.22	0.00036850	0.00037252	0.000741
391615.41	3783983.97	0.00036440	0.00038626	0.000751
391565.38	3783747.94	0.00036236	0.00039190	0.000754
391506.75	3784318.47	0.00039146	0.00036380	0.000755
391516.06	3784295.15	0.00038427	0.00035936	0.000744
391170.02	3784433.32	0.00039392	0.00035645	0.000750
391121.61	3784375.89	0.00036873	0.00033824	0.000707
391562.04	3784156.3	0.00036392	0.00036312	0.000727
391069.14	3784118.14	0.00035743	0.00035204	0.000709
391630.52	3783923.69	0.00035622	0.00037957	0.000736
391095.2	3784294.2	0.00035828	0.00033916	0.000697
391419.31	3784450.95	0.00037751	0.00033470	0.000712
391065.74	3784183.86	0.00035420	0.00034451	0.000699
391632.14	3783878.7	0.00035230	0.00037605	0.000728
391082.3	3784045.98	0.00035336	0.00035289	0.000706
391135.3	3784402.84	0.00036420	0.00033172	0.000696
391246.55	3784493.05	0.00040275	0.00035717	0.000760
391607.85	3784027.72	0.00035219	0.00037062	0.000723
391096.12	3784320.93	0.00035323	0.00033135	0.000685
391571.89	3784135.61	0.00035342	0.00035690	0.000710
391107.07	3783960.57	0.00035612	0.00036349	0.000720
391177.94	3784452.91	0.00041843	0.00038226	0.000801
391451.78	3784418.64	0.00037289	0.00033488	0.000708
391090.85	3784018.26	0.00034946	0.00035099	0.000700
391468.19	3783688.01	0.00034739	0.00038123	0.000729
391217.42	3784482.62	0.00045172	0.00040872	0.000860
391292.22	3783754.9	0.00035331	0.00038833	0.000742
391532.03	3783714.43	0.00034272	0.00037343	0.000716

391486.93	3784365.57	0.00037198	0.00034117	0.000713
391500.11	3783701.22	0.00034281	0.00037515	0.000718
391072.75	3784071.09	0.00034359	0.00034154	0.000685
391581.74	3784114.91	0.00034508	0.00035240	0.000697
391061	3784155.13	0.00034240	0.00033510	0.000678
391104.93	3784368.54	0.00034822	0.00032141	0.000670
391629.08	3783969.11	0.00033997	0.00036124	0.000701
391591.59	3784094.22	0.00033873	0.00034938	0.000688
391476.52	3784389.32	0.00036203	0.00032929	0.000691
391622.22	3784003.75	0.00033586	0.00035537	0.000691
391441.28	3784442.42	0.00035566	0.00031731	0.000673
391607.17	3784051.13	0.00033440	0.00035025	0.000685
391621.73	3783803.65	0.00032992	0.00035361	0.000684
391057.13	3784201.7	0.00033127	0.00032152	0.000653
391601.45	3784073.52	0.00033175	0.00034515	0.000677
391118.65	3784395.51	0.00033935	0.00031127	0.000651
391225.34	3784502.21	0.00038280	0.00034079	0.000724
391597.54	3783761.24	0.00032817	0.00035356	0.000682
391633.89	3783834.06	0.00032802	0.00035081	0.000679
391563.95	3783727.64	0.00032801	0.00035579	0.000684
391644.36	3783909.25	0.00032678	0.00034853	0.000675
391264.45	3783770.39	0.00033608	0.00036874	0.000705
391055.01	3784131.93	0.00032571	0.00032038	0.000646
391519.04	3784333.4	0.00033922	0.00031521	0.000654
391560.88	3784201.45	0.00032826	0.00032196	0.000650
391051.49	3784172.24	0.00032182	0.00031431	0.000636
391528.51	3784310.02	0.00033473	0.00031396	0.000649
391197.82	3784493.95	0.00041959	0.00038065	0.000800
391642.8	3783954.39	0.00031953	0.00034010	0.000660
391150.41	3784444.65	0.00035185	0.00032051	0.000672
391544.16	3784264.53	0.00032849	0.00031323	0.000642
391055.74	3784102.4	0.00031887	0.00031542	0.000634
391537.53	3784286.81	0.00032910	0.00031134	0.000640
391473.53	3784410.19	0.00033836	0.00030628	0.000645
391646.06	3783864.47	0.00031651	0.00033806	0.000655
391138.46	3784430.92	0.00033612	0.00030663	0.000643
391162.8	3784463.92	0.00039561	0.00036452	0.000760
391088.24	3784361.19	0.00031990	0.00029773	0.000618
391620.13	3783781.63	0.00031251	0.00033561	0.000648
391083.79	3784336.37	0.00031722	0.00029812	0.000615
391570.92	3784180.38	0.00031748	0.00031515	0.000633
391553.25	3784241.29	0.00031995	0.00030855	0.000629
391066.12	3784053.93	0.00031335	0.00031276	0.000626
391102	3784388.17	0.00031951	0.00029498	0.000614
391119.18	3784411.63	0.00032349	0.00029663	0.000620
391463.24	3784433.89	0.00032846	0.00029520	0.000624
391075.69	3784028.85	0.00031101	0.00031188	0.000623
391210.2	3784513.22	0.00035889	0.00031990	0.000679
391627.61	3784028.08	0.00030745	0.00032440	0.000632
391580.95	3784159.3	0.00030865	0.00031007	0.000619
391595.87	3783740.85	0.00030360	0.00032796	0.000632
391042.91	3784190.12	0.00030382	0.00029609	0.000600
391046.32	3784236.66	0.00030420	0.00029378	0.000598
391111.31	3783921.69	0.00031704	0.00032763	0.000645
391658.22	3783894.88	0.00030027	0.00032045	0.000621
391183.02	3784502.44	0.00039496	0.00035899	0.000754
391041.1	3784145.97	0.00030041	0.00029514	0.000596
391093.83	3783976.11	0.00030401	0.00030864	0.000613
391530.96	3783694.28	0.00029853	0.00032618	0.000625
391590.98	3784138.23	0.00030164	0.00030654	0.000608
391300.26	3783738.18	0.00030515	0.00033542	0.000641
391045.7	3784266.11	0.00029928	0.00028720	0.000586
391083.75	3783999.88	0.00029979	0.00030255	0.000602
391641.43	3783999.99	0.00029734	0.00031533	0.000613
391649.09	3783823.02	0.00029565	0.00031629	0.000612
391656.58	3783939.8	0.00029565	0.00031511	0.000611
391562.67	3783707.4	0.00029392	0.00031976	0.000614
391636.16	3783790.71	0.00029333	0.00031459	0.000608
391601.01	3784117.16	0.00029664	0.00030464	0.000601
391336.2	3783714.63	0.00029930	0.00032919	0.000628
391040.82	3784115.26	0.00029170	0.00028824	0.000580
391436.26	3783674.81	0.00029200	0.00032078	0.000613
391085.35	3784380.84	0.00029728	0.00027657	0.000574
391626.89	3784052.44	0.00029119	0.00030597	0.000597
391611.04	3784096.09	0.00029192	0.00030260	0.000595
391499.25	3783681.16	0.00028978	0.00031776	0.000608
391404.59	3783681.41	0.00029114	0.00031977	0.000611
391190.94	3784522.03	0.00033932	0.00030362	0.000643
391495.29	3784401.74	0.00030259	0.00027618	0.000579
391662.02	3783855.33	0.00028654	0.00030612	0.000593
391051.49	3784066.4	0.00028709	0.00028615	0.000573
391272.5	3783753.66	0.00029313	0.00032181	0.000615
391621.08	3784075.02	0.00028569	0.00029847	0.000584
391531.43	3784348.29	0.00029421	0.00027365	0.000568
391569.4	3784226.3	0.00028873	0.00028182	0.000571
391071.85	3784352.13	0.00028767	0.00027074	0.000558

391485.2	3784425.36	0.00029669	0.00026890	0.000566
391100.46	3783943.43	0.00028948	0.00029709	0.000587
391655.09	3783985.1	0.00028090	0.00029860	0.000579
391541.05	3784324.85	0.00029009	0.00027247	0.000563
391594.39	3783720.52	0.00027859	0.00030179	0.000580
391030.53	3784217.48	0.00027941	0.00027145	0.000551
391059.5	3784036.76	0.00027958	0.00028024	0.000560
391670.39	3783925.3	0.00027671	0.00029518	0.000572
391550.26	3784301.56	0.00028522	0.00027029	0.000556
391521.44	3784371.87	0.00028773	0.00026510	0.000553
391627.8	3783754.05	0.00027486	0.00029590	0.000571
391163.41	3784513.77	0.00036457	0.00033248	0.000697
391579.58	3784204.9	0.00027926	0.00027579	0.000555
391033.53	3784251.79	0.00027551	0.00026603	0.000542
391069.08	3784011.72	0.00027593	0.00027798	0.000554
391559	3784278.47	0.00028016	0.00026796	0.000548
391674.94	3783887.65	0.00027176	0.00029014	0.000562
391467.53	3783668.04	0.00027222	0.00029909	0.000571
391313.66	3783722.24	0.00027783	0.00030552	0.000583
391032.83	3784281.16	0.00027268	0.00026169	0.000534
391566.55	3784255.83	0.00027690	0.00026741	0.000544
391175.8	3784533.04	0.00031682	0.00028394	0.000601
391647.37	3784028.45	0.00026976	0.00028532	0.000555
391131.18	3784453.7	0.00029240	0.00027012	0.000563
391589.77	3784183.5	0.00027150	0.00027133	0.000543
391021.31	3784200.91	0.00026839	0.00026174	0.000530
391663	3783808.77	0.00026682	0.00028560	0.000552
391668.8	3783970.35	0.00026686	0.00028416	0.000551
391650.17	3783776.7	0.00026442	0.00028377	0.000548
391139.1	3784473.29	0.00031948	0.00029695	0.000616
391118.86	3784442.25	0.00028076	0.00025986	0.000541
391561.52	3783687.22	0.00026245	0.00028632	0.000549
391599.96	3784162.1	0.00026559	0.00026852	0.000534
391675.83	3783840.85	0.00026162	0.00027961	0.000541
391099.58	3784422.97	0.00027346	0.00025399	0.000527
391661.74	3784003.75	0.00026139	0.00027757	0.000539
391610.15	3784140.7	0.00026120	0.00026698	0.000528
391529.99	3783674.17	0.00025821	0.00028278	0.000541
391626.1	3783733.65	0.00025749	0.00027788	0.000535
391013.24	3784174.03	0.00025680	0.00025180	0.000509
391077.13	3783982.72	0.00025920	0.00026294	0.000522
391507.17	3784416.83	0.00026606	0.00024315	0.000509
391620.34	3784119.29	0.00025773	0.00026605	0.000524
391646.61	3784053.75	0.00025603	0.00026977	0.000526
391593.05	3783700.26	0.00025432	0.00027628	0.000531
391013.74	3784227.91	0.00025418	0.00024703	0.000501
391146.52	3784525.02	0.00033549	0.00030694	0.000642
391630.53	3784097.89	0.00025371	0.00026417	0.000518
391280.54	3783736.93	0.00025825	0.00028360	0.000542
391013.5	3784143.95	0.00025238	0.00024878	0.000501
391020.71	3784266.89	0.00025325	0.00024444	0.000498
391687.87	3783919.96	0.00025100	0.00026791	0.000519
391688.66	3783872.92	0.00025050	0.00026756	0.000518
391682.56	3783955.71	0.00025087	0.00026748	0.000518
391640.72	3784076.49	0.00025157	0.00026373	0.000515
391543.91	3784363.15	0.00025756	0.00023990	0.000497
391646.68	3783749.66	0.00024901	0.00026794	0.000517
391553.67	3784339.65	0.00025387	0.00023863	0.000493
391498.47	3783661.13	0.00024654	0.00027075	0.000517
391154.44	3784544.61	0.00029278	0.00026366	0.000556
391087.22	3783959	0.00024997	0.00025512	0.000505
391019.56	3784295.72	0.00024665	0.00023690	0.000484
391538.79	3784384.84	0.00025197	0.00023276	0.000485
391104.68	3783904.51	0.00026025	0.00027099	0.000531
391004.61	3784211.5	0.00024410	0.00023812	0.000482
391588.08	3784229.79	0.00024752	0.00024320	0.000491
391065.74	3784395.93	0.00025049	0.00023533	0.000486
391563.06	3784316.3	0.00024949	0.00023663	0.000486
391676.93	3783794.57	0.00024154	0.00025870	0.000500
391008.59	3784252.62	0.00024293	0.00023534	0.000478
391019.44	3784089.52	0.00024154	0.00024039	0.000482
391123.96	3784484.3	0.00029864	0.00027978	0.000578
391624.58	3783713.31	0.00023951	0.00025915	0.000499
391667.13	3784028.81	0.00024061	0.00025500	0.000496
391689.68	3783826.43	0.00023922	0.00025578	0.000495
391062.47	3783994.59	0.00024155	0.00024457	0.000486
391664.19	3783762.7	0.00023838	0.00025600	0.000494
391572.02	3784293.11	0.00024492	0.00023451	0.000479
391598.4	3784208.1	0.00024058	0.00023917	0.000480
391111.58	3784465.04	0.00026005	0.00024194	0.000502
391435.82	3783654.91	0.00023751	0.00026090	0.000498
391681.02	3784000.89	0.00023610	0.00025112	0.000487
391580.46	3784270.13	0.00024094	0.00023298	0.000474
391026.81	3784061.95	0.00023649	0.00023651	0.000473
390999.78	3784158.22	0.00023553	0.00023194	0.000467
391084.47	3784430.92	0.00024640	0.00023029	0.000477

391560.48	3783667.08	0.00023402	0.00025594	0.000490
391701.5	3783905	0.00023397	0.00024985	0.000484
391007.35	3784281.35	0.00023466	0.00022639	0.000461
391093.84	3783926.28	0.00024117	0.00024922	0.000490
391608.73	3784186.41	0.00023517	0.00023653	0.000472
391702.43	3783858.3	0.00023119	0.00024701	0.000478
391404.34	3783661.6	0.00023338	0.00025618	0.000490
391591.84	3783680.06	0.00023088	0.00025152	0.000482
390996.96	3784238.35	0.00023191	0.00022548	0.000457
390992.86	3784188.43	0.00022963	0.00022514	0.000455
391139.3	3784555.62	0.00027284	0.00024639	0.000519
391619.06	3784164.71	0.00023139	0.00023533	0.000467
391700.79	3783952.27	0.00022812	0.00024342	0.000472
391666.33	3784055.06	0.00022884	0.00024170	0.000471
391091.36	3784452.4	0.00024425	0.00022790	0.000472
391067.95	3784418.52	0.00023704	0.00022255	0.000460
391126.91	3784536.35	0.00031016	0.00028585	0.000596
390999.83	3784127.89	0.00022726	0.00022501	0.000452
391466.94	3783648.08	0.00022681	0.00024931	0.000476
391034.07	3784034.16	0.00022746	0.00022871	0.000456
391694.72	3783986.12	0.00022609	0.00024089	0.000467
391629.38	3784143.02	0.00022804	0.00023438	0.000462
391529.12	3783654.1	0.00022551	0.00024745	0.000473
391639.71	3784121.33	0.00022667	0.00023506	0.000462
390995.13	3784266.97	0.00022547	0.00021831	0.000444
391288.58	3783720.21	0.00022853	0.00025103	0.000480
391650.04	3784099.64	0.00022454	0.00023465	0.000459
391660.36	3784077.95	0.00022397	0.00023549	0.000459
391656.1	3783726.35	0.00022194	0.00023931	0.000461
391006.69	3784310.76	0.00022509	0.00021629	0.000441
390987.91	3784222.07	0.00022306	0.00021766	0.000441
391623.2	3783693.03	0.00022126	0.00024006	0.000461
391003.42	3784101.09	0.00022231	0.00022113	0.000443
391690.88	3783780.4	0.00021988	0.00023564	0.000456
391703.55	3783812.07	0.00021909	0.00023437	0.000453
391715.17	3783890.16	0.00021843	0.00023334	0.000452
391566.37	3784354.42	0.00022368	0.00021043	0.000434
391010.7	3784073.34	0.00021785	0.00021772	0.000436
391678.2	3783748.72	0.00021607	0.00023223	0.000448
391560.55	3784376.39	0.00022179	0.00020712	0.000429
390994.52	3784296.44	0.00021801	0.00021023	0.000428
391686.89	3784029.18	0.00021610	0.00022942	0.000446
391046.14	3784407.27	0.00022373	0.00021122	0.000435
390983.67	3784166.56	0.00021610	0.00021289	0.000429
391714.33	3783937.07	0.00021501	0.00022961	0.000445
391069.57	3783963.11	0.00021832	0.00022294	0.000441
391497.75	3783641.13	0.00021454	0.00023584	0.000450
391089.59	3784476.56	0.00024065	0.00022514	0.000466
391575.92	3784331	0.00021965	0.00020853	0.000428
391551.09	3784399.76	0.00021999	0.00020338	0.000423
391716.22	3783843.75	0.00021360	0.00022828	0.000442
391601.1	3784245.16	0.00021779	0.00021405	0.000432
391064.87	3784442.25	0.00022620	0.00021223	0.000438
390986.33	3784142.42	0.00021386	0.00021150	0.000425
391303.86	3783706.33	0.00021790	0.00023948	0.000457
391055.86	3783977.46	0.00021588	0.00021990	0.000436
391097.51	3784496.15	0.00027305	0.00025774	0.000531
391045.31	3783999.97	0.00021471	0.00021746	0.000432
390980.18	3784248.78	0.00021344	0.00020759	0.000421
391585.08	3784307.75	0.00021552	0.00020657	0.000422
391018.15	3784045.93	0.00021092	0.00021187	0.000423
391654.56	3783706.01	0.00020836	0.00022522	0.000434
391611	3784224.37	0.00021242	0.00021106	0.000423
390982.35	3784282.11	0.00021017	0.00020338	0.000414
390974.99	3784196.88	0.00020907	0.00020513	0.000414
391071.76	3784463.73	0.00022652	0.00021224	0.000439
391593.77	3784284.66	0.00021189	0.00020512	0.000417
391080.62	3783941.88	0.00021186	0.00021761	0.000429
391048.34	3784429.85	0.00021771	0.00020511	0.000423
391435.41	3783635.04	0.00020668	0.00022690	0.000434
391613.67	3783668.71	0.00020496	0.00022322	0.000428
391713.72	3783984.58	0.00020531	0.00021898	0.000424
391620.9	3784203.58	0.00020813	0.00020908	0.000417
391117.87	3784570.13	0.00024748	0.00022496	0.000472
391686.05	3784056.37	0.00020550	0.00021750	0.000423
390987.4	3784112.67	0.00020536	0.00020418	0.000410
390971.19	3784232.63	0.00020560	0.00020068	0.000406
391728.89	3783875.43	0.00020397	0.00021795	0.000422
391087.23	3783909.14	0.00021386	0.00022291	0.000437
391640.63	3783686.28	0.00020310	0.00022028	0.000423
391548.98	3783640.36	0.00020333	0.00022313	0.000426
391727.92	3783922.03	0.00020317	0.00021707	0.000420
391673.78	3783719.06	0.00020260	0.00021843	0.000421
391109.95	3784550.54	0.00027898	0.00025859	0.000538
391466.39	3783628.15	0.00020285	0.00022296	0.000426
391630.8	3784182.78	0.00020475	0.00020790	0.000413

391717.44	3783797.77	0.00020116	0.00021529	0.000416
391586.4	3783650.34	0.00020113	0.00021999	0.000421
391704.83	3783766.25	0.00020068	0.00021521	0.000416
390994.72	3784085.01	0.00020200	0.00020176	0.000404
391640.7	3784161.99	0.00020283	0.00020797	0.000411
391680.3	3784078.81	0.00020144	0.00021237	0.000414
391650.6	3784141.19	0.00020197	0.00020890	0.000411
391660.5	3784120.4	0.00020155	0.00021006	0.000412
391670.4	3784099.6	0.00020117	0.00021100	0.000412
391049.25	3783960.34	0.00020322	0.00020869	0.000412
391404.11	3783641.79	0.00020070	0.00022007	0.000421
391730.04	3783829.28	0.00019766	0.00021131	0.000409
391692.23	3783734.74	0.00019673	0.00021160	0.000408
391047.68	3784453.11	0.00021165	0.00019924	0.000411
391069.99	3784487.9	0.00022705	0.00021351	0.000441
391082.37	3784507.16	0.00026759	0.00025458	0.000522
391727.16	3783969.15	0.00019597	0.00020924	0.000405
391532.44	3783633.04	0.00019565	0.00021498	0.000411
391713.27	3784012.25	0.00019551	0.00020824	0.000404
390963.38	3784259.19	0.00019658	0.00019129	0.000388
391706.65	3784029.54	0.00019535	0.00020772	0.000403
390964.78	3784171.47	0.00019529	0.00019265	0.000388
391001.95	3784057.16	0.00019458	0.00019531	0.000390
391705.15	3783747.44	0.00019259	0.00020682	0.000399
391573.06	3784391.23	0.00019718	0.00018432	0.000382
391054.45	3784473.88	0.00021364	0.00020095	0.000415
391741.57	3783907.11	0.00019201	0.00020521	0.000397
391609.66	3784269.9	0.00019511	0.00019093	0.000386
391515.9	3783625.73	0.00019119	0.00021025	0.000401
391119.97	3783844.38	0.00023328	0.00024756	0.000481
391742.65	3783860.79	0.00019027	0.00020335	0.000394
390957.11	3784205.29	0.00019135	0.00018788	0.000379
391582.3	3784367.93	0.00019456	0.00018346	0.000378
391588.83	3784345.69	0.00019449	0.00018486	0.000379
390971.37	3784124.22	0.00019029	0.00018915	0.000379
390954.2	3784242.7	0.00018945	0.00018500	0.000374
390978.75	3784096.66	0.00018783	0.00018752	0.000375
391619.69	3784248.83	0.00019026	0.00018819	0.000378
391740.67	3783953.89	0.00018657	0.00019936	0.000386
391598.17	3784322.36	0.00019083	0.00018311	0.000374
391691.4	3783713.72	0.00018599	0.00020047	0.000386
391020.57	3784012.84	0.00018759	0.00018987	0.000377
390960.4	3784151.89	0.00018670	0.00018489	0.000372
391563.46	3783626.72	0.00018541	0.00020355	0.000389
391102.73	3784581.14	0.00022864	0.00020967	0.000438
391627.6	3783654.31	0.00018484	0.00020147	0.000386
391705.76	3784057.68	0.00018541	0.00019662	0.000382
391654.45	3783671.63	0.00018383	0.00019955	0.000383
391038.21	3783981.58	0.00018597	0.00018949	0.000375
391607.09	3784299.19	0.00018761	0.00018181	0.000369
391062.95	3783945.96	0.00018721	0.00019241	0.000380
391629.73	3784227.76	0.00018612	0.00018614	0.000372
391745.59	3783815.35	0.00018178	0.00019440	0.000376
391499.37	3783618.42	0.00018226	0.00020051	0.000383
391684.52	3783696.86	0.00018154	0.00019610	0.000378
391600.47	3783636.32	0.00018141	0.00019854	0.000380
390986.03	3784068.92	0.00018196	0.00018253	0.000364
391055.29	3784505.84	0.00022545	0.00021360	0.000439
391699.95	3784080.26	0.00018160	0.00019191	0.000374
391639.76	3784206.69	0.00018330	0.00018526	0.000369
391311.47	3783684.01	0.00018422	0.00020233	0.000387
391755.26	3783892.3	0.00018028	0.00019271	0.000373
391090.34	3784561.88	0.00026027	0.00024365	0.000504
391689.92	3784101.33	0.00018117	0.00019056	0.000372
391679.89	3784122.4	0.00018114	0.00018942	0.000371
391649.79	3784185.62	0.00018159	0.00018537	0.000367
391669.85	3784143.47	0.00018087	0.00018784	0.000369
391731.97	3783764.69	0.00017876	0.00019161	0.000370
391659.82	3784164.55	0.00018087	0.00018632	0.000367
391074.02	3783924.77	0.00018400	0.00019043	0.000374
391063.21	3784525.43	0.00029823	0.00028860	0.000587
391754.24	3783938.79	0.00017748	0.00018975	0.000367
391042.65	3783943.21	0.00018142	0.00018768	0.000369
391034.85	3784485.22	0.00020298	0.00019183	0.000395
391726.41	3784029.91	0.00017759	0.00018911	0.000367
390946.43	3784178.79	0.00017791	0.00017566	0.000354
391718.4	3783731.42	0.00017649	0.00018971	0.000366
391435.03	3783615.17	0.00017775	0.00019507	0.000373
391677.65	3783680	0.00017617	0.00019075	0.000367
391067.41	3783907.66	0.00018280	0.00019115	0.000374
391482.83	3783611.11	0.00017594	0.00019352	0.000369
391739.99	3784001.22	0.00017539	0.00018720	0.000363
391031.59	3783964.41	0.00017768	0.00018257	0.000360
390939.24	3784213.74	0.00017546	0.00017241	0.000348
390954.2	3784132.32	0.00017460	0.00017363	0.000348
390962.64	3784108.08	0.00017453	0.00017418	0.000349

391294.05	3783690.42	0.00017706	0.00019448	0.000372
391466.29	3783603.79	0.00017362	0.00019080	0.000364
391765.34	3783871.38	0.00017227	0.00018416	0.000356
391530.98	3783612.36	0.00017198	0.00018920	0.000361
391765.38	3783853.01	0.00017121	0.00018303	0.000354
391704.84	3783698.15	0.00017000	0.00018342	0.000353
391670.77	3783663.14	0.00016975	0.00018426	0.000354
391765.41	3783834.64	0.00016973	0.00018146	0.000351
391034.91	3784507.21	0.00020889	0.00019821	0.000407
391595.02	3784382.7	0.00017362	0.00016391	0.000338
391002.72	3784021.31	0.00017123	0.00017330	0.000345
390970.09	3784080.65	0.00017022	0.00017065	0.000341
390942.01	3784159.01	0.00017002	0.00016853	0.000339
391403.88	3783621.99	0.00017004	0.00018635	0.000356
391753.42	3783985.76	0.00016870	0.00018027	0.000349
391641.56	3783640.02	0.00016814	0.00018340	0.000352
391767.86	3783923.82	0.00016836	0.00018006	0.000348
391628.25	3784273.6	0.00017135	0.00016874	0.000340
391056.33	3783928.8	0.00017250	0.00017889	0.000351
391725.48	3784058.99	0.00016840	0.00017888	0.000347
391765.35	3783815.28	0.00016721	0.00017882	0.000346
391042.82	3784526.8	0.00024549	0.00023567	0.000481
391604.06	3784359.48	0.00017094	0.00016285	0.000334
391698.05	3783681.51	0.00016609	0.00017959	0.000346
391611.3	3784336.97	0.00016999	0.00016328	0.000333
391751.89	3783765.01	0.00016517	0.00017698	0.000342
391614.56	3783622.35	0.00016447	0.00018011	0.000345
391638.4	3784252.27	0.00016753	0.00016680	0.000334
391738.48	3783732.13	0.00016393	0.00017608	0.000340
391719.61	3784081.69	0.00016496	0.00017468	0.000340
391561.89	3783605.99	0.00016375	0.00018007	0.000344
391620.42	3784313.72	0.00016722	0.00016219	0.000329
391709.46	3784103.02	0.00016437	0.00017333	0.000338
391663.9	3783646.27	0.00016276	0.00017712	0.000340
391648.55	3784230.95	0.00016491	0.00016592	0.000331
390977.33	3784052.83	0.00016337	0.00016463	0.000328
391699.31	3784124.34	0.00016345	0.00017145	0.000335
391049.71	3783911.64	0.00016734	0.00017501	0.000342
390928.1	3784186.17	0.00016297	0.00016106	0.000324
391689.15	3784145.66	0.00016342	0.00017032	0.000334
391766.91	3783970.47	0.00016205	0.00017329	0.000335
391746.16	3784030.27	0.00016217	0.00017291	0.000335
391023.48	3784515.95	0.00020612	0.00019635	0.000402
391012.86	3784499.22	0.00019731	0.00018787	0.000385
391658.7	3784209.63	0.00016344	0.00016609	0.000330
391679	3784166.98	0.00016275	0.00016837	0.000331
391335.8	3783655.34	0.00016347	0.00017927	0.000343
391668.85	3784188.31	0.00016279	0.00016698	0.000330
391013.18	3783994.91	0.00016257	0.00016546	0.000328
391024.96	3783947.24	0.00016343	0.00016919	0.000333
391036.04	3783926.08	0.00016436	0.00017118	0.000336
390937.58	3784139.24	0.00016087	0.00016010	0.000321
391449.75	3783596.48	0.00016015	0.00017585	0.000336
391725.08	3783699.25	0.00015912	0.00017149	0.000331
391031.4	3784535.54	0.00024893	0.00024024	0.000489
391100.66	3783844.22	0.00017647	0.00018781	0.000364
391760.37	3784004.14	0.00015922	0.00017009	0.000329
391498.51	3783598	0.00015918	0.00017518	0.000334
391785.1	3783871.42	0.00015821	0.00016917	0.000327
391785.06	3783889.79	0.00015807	0.00016905	0.000327
390953.92	3784091.93	0.00015882	0.00015917	0.000318
391785.14	3783853.05	0.00015749	0.00016839	0.000326
391785.02	3783908.16	0.00015727	0.00016823	0.000325
391785.18	3783834.68	0.00015635	0.00016718	0.000324
391684.49	3783648.24	0.00015542	0.00016885	0.000324
390984.86	3784029.78	0.00015674	0.00015864	0.000315
391657.02	3783629.41	0.00015507	0.00016917	0.000324
391780.47	3783955.33	0.00015526	0.00016612	0.000321
391784.99	3783936.26	0.00015487	0.00016571	0.000321
390923.71	3784166.58	0.00015556	0.00015433	0.000310
391785.11	3783815.21	0.00015416	0.00016487	0.000319
391765.16	3783749.02	0.00015329	0.00016436	0.000318
391529.91	3783591.85	0.00015364	0.00016917	0.000323
391778.42	3783781.56	0.00015277	0.00016353	0.000316
391592.26	3783599.38	0.00015288	0.00016798	0.000321
391745.2	3784060.3	0.00015348	0.00016328	0.000317
391711.67	3783666.37	0.00015247	0.00016501	0.000317
391048.99	3784584.83	0.00023275	0.00021967	0.000452
390961.44	3784064.64	0.00015329	0.00015436	0.000308
391636.67	3784298.62	0.00015513	0.00015211	0.000307
391113.34	3783827.21	0.00017411	0.00018636	0.000360
391751.89	3783716.48	0.00015116	0.00016250	0.000314
391084.8	3783852.97	0.00016220	0.00017227	0.000334
391466.03	3783583.64	0.00015122	0.00016618	0.000317
391628.67	3783608.4	0.00015045	0.00016485	0.000315
391739.27	3784083.12	0.00015090	0.00016008	0.000311

391056.91	3784604.42	0.00019718	0.00018371	0.000381
391616.98	3784374.17	0.00015331	0.00014618	0.000299
391301.66	3783668.11	0.00015284	0.00016775	0.000321
390933.15	3784119.46	0.00015056	0.00015046	0.000301
391016.27	3784546.55	0.00025334	0.00024599	0.000499
391003.88	3784527.29	0.00020350	0.00019503	0.000399
390993.26	3784510.56	0.00020688	0.00019890	0.000406
391729.01	3784104.67	0.00015014	0.00015867	0.000309
391646.93	3784277.07	0.00015165	0.00015032	0.000302
391765.92	3784030.64	0.00014876	0.00015879	0.000308
391625.81	3784351.03	0.00015124	0.00014546	0.000297
391718.75	3784126.22	0.00014896	0.00015668	0.000306
391650.15	3783612.55	0.00014698	0.00016074	0.000308
391738.62	3783683.94	0.00014662	0.00015817	0.000305
391657.19	3784255.52	0.00014931	0.00014952	0.000299
391633.76	3784328.24	0.00014986	0.00014548	0.000295
391708.49	3784147.77	0.00014791	0.00015468	0.000303
390994.97	3784002.6	0.00014814	0.00015077	0.000299
391698.23	3784169.32	0.00014799	0.00015366	0.000302
390919.32	3784146.98	0.00014728	0.00014669	0.000294
391804.86	3783871.46	0.00014580	0.00015595	0.000302
391804.82	3783889.83	0.00014580	0.00015598	0.000302
391667.45	3784233.97	0.00014779	0.00014950	0.000297
391804.9	3783853.09	0.00014527	0.00015536	0.000301
391687.97	3784190.87	0.00014706	0.00015152	0.000299
391677.71	3784212.42	0.00014703	0.00015016	0.000297
391804.79	3783908.2	0.00014482	0.00015498	0.000300
391018.34	3783930.08	0.00014810	0.00015430	0.000302
391433.21	3783589.17	0.00014542	0.00015952	0.000305
391804.94	3783834.72	0.00014436	0.00015438	0.000299
391403.67	3783602.2	0.00014528	0.00015915	0.000304
391804.88	3783815.15	0.00014271	0.00015264	0.000295
391791.67	3783765.52	0.00014248	0.00015259	0.000295
391560.69	3783585.42	0.00014274	0.00015715	0.000300
391054.21	3783873.43	0.00014898	0.00015746	0.000306
391778.53	3783733.29	0.00014235	0.00015273	0.000295
391698.27	3783633.49	0.00014236	0.00015479	0.000297
391804.75	3783936.26	0.00014258	0.00015263	0.000295
390945.19	3784075.79	0.00014352	0.00014446	0.000288
391670.92	3783614.97	0.00014198	0.00015501	0.000297
391029.39	3784596.16	0.00022324	0.00021130	0.000435
391793.07	3783986.84	0.00014200	0.00015197	0.000294
391041.78	3784615.43	0.00018720	0.00017467	0.000362
391802.68	3783956.05	0.00014132	0.00015130	0.000293
391497.92	3783577.71	0.00014120	0.00015542	0.000297
391125.46	3783808.75	0.00016650	0.00017921	0.000346
391725.36	3783651.4	0.00014024	0.00015190	0.000292
390965.82	3784035.08	0.00014158	0.00014346	0.000285
391764.92	3784061.61	0.00014083	0.00015004	0.000291
391765.39	3783701.05	0.00013985	0.00015046	0.000290
391008.37	3783976.33	0.00014202	0.00014538	0.000287
391785.92	3784017.99	0.00013975	0.00014941	0.000289
391643.27	3783595.69	0.00013921	0.00015258	0.000292
390928.72	3784099.68	0.00013977	0.00014029	0.000280
391029.43	3783908.95	0.00014243	0.00014938	0.000292
391591	3783578.79	0.00013773	0.00015157	0.000289
391067.38	3783857.7	0.00014476	0.00015369	0.000298
390914.93	3784127.39	0.00013793	0.00013793	0.000276
391758.94	3784084.53	0.00013746	0.00014608	0.000284
391748.58	3784106.29	0.00013753	0.00014564	0.000283
391529.12	3783571.46	0.00013675	0.00015065	0.000287
391752.25	3783668.81	0.00013549	0.00014628	0.000282
391738.22	3784128.05	0.00013668	0.00014411	0.000281
391655.35	3784302.12	0.00013794	0.00013613	0.000274
391824.62	3783871.5	0.00013478	0.00014420	0.000279
391824.59	3783889.87	0.00013461	0.00014406	0.000279
391824.66	3783853.13	0.00013452	0.00014390	0.000278
390976.76	3784010.28	0.00013578	0.00013822	0.000274
391727.86	3784149.81	0.00013536	0.00014197	0.000277
391824.55	3783908.24	0.00013402	0.00014347	0.000277
391824.7	3783834.76	0.00013377	0.00014309	0.000277
391010.8	3784603.22	0.00022667	0.00021565	0.000442
391785.44	3784044.01	0.00013399	0.00014310	0.000277
391638.95	3784365.64	0.00013631	0.00013119	0.000267
391665.71	3784280.36	0.00013587	0.00013542	0.000271
391805.03	3783749.74	0.00013316	0.00014269	0.000276
391717.51	3784171.57	0.00013459	0.00014026	0.000275
391824.64	3783815.08	0.00013258	0.00014182	0.000274
391792	3783717.77	0.00013233	0.00014208	0.000274
391818.06	3783781.7	0.00013235	0.00014164	0.000274
391707.15	3784193.33	0.00013399	0.00013860	0.000273
391094.05	3783827.09	0.00014477	0.00015539	0.000300
391814.26	3783973.51	0.00013242	0.00014182	0.000274
391018.72	3784622.81	0.00018386	0.00017251	0.000356
391676.07	3784258.6	0.00013433	0.00013525	0.000270
391647.56	3784342.58	0.00013470	0.00013091	0.000266

391824.51	3783936.26	0.00013192	0.00014128	0.000273
391696.79	3784215.09	0.00013341	0.00013688	0.000270
391465.94	3783563.56	0.00013209	0.00014514	0.000277
391686.43	3784236.84	0.00013356	0.00013579	0.000269
391712.09	3783618.87	0.00013092	0.00014247	0.000273
391684.86	3783600.61	0.00013060	0.00014268	0.000273
391822.46	3783956.02	0.00013075	0.00014006	0.000271
391416.68	3783581.85	0.00013117	0.00014374	0.000275
391778.96	3783685.8	0.00012997	0.00013994	0.000270
391619.75	3783571.46	0.00012966	0.00014261	0.000272
391739.1	3783636.58	0.00012940	0.00014028	0.000270
391784.64	3784062.92	0.00012976	0.00013842	0.000268
390947.97	3784043.55	0.00013010	0.00013183	0.000262
391805.68	3784018.35	0.00012910	0.00013815	0.000267
391036.47	3783877.33	0.00013322	0.00014085	0.000274
390990.2	3783984.14	0.00012983	0.00013287	0.000263
391657.36	3783581.69	0.00012798	0.00014035	0.000268
391559.77	3783564.98	0.00012801	0.00014106	0.000269
390910.55	3784107.8	0.00012845	0.00012900	0.000257
390924.29	3784079.9	0.00012816	0.00012921	0.000257
391603.09	3783564.1	0.00012698	0.00013982	0.000267
391078.17	3783835.79	0.00013540	0.00014501	0.000280
391778.82	3784085.5	0.00012694	0.00013511	0.000262
391106.72	3783810.04	0.00014007	0.00015115	0.000291
391433.56	3783569.28	0.00012658	0.00013881	0.000265
391765.93	3783653.84	0.00012556	0.00013568	0.000261
391768.79	3784106.57	0.00012616	0.00013388	0.000260
390991.2	3784614.55	0.00021981	0.00020960	0.000429
391497.54	3783557.5	0.00012536	0.00013799	0.000263
391003.58	3784633.82	0.00017533	0.00016469	0.000340
391758.76	3784127.64	0.00012512	0.00013228	0.000257
391011.71	3783912.91	0.00012738	0.00013366	0.000261
391586.44	3783556.74	0.00012418	0.00013685	0.000261
390958.55	3784017.93	0.00012496	0.00012724	0.000252
391805.2	3784044.37	0.00012399	0.00013256	0.000257
391748.73	3784148.71	0.00012424	0.00013075	0.000255
391668.47	3784317.29	0.00012505	0.00012343	0.000248
391738.7	3784169.79	0.00012358	0.00012934	0.000253
391138.11	3783779.57	0.00014331	0.00015566	0.000299
391528.55	3783551.17	0.00012235	0.00013483	0.000257
391337.43	3783618.24	0.00012343	0.00013517	0.000259
391728.66	3784190.86	0.00012286	0.00012776	0.000251
391398.46	3783581.26	0.00012229	0.00013388	0.000256
391678.5	3784296.22	0.00012343	0.00012298	0.000246
391725.96	3783604.34	0.00012063	0.00013136	0.000252
391718.63	3784211.93	0.00012221	0.00012616	0.000248
391698.83	3783586.33	0.00012036	0.00013157	0.000252
391688.54	3784275.14	0.00012227	0.00012299	0.000245
391708.6	3784233	0.00012166	0.00012459	0.000246
391698.57	3784254.07	0.00012168	0.00012354	0.000245
391752.9	3783621.87	0.00011941	0.00012956	0.000249
391804.36	3784064.23	0.00012002	0.00012818	0.000248
391660.91	3784357.1	0.00012190	0.00011861	0.000241
390978.24	3784624.21	0.00020880	0.00019905	0.000408
390930.11	3784052.02	0.00012024	0.00012187	0.000242
391671.46	3783567.73	0.00011839	0.00012990	0.000248
390972.02	3783991.94	0.00011978	0.00012258	0.000242
391617.71	3783550.53	0.00011803	0.00013001	0.000248
390986.16	3784643.81	0.00016936	0.00015936	0.000329
391047.61	3783856.32	0.00012286	0.00013074	0.000254
391569.78	3783549.37	0.00011786	0.00012995	0.000248
390906.16	3784088.21	0.00011856	0.00011960	0.000238
391798.49	3784086.91	0.00011749	0.00012523	0.000243
391788.36	3784108.19	0.00011679	0.00012414	0.000241
391465.97	3783543.54	0.00011653	0.00012802	0.000245
391060.77	3783840.56	0.00012221	0.00013080	0.000253
390998.44	3783950.04	0.00011786	0.00012190	0.000240
391146.32	3783762.48	0.00013125	0.00014321	0.000274
390996.13	3783928.68	0.00011796	0.00012334	0.000241
391778.24	3784129.46	0.00011569	0.00012254	0.000238
391322.58	3783618.79	0.00011641	0.00012751	0.000244
391553.13	3783542.01	0.00011470	0.00012648	0.000241
390940.34	3784025.61	0.00011552	0.00011767	0.000233
391768.11	3784150.73	0.00011439	0.00012066	0.000235
391433.96	3783549.42	0.00011356	0.00012450	0.000238
391676.95	3784342.2	0.00011461	0.00011267	0.000227
391757.98	3784172.01	0.00011345	0.00011908	0.000233
390958.64	3784635.55	0.00020346	0.00019417	0.000398
390971.02	3784654.81	0.00016183	0.00015228	0.000314
391739.86	3783589.9	0.00011184	0.00012188	0.000234
391747.85	3784193.28	0.00011307	0.00011797	0.000231
391712.82	3783572.11	0.00011163	0.00012211	0.000234
391584.85	3783536	0.00011154	0.00012303	0.000235
391497.32	3783537.37	0.00011175	0.00012301	0.000235
391536.48	3783534.64	0.00011157	0.00012300	0.000235
391687.08	3784320.93	0.00011305	0.00011217	0.000225

391737.72	3784214.56	0.00011201	0.00011608	0.000228
391087.45	3783809.96	0.00011933	0.00012896	0.000248
391727.6	3784235.83	0.00011164	0.00011480	0.000226
391697.21	3784299.65	0.00011201	0.00011217	0.000224
391685.56	3783553.79	0.00010988	0.00012061	0.000230
391632.28	3783536.93	0.00010995	0.00012116	0.000231
391330.28	3783607.79	0.00011153	0.00012210	0.000234
391707.34	3784278.38	0.00011144	0.00011263	0.000224
391717.47	3784257.1	0.00011124	0.00011345	0.000225
391016.21	3783874.69	0.00011278	0.00011961	0.000232
390952.8	3784000.19	0.00011048	0.00011307	0.000224
391154.54	3783745.4	0.00011793	0.00012908	0.000247
391118.39	3783778.33	0.00011875	0.00012930	0.000248
390972.63	3783973.98	0.00010899	0.00011209	0.000221
391029.85	3783860.17	0.00011113	0.00011823	0.000229
391519.82	3783527.28	0.00010745	0.00011840	0.000226
390945	3784646.22	0.00019112	0.00018205	0.000373
391399.1	3783561.51	0.00010751	0.00011766	0.000225
391071.54	3783818.61	0.00011295	0.00012181	0.000235
390952.92	3784665.81	0.00015509	0.00014594	0.000301
390922.13	3784033.3	0.00010647	0.00010848	0.000215
391466.09	3783523.56	0.00010569	0.00011608	0.000222
391599.8	3783522.57	0.00010525	0.00011614	0.000221
391341.01	3783595.14	0.00010660	0.00011666	0.000223
391551.99	3783521.47	0.00010456	0.00011534	0.000220
391726.83	3783557.94	0.00010389	0.00011371	0.000218
391662.86	3783530.42	0.00010385	0.00011435	0.000218
391503.17	3783519.92	0.00010278	0.00011316	0.000216
391434.4	3783529.58	0.00010291	0.00011277	0.000216
391699.68	3783539.87	0.00010226	0.00011230	0.000215
391162.75	3783728.32	0.00010863	0.00011911	0.000228
390979.37	3783955.2	0.00010388	0.00010741	0.000211
390935.55	3784007.12	0.00010286	0.00010532	0.000208
390925.39	3784657.55	0.00018115	0.00017201	0.000353
391630.72	3783516.21	0.00010095	0.00011137	0.000212
390937.78	3784676.82	0.00014734	0.00013838	0.000286
391041	3783839.21	0.00010516	0.00011277	0.000218
391126.59	3783761.27	0.00011020	0.00012039	0.000231
390977.06	3783933.84	0.00010171	0.00010632	0.000208
391486.52	3783512.55	0.00009995	0.00010992	0.000210
390899.97	3784050.8	0.00010042	0.00010218	0.000203
391327.8	3783594.03	0.00010070	0.00011021	0.000211
391054.15	3783823.42	0.00010337	0.00011140	0.000215
391567.33	3783508.21	0.00009727	0.00010735	0.000205
391469.86	3783505.19	0.00009722	0.00010678	0.000204
391519.13	3783506.94	0.00009683	0.00010669	0.000204
391170.96	3783711.24	0.00010091	0.00011072	0.000212
391598.59	3783502	0.00009621	0.00010624	0.000202
391661.27	3783509.68	0.00009602	0.00010588	0.000202
390946.14	3783983.39	0.00009711	0.00009992	0.000197
391713.8	3783525.97	0.00009541	0.00010483	0.000200
391134.78	3783744.22	0.00010222	0.00011191	0.000214
391098.66	3783777.09	0.00010178	0.00011094	0.000213
390917.37	3784014.9	0.00009553	0.00009782	0.000193
391009.6	3783857.57	0.00009620	0.00010268	0.000199
391629.43	3783495.6	0.00009296	0.00010266	0.000196
391023.23	3783843.01	0.00009578	0.00010267	0.000198
390977.12	3783915.12	0.00009386	0.00009881	0.000193
391534.85	3783493.85	0.00009192	0.00010135	0.000193
390960.3	3783960.41	0.00009314	0.00009631	0.000189
391434.87	3783509.75	0.00009174	0.00010050	0.000192
391691.5	3783503.01	0.00009081	0.00010006	0.000191
391064.91	3783801.43	0.00009579	0.00010390	0.000200
391142.98	3783727.16	0.00009606	0.00010531	0.000201
391486.27	3783492.41	0.00009068	0.00009970	0.000190
391453.21	3783497.83	0.00009067	0.00009946	0.000190
391179.18	3783694.16	0.00009352	0.00010268	0.000196
391106.85	3783760.06	0.00009588	0.00010483	0.000201
391566.45	3783487.79	0.00008930	0.00009858	0.000188
390899.61	3784024.84	0.00009001	0.00009214	0.000182
390927.26	3783989.21	0.00009014	0.00009284	0.000183
391659.92	3783489.04	0.00008889	0.00009813	0.000187
391597.59	3783481.52	0.00008833	0.00009758	0.000186
391034.4	3783822.09	0.00009011	0.00009725	0.000187
390991.84	3783861.41	0.00008861	0.00009465	0.000183
391151.18	3783710.11	0.00009032	0.00009909	0.000189
391187.39	3783677.08	0.00008890	0.00009767	0.000187
391628.35	3783475.08	0.00008578	0.00009479	0.000181
391502.38	3783479.49	0.00008578	0.00009441	0.000180
391115.04	3783743.03	0.00009057	0.00009921	0.000190
391047.54	3783806.27	0.00008856	0.00009599	0.000185
390941.23	3783965.58	0.00008543	0.00008839	0.000174
391078.94	3783775.84	0.00008891	0.00009699	0.000186
391534.31	3783473.58	0.00008339	0.00009195	0.000175
391159.38	3783693.06	0.00008593	0.00009431	0.000180
391565.75	3783467.44	0.00008238	0.00009096	0.000173

391436.55	3783490.46	0.00008272	0.00009062	0.000173
390908.37	3783995.04	0.00008225	0.00008473	0.000167
391123.22	3783726	0.00008582	0.00009411	0.000180
391453.41	3783477.88	0.00008141	0.00008927	0.000171
391002.99	3783840.44	0.00008317	0.00008935	0.000173
391195.6	3783659.99	0.00008288	0.00009112	0.000174
390957.98	3783939.01	0.00008158	0.00008495	0.000167
390977.19	3783896.39	0.00008198	0.00008686	0.000169
391016.61	3783825.86	0.00008281	0.00008935	0.000172
391596.78	3783461.12	0.00007960	0.00008797	0.000168
391087.11	3783758.83	0.00008442	0.00009234	0.000177
391469.9	3783465.13	0.00007932	0.00008708	0.000166
391167.58	3783676	0.00008143	0.00008943	0.000171
390922.16	3783970.78	0.00007948	0.00008232	0.000162
391502.18	3783459.37	0.00007818	0.00008603	0.000164
391131.41	3783708.97	0.00008157	0.00008951	0.000171
391565.2	3783447.16	0.00007651	0.00008448	0.000161
391095.29	3783741.82	0.00008035	0.00008806	0.000168
391533.91	3783453.36	0.00007607	0.00008386	0.000160
391027.8	3783804.98	0.00007819	0.00008484	0.000163
391175.78	3783658.95	0.00007741	0.00008506	0.000162
391059.21	3783774.6	0.00007857	0.00008577	0.000164
391203.81	3783642.91	0.00007689	0.00008460	0.000161
391139.6	3783691.94	0.00007772	0.00008531	0.000163
390985.22	3783844.24	0.00007648	0.00008214	0.000159
391227.9	3783617.18	0.00007593	0.00008360	0.000160
390938.91	3783944.18	0.00007454	0.00007763	0.000152
391103.47	3783724.82	0.00007671	0.00008415	0.000161
390958.05	3783920.36	0.00007382	0.00007738	0.000151
390903.09	3783975.96	0.00007329	0.00007595	0.000149
391502.08	3783439.29	0.00007208	0.00007929	0.000151
391147.79	3783674.91	0.00007415	0.00008142	0.000156
391067.38	3783757.61	0.00007500	0.00008207	0.000157
391183.98	3783641.9	0.00007331	0.00008062	0.000154
391533.63	3783433.2	0.00007104	0.00007831	0.000149
390996.39	3783823.31	0.00007273	0.00007861	0.000151
391212.03	3783625.83	0.00007231	0.00007962	0.000152
391111.65	3783707.81	0.00007340	0.00008056	0.000154
391009.99	3783808.7	0.00007237	0.00007850	0.000151
391239.45	3783593.42	0.00007034	0.00007744	0.000148
391155.98	3783657.88	0.00007086	0.00007784	0.000149
390919.83	3783949.33	0.00006948	0.00007241	0.000142
391075.55	3783740.62	0.00007182	0.00007873	0.000151
391119.83	3783690.8	0.00007035	0.00007723	0.000148
391192.18	3783624.84	0.00006927	0.00007624	0.000146
391039.49	3783773.36	0.00007018	0.00007666	0.000147
391502.06	3783419.24	0.00006670	0.00007336	0.000140
390938.97	3783925.6	0.00006712	0.00007032	0.000137
391164.16	3783640.85	0.00006782	0.00007456	0.000142
391083.72	3783723.63	0.00006891	0.00007562	0.000145
390900.76	3783954.5	0.00006660	0.00006953	0.000136
390978.6	3783827.07	0.00006744	0.00007288	0.000140
390958.31	3783845.78	0.00006699	0.00007209	0.000139
391128	3783673.79	0.00006744	0.00007405	0.000141
390958.11	3783901.72	0.00006619	0.00006982	0.000136
391047.65	3783756.38	0.00006713	0.00007350	0.000141
391203.93	3783606.48	0.00006556	0.00007221	0.000138
391221.69	3783599.95	0.00006530	0.00007195	0.000137
391091.89	3783706.64	0.00006628	0.00007277	0.000139
391136.18	3783656.78	0.00006504	0.00007144	0.000136
391172.35	3783623.82	0.00006439	0.00007085	0.000135
390958.18	3783883.07	0.00006390	0.00006801	0.000132
390989.78	3783806.18	0.00006428	0.00006984	0.000134
391243.84	3783572.29	0.00006332	0.00006971	0.000133
391055.81	3783739.41	0.00006457	0.00007081	0.000135
391003.37	3783791.54	0.00006395	0.00006968	0.000134
390919.9	3783930.65	0.00006245	0.00006545	0.000128
391100.06	3783689.64	0.00006383	0.00007009	0.000134
391019.76	3783772.12	0.00006312	0.00006901	0.000132
391144.36	3783639.77	0.00006259	0.00006880	0.000131
390939.17	3783869.87	0.00006146	0.00006593	0.000127
390900.82	3783935.88	0.00006083	0.00006389	0.000125
391063.97	3783722.43	0.00006223	0.00006832	0.000131
390939.04	3783907.02	0.00006056	0.00006383	0.000124
391108.23	3783672.65	0.00006151	0.00006754	0.000129
391180.54	3783606.79	0.00006082	0.00006698	0.000128
390958.37	3783827.14	0.00006085	0.00006583	0.000127
391272.99	3783542.05	0.00006009	0.00006596	0.000126
391226.11	3783578.81	0.00005971	0.00006580	0.000126
391208.37	3783585.33	0.00005967	0.00006577	0.000125
390971.97	3783809.91	0.00005998	0.00006517	0.000125
391027.92	3783755.15	0.00006059	0.00006639	0.000127
391152.54	3783622.76	0.00005983	0.00006581	0.000126
391072.13	3783705.46	0.00006008	0.00006599	0.000126
391255.28	3783548.57	0.00005857	0.00006440	0.000123
391116.4	3783655.66	0.00005926	0.00006509	0.000124

391190.64	3783591.86	0.00005855	0.00006452	0.000123
390939.1	3783888.45	0.00005817	0.00006184	0.000120
390920.16	3783855.92	0.00005801	0.00006236	0.000120
391036.07	3783738.19	0.00005837	0.00006405	0.000122
391080.3	3783688.48	0.00005810	0.00006382	0.000122
391124.57	3783638.67	0.00005752	0.00006321	0.000121
390919.96	3783911.97	0.00005654	0.00005961	0.000116
391160.72	3783605.75	0.00005705	0.00006281	0.000120
390939.3	3783832.72	0.00005691	0.00006153	0.000118
390983.17	3783789.05	0.00005726	0.00006246	0.000120
390920.09	3783874.61	0.00005647	0.00006055	0.000117
391000.04	3783770.87	0.00005708	0.00006245	0.000120
391237.57	3783555.08	0.00005583	0.00006149	0.000117
391280.83	3783519.65	0.00005536	0.00006070	0.000116
391044.23	3783721.23	0.00005649	0.00006205	0.000119
391088.46	3783671.51	0.00005621	0.00006174	0.000118
390900.89	3783917.27	0.00005507	0.00005816	0.000113
391132.74	3783621.68	0.00005529	0.00006080	0.000116
390920.03	3783893.29	0.00005432	0.00005774	0.000112
390901.08	3783861.41	0.00005429	0.00005833	0.000113
391008.19	3783753.92	0.00005507	0.00006038	0.000115
391202.14	3783568.11	0.00005425	0.00005982	0.000114
391263.14	3783526.16	0.00005395	0.00005926	0.000113
391052.38	3783704.27	0.00005489	0.00006032	0.000115
390900.95	3783898.65	0.00005376	0.00005723	0.000111
391168.89	3783588.74	0.00005405	0.00005955	0.000114
391219.86	3783561.6	0.00005377	0.00005928	0.000113
391096.62	3783654.53	0.00005436	0.00005970	0.000114
390901.02	3783880.03	0.00005287	0.00005667	0.000110
391184.43	3783574.63	0.00005302	0.00005846	0.000111
391140.91	3783604.69	0.00005298	0.00005831	0.000111
391302.79	3783492.07	0.00005218	0.00005709	0.000109
391060.54	3783687.31	0.00005329	0.00005856	0.000112
391016.34	3783736.98	0.00005324	0.00005846	0.000112
391104.78	3783637.56	0.00005275	0.00005796	0.000111
391245.44	3783532.67	0.00005202	0.00005726	0.000109
390965.35	3783792.74	0.00005253	0.00005738	0.000110
390980.34	3783769.59	0.00005196	0.00005689	0.000109
391285.11	3783498.57	0.00005082	0.00005568	0.000106
391068.69	3783670.35	0.00005170	0.00005681	0.000109
391024.49	3783720.03	0.00005161	0.00005672	0.000108
391112.94	3783620.58	0.00005104	0.00005610	0.000107
391149.07	3783587.7	0.00005049	0.00005561	0.000106
391210.06	3783545.69	0.00005003	0.00005518	0.000105
391267.43	3783505.07	0.00004955	0.00005438	0.000104
391076.85	3783653.39	0.00005023	0.00005519	0.000105
391032.64	3783703.08	0.00005013	0.00005511	0.000105
391227.75	3783539.18	0.00004927	0.00005431	0.000104
390901.15	3783842.79	0.00004907	0.00005308	0.000102
391192.36	3783552.19	0.00004903	0.00005409	0.000103
391121.11	3783603.6	0.00004894	0.00005383	0.000103
391249.75	3783511.57	0.00004811	0.00005291	0.000101
391085	3783636.43	0.00004868	0.00005349	0.000102
391040.78	3783686.13	0.00004882	0.00005369	0.000103
391174.67	3783558.7	0.00004800	0.00005295	0.000101
391157.24	3783570.71	0.00004802	0.00005294	0.000101
391314.1	3783468.39	0.00004704	0.00005144	0.000098
391048.93	3783669.18	0.00004758	0.00005231	0.000100
391093.16	3783619.46	0.00004718	0.00005185	0.000099
391129.27	3783586.63	0.00004691	0.00005165	0.000099
391232.08	3783518.07	0.00004619	0.00005089	0.000097
391296.43	3783474.89	0.00004578	0.00005013	0.000096
391057.08	3783652.23	0.00004645	0.00005106	0.000098
391214.4	3783524.58	0.00004555	0.00005024	0.000096
391196.72	3783531.08	0.00004515	0.00004983	0.000095
391101.31	3783602.5	0.00004538	0.00004989	0.000095
391278.77	3783481.38	0.00004460	0.00004891	0.000094
391137.43	3783569.65	0.00004497	0.00004956	0.000095
391065.23	3783635.28	0.00004517	0.00004964	0.000095
391339.51	3783439.53	0.00004400	0.00004806	0.000092
391179.04	3783537.58	0.00004433	0.00004894	0.000093
391109.47	3783585.54	0.00004392	0.00004833	0.000092
391386.69	3783383.15	0.00004294	0.00004685	0.000090
391073.38	3783618.33	0.00004378	0.00004812	0.000092
391161.36	3783544.08	0.00004344	0.00004794	0.000091
391261.11	3783487.88	0.00004307	0.00004733	0.000090
391145.59	3783552.68	0.00004303	0.00004746	0.000090
391321.85	3783446.02	0.00004253	0.00004649	0.000089
391304.2	3783452.52	0.00004201	0.00004596	0.000088
391353.88	3783414.73	0.00004183	0.00004565	0.000087
391117.62	3783568.58	0.00004231	0.00004661	0.000089
391243.44	3783494.38	0.00004199	0.00004622	0.000088
391081.53	3783601.38	0.00004224	0.00004643	0.000089
391208.12	3783507.37	0.00004174	0.00004605	0.000088
391225.78	3783500.87	0.00004136	0.00004559	0.000087
391190.46	3783513.87	0.00004138	0.00004569	0.000087

391336.02	3783421.3	0.00004097	0.00004473	0.000086
391286.55	3783459.01	0.00004099	0.00004492	0.000086
391358.14	3783393.65	0.00004070	0.00004439	0.000085
391089.68	3783584.44	0.00004112	0.00004523	0.000086
391318.16	3783427.87	0.00004052	0.00004427	0.000085
391172.79	3783520.36	0.00004074	0.00004500	0.000086
391125.78	3783551.62	0.00004068	0.00004485	0.000086
391300.29	3783434.44	0.00004017	0.00004392	0.000084
391340.29	3783400.21	0.00003989	0.00004351	0.000083
391268.9	3783465.5	0.00004012	0.00004403	0.000084
391054.57	3783615.19	0.00004058	0.00004461	0.000085
391251.25	3783471.99	0.00004002	0.00004399	0.000084
391233.6	3783478.48	0.00003999	0.00004403	0.000084
391155.13	3783526.86	0.00004011	0.00004429	0.000084
390993.56	3783699.81	0.00004033	0.00004443	0.000085
391215.95	3783484.97	0.00003965	0.00004370	0.000083
391097.83	3783567.49	0.00003980	0.00004382	0.000084
391010.04	3783665.54	0.00003974	0.00004375	0.000083
391001.8	3783682.68	0.00003971	0.00004373	0.000083
391282.43	3783441.01	0.00003907	0.00004278	0.000082
391137.47	3783533.36	0.00003934	0.00004342	0.000083
391018.28	3783648.41	0.00003960	0.00004356	0.000083
391198.3	3783491.47	0.00003904	0.00004308	0.000082
391322.45	3783406.78	0.00003870	0.00004224	0.000081
391062.82	3783598.04	0.00003934	0.00004325	0.000083
391264.56	3783447.58	0.00003836	0.00004208	0.000080
391180.65	3783497.96	0.00003841	0.00004243	0.000081
391105.98	3783550.54	0.00003846	0.00004239	0.000081
391071.06	3783580.88	0.00003841	0.00004224	0.000081
391304.61	3783413.34	0.00003772	0.00004120	0.000079
390910.5	3783793.44	0.00003801	0.00004160	0.000080
391163	3783504.45	0.00003771	0.00004167	0.000079
390919.39	3783777.24	0.00003737	0.00004100	0.000078
391145.35	3783510.94	0.00003714	0.00004103	0.000078
391286.77	3783419.9	0.00003679	0.00004024	0.000077
391114.13	3783533.59	0.00003716	0.00004100	0.000078
391079.31	3783563.73	0.00003721	0.00004096	0.000078
390928.27	3783761.04	0.00003716	0.00004085	0.000078
391127.7	3783517.43	0.00003642	0.00004022	0.000077
390937.15	3783744.84	0.00003626	0.00003993	0.000076
391087.56	3783546.58	0.00003613	0.00003981	0.000076
390946.03	3783728.64	0.00003590	0.00003957	0.000075
390990.45	3783647.64	0.00003567	0.00003927	0.000075
390954.92	3783712.44	0.00003553	0.00003918	0.000075
390981.57	3783663.84	0.00003537	0.00003899	0.000074
390963.8	3783696.24	0.00003524	0.00003886	0.000074
390999.33	3783631.44	0.00003497	0.00003848	0.000073
390972.68	3783680.04	0.00003487	0.00003844	0.000073
391008.21	3783615.24	0.00003454	0.00003799	0.000073
390890.91	3783790.9	0.00003390	0.00003712	0.000071
390908.66	3783758.51	0.00003371	0.00003709	0.000071
390899.78	3783774.7	0.00003362	0.00003690	0.000071
390917.54	3783742.32	0.00003323	0.00003661	0.000070
390961.94	3783661.35	0.00003329	0.00003670	0.000070
390926.42	3783726.12	0.00003300	0.00003639	0.000069
390970.82	3783645.16	0.00003305	0.00003641	0.000069
390935.3	3783709.93	0.00003276	0.00003615	0.000069
390944.18	3783693.74	0.00003255	0.00003592	0.000068
390979.69	3783628.97	0.00003254	0.00003582	0.000068
390953.06	3783677.55	0.00003237	0.00003571	0.000068
390988.57	3783612.77	0.00003227	0.00003551	0.000068
390997.45	3783596.58	0.00003169	0.00003485	0.000067
391026.5	3783564.27	0.00003133	0.00003444	0.000066
391011.7	3783577.6	0.00003098	0.00003405	0.000065
391026.51	3783537.82	0.00002901	0.00003190	0.000061
391011.75	3783551.12	0.00002876	0.00003160	0.000060
391054.97	3783515.23	0.00002857	0.00003148	0.000060
390996.99	3783564.41	0.00002855	0.00003136	0.000060
391067.89	3783502	0.00002653	0.00002924	0.000056
CONCUNIT ug/	m^3			
DEPUNIT g/m^	2			

B.3 - Additional Supporting Information

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PROJECT SUMMARY

PHASE 1

Construction of New pool and Accompanying Facilities

May 2021 – July 2022

DEMOLITION

17,000 sqft basketball courts

CONSTRUCTION

- Pool = 10,200 sqft
- Pool deck
- Pool equipment area = 1,176 sqft
- Pool storage area = 1,087 sqft
- Public restroom = $2 \times 218 = 436$ sq ft
- Locker rooms = $2 \times 378 = 756$ sqft
- Concrete storage area = 284 sqft
- Coach's office = 411 sqft
- Construction of two new light poles
- Floating stainless-steel bulkhead
- Bleachers with seating capacity for up to 247-250 people

PHASE 2

- *South parking lot*
- *Baseball field improvements*

April 2022 - October 2022

DEMOLITION

- Removal of asphalt-paved parking lot (re-grading required at west side of existing south parking lot): 5,500 sf

CONSTRUCTION

The existing on-campus baseball field would be shifted west to expand the student parking lot.

- Repaving (Grind and Overlay): 27,700 sqft
- The need for additional student parking on the LCHS campus would be accommodated by widening the south lot and adding approximately 30 spaces to the reconfigured south parking lot.
- Removal of associated landscaping (JV field turf removal to allow for widening of south parking lot): 11,000 sqft
- Removal of surface for baseball field: N/A, JV baseball infield is just being shifted to the west
- Fire Lane to South Parking Lot: 10,200 sqft

The existing southern baseball field would be shifted west to make room for the parking lot expansion and pool construction.

- Baseball field improvements would include the
 - Relocation of the backstop, dugouts, bleachers, and right field lighting.
 - The three existing right field lighting poles and footings would be demolished and relocated to new lighting poles to the west. In addition, two of the existing batting cages with lighting would be demolished to allow for more parking spaces, and one existing batting cage would remain onsite.
 - One additional batting cage with lighting would be constructed.
- The south parking lot expansion would include shifting the southern Junior Varsity (JV) baseball field (including backstop fencing, infield diamond, dugouts, bleachers, the two field lighting poles that stand along the west edge of the parking lot),
 - the two existing parking lot light poles, and associated landscaping west to widen the parking lot,
 - converting the existing 45-degree parking spaces to 90-degree spaces, and adding additional spaces, for new a total of 147-155 parking spaces that would continue to serve as student parking. 147 parking spaces proposed.
 - The two existing light poles and fixtures would be relocated to new footing, and their existing footings would be demolished.

PHASE 3

- *Filling of old pool*
- *Construction of new basketball courts and adjacent plaza*
- *ADA improvements to existing North Gym locker rooms*

May 2022 – October 2022

DEMOLITION

- Existing Pool (area of water surface): 4,800 sqft
- Existing Pool Equipment Building: 750 sqft
- Existing Pool Deck: 6,400 sqft

CONSTRUCTION

Existing 25-meter pool and 750-square-foot pool equipment building would be demolished to construct new basketball courts with associated steps/seating (Exhibit 5) and provide extended fire truck access to this area of campus.

- Basketball Court – 11,650 sqft
- Fire Lane to West of Existing Pool – 7,700 sqft
- Hardscaping/landscaping to the West – 12,000 sqft

POOL

- Two new 45-foot by 90-foot basketball courts
- Additional backstops for Physical Education and recreational usage,
- Hardscaping and landscaping at the west side of the courts,
- Shaded seating and gathering area for students

NORTH GYMNASIUM

- Reconfiguration of the existing restroom facilities to include enlarging the accessible toilet stall, the addition of grab bars, and installation of a new accessible hand wash sink, mirror, hair dryer, drinking fountains, and miscellaneous toilet accessories.
- Addition of accessible shower fixtures and related folding benches, grab bars, and towel hooks.
- Reconfiguration of a small number of lockers in each locker room to accommodate accessible changing benches and appropriate latching and locking hardware.

Table: Conceptual Construction Schedule

Construction Activity	Conceptual Construction Schedule		Working Days per Week	Total Number of Working Days
	Start Date	End Date		
Phase 1				
Demolition	5/3/2021	5/14/2021	5	10
Site Preparation (removal of utilities, hauling, re-compaction)	5/15/2021	8/13/2021	5	65
Grading	8/14/2021	8/24/2021	5	7
Building Construction	8/25/2021	7/11/2022	5	229
Paving	7/12/2022	7/18/2022	5	5
Architectural Coating	7/19/2022	7/25/2022	5	5
Phase 2				
Demolition	4/1/2022	5/5/2022	5	25
Site Preparation	5/6/2022	5/17/2022	5	8
Grading	5/18/2022	6/9/2022	5	17
Building Construction (includes relocation of light poles, dugouts, batting field and lighting)	6/10/2022	7/4/2022	5	17
Paving	7/5/2022	8/31/2022	5	42
Architectural Coating	9/1/2022	10/28/2022	5	42
Phase 3				
Demolition	5/2/2022	5/13/2022	5	10
Site Preparation	5/14/2022	5/16/2022	5	1
Grading	5/17/2022	5/18/2022	5	2
Building Construction (includes seating construction and north gymnasium reconfigurations)	5/19/2022	9/19/2022	5	88
Paving	9/20/2022	9/26/2022	5	5
Architectural Coating	9/27/2022	10/3/2022	5	5
Additional Miscellaneous Construction Activities (new pavement features, walkways, planting areas, and seating, stairs, ramps, and pavers to be installed on-site)				
Demolition	6/11/2022	6/22/2022	6	10
Site Preparation	6/23/2022	7/15/2022	6	20
Grading	7/16/2022	8/8/2022	6	20
Paving	8/9/2022	9/23/2022	6	40
Source: CalEEMod Output Files				

PROJECT NAME: La Cañada Unified School District—New Outdoor Pool Facility and South of Campus Improvement Project

Southern California Edison Electricity Emissions Factors

Year	lbs CO ₂ e/MWh
CalEEMod Default	702.00
Latest Calculated(2017)	537.95
2020-2029	532.57
2030	397.44

2017 Electricity Emissions Factor

Emissions Factors	t/kWh	Share of Portfolio	t/kWh	t/MWh	lbs/MWh
RPS sources	-	32%	-	-	-
Natural Gas	0.000459	20%	0.00009170	-	-
Nuclear	0.000002	6%	0.00000010	-	-
Coal	0.001218	0%	-	-	-
Large Hydroelectric	0.000086	8%	0.00000687	-	-
Unspecified Sources	0.000427	34%	0.00014534	-	-
Total	-	100%	0.00024401	0.24	537.95

Power Content Label

Sothern California Edison 2017	%	Source
RPS sources	32%	California Energy Commission (CEC). 2018. Power Content Label 2017 SCE Power Mix. July. Website: https://ww2.energy.ca.gov/pcl/labels/2017_labels/SCE_2017_PCL.pdf . Accessed January 15, 2020.
Natural Gas	20%	
Nuclear	6%	
Coal	0%	
Large Hydroelectric	8%	
Unspecified Sources	34%	
Total	100%	

Natural Gas Facility Emissions Factor Calculation

Natural Gas Emissions Factor

	CO ₂	CH ₄	N ₂ O	CO ₂ e	Source
kg per mmBtu	53.06	-	-	-	Environmental Protection Agency (EPA). 2018. Emission Factors for Greenhouse Gas Inventories. March 9. Website: https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf . Accessed January 15, 2020.
g per mmBtu	53,060	1.00	0.10	-	
t per mmBtu	0.05	0.00	0.00	-	
t CO ₂ e per mmBtu	0.05	0.00	0.00	0.05	Calculated
t CO ₂ e per GJ	-	-	-	0.06	Calculated

Heat Rates

Value	Units	Source	Notes
7,755	btu/kWh	California Energy Commission (CEC). 2017. <i>Thermal Efficiency of Natural Gas-Fired Generation in California: 2016 Update</i> . February. Website: http://www.energy.ca.gov/2017publications/CEC-200-2017-003/CEC-200-2017-003.pdf . Accessed January 15, 2020.	Table 1, State Average w/o Cogeneration (per last paragraph on pg 4)
0.00818196	GJ/kWh	Converted in Google: GJ per btu	

Natural Gas Facility Emissions Factor

Natural gas emissions factor	0.06	t CO ₂ e per GJ
Natural gas facility heat rate	0.00818196	GJ/kWh
Natural Gas Facility Emissions Factor	0.000458507	t CO ₂ e per kWh

Nuclear Emissions Factor

	Value	Units	Source
Nuclear GHG Emissions	0.40	gCO ₂ e/MJ	California Air Resource Board. 2009. <i>Detailed California-Modified GREET Pathway for California Average and Marginal</i>
Nuclear Emissions Factor	0.00000159	t/kWh	<i>Electricity</i> . February 27. Website: https://www.arb.ca.gov/fuels/lcfs/022709lcfs_elec.pdf . Accessed January 15, 2020.

Unspecified Electricity Source Emissions Factor Calculation**ARB California GHG Inventory Unspecified Electricity Emissions Factors**

2014	CO ₂	CH ₄	N ₂ O	CO ₂ e	Units	Source
Pacific Northwest (PNW)	427	0.008117	0.00094388	427.4774042	g/kWh	California Air Resource Board. 2016. <i>Annex 1B. Electricity Production - Imports (IPCC 1A1a) to the Technical Support Document for California's 2000-2014 Greenhouse Gas Emission Inventory</i> . March 30. Website: https://www.arb.ca.gov/cc/inventory/doc/methods_00-14/annex_1b_electricity_production_imports.pdf . Accessed January 15, 2020.
Pacific Southwest (PSW)	427	0.008117	0.00094388	427.4774042	g/kWh	
PNW and PSW	-	-	-	0.000427477	t/kWh	-

Other/Unspecified Emissions Factor

Unspecified Electricity Emissions Factor	0.000427	t CO ₂ e per kWh
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Coal Electricity Source Emissions Factor Calculation**ARB California GHG Inventory Specified Imports : Montana : Hardin Generating Project (MT) Electricity Emissions Factors**

2014	CO ₂	CH ₄	N ₂ O	CO ₂ e	Units	Source
Coal Electricity Source Emissions Factor Calculation	1212	0.0125	0.02	1217.65	g/kWh	California Air Resource Board. 2016. Annex 1B. Electricity Production - Imports (IPCC 1A1a) to the Technical Support Document for California's 2000-2014 Greenhouse Gas Emission Inventory. March 30. Website: https://www.arb.ca.gov/cc/inventory/doc/methods_00-14/annex_1b_electricity_production_imports.pdf . Accessed January 15, 2020.
Total	-	-	-	0.00121765	t/kWh	-
Note: The factors for NV station chosen as it has highest CO ₂ emissions from coal generation for 2014.						

Coal Emissions Factor

Unspecified Electricity Emissions Factor	0.001218 t CO ₂ e per kWh
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Large Hydroelectricity Source Emissions Factor Calculation

ARB California GHG Inventory Specified Imports : Pacific Northwest : Bonneville Power Administration (PNW) Electricity Emissions Factors

2012	CO ₂	CH ₄	N ₂ O	CO ₂ e	Units	Source
Hydroelectric Electricity Source Emissions Factor Calculation	85.8	0.0016	0.00018	85.8925	g/kWh	California Air Resource Board. 2016. Annex 1B. Electricity Production - Imports (IPCC 1A1a) to the Technical Support Document for California's 2000-2014 Greenhouse Gas Emission Inventory. March 30. Website: https://www.arb.ca.gov/cc/inventory/doc/methods_00-14/annex_1b_electricity_production_imports.pdf . Accessed January 15, 2020.
Total	-	-	-	0.00008589	t/kWh	-

Large Hydroelectric Emissions Factor

Unspecified Electricity Emissions Factor	0.000086 t CO ₂ e per kWh
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2020-2029 and 2030 Electricity Emissions Factors

Non-RPS Energy	Year	SCE RPS Position	Notes	Source
68.0%	Latest(2017)	32.0%		California Energy Commission (CEC). 2018. Power Content Label 2017 SCE Power Mix. July. Website: https://www2.energy.ca.gov/pcl/labels/2017_labels/SCE_2017_PCL.pdf . Accessed January 15, 2020.
67.0%	2020-2029	33.0%		
50.0%	2030	50.0%		

Estimated Power Content Label Sources

	Latest Power Content Label(SCE 2017)	2020-2029*	Share of Non-RPS in 2020-2029	2030	Source
SCE					
RPS	32%	33.0%	-	50.0%	California Energy Commission (CEC). 2018. Power Content Label 2017 SCE Power Mix. July. Website:
Natural Gas	20%	19.8%	29.6%	14.8%	

Nuclear	6%	5.9%	8.9%	4.4%	https://ww2.energy.ca.gov/pcl/labels/2017_labels/SCE_2017_PCL.pdf . Accessed January 15, 2020.
Coal	0%	0.0%	0.0%	0.0%	
Large Hydroelectric	8%	7.9%	11.8%	5.9%	
Unspecified Sources	34%	33.7%	50.2%	25.1%	
Total	100%	100%	100%	100%	
* Factors adjusted to comply with RPS, based on latest power content label.					

2020-2029					
Emissions Factors	t/kWh	Share of Portfolio	t/kWh	t/MWh	lbs/MWh
RPS	-	33.0%	-		
Natural Gas	0.000459	19.8%	0.000091		
Nuclear	0.000002	5.9%	0.000000		
Coal	0.001218	0.0%	-		
Large Hydroelectric	0.000086	7.9%	0.000007		
Unspecified	0.000427	33.7%	0.000144		
Total	-	100%	0.000242	0.24	532.57

2030					
Emissions Factors	t/kWh	Share of Portfolio	t/kWh	t/MWh	lbs/MWh
RPS	-	50.0%	-		
Natural Gas	0.000459	14.8%	0.000068		
Nuclear	0.000002	4.4%	0.000000		
Coal	0.001218	0.0%	-		
Large Hydroelectric	0.000086	5.9%	0.000005		
Unspecified	0.000427	25.1%	0.000107		
Total	-	100%	0.000180	0.18	397.44

CONVERSION FACTORS

Conversions

GJ	mmBtu
1	0.947817
g	kg
1	1,000
g	t
1	0.000001
lb	t
2,204.62	1
kW	MW
1	0.001

GWP Factors

CO ₂	1
CH ₄	28
N ₂ O	265

ABBREVIATIONS

RPS	Renewable Portfolio Standard
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B.4 - Energy Calculations

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La Cañada Unified School District—New Outdoor Pool Facility and South of Campus Improvement Project

Last Update: 10/06/20

Summary of Energy Use During Construction

(Annually)

Construction vehicle fuel	6,833 gallons (gasoline, diesel)
Construction equipment fuel	35,205 gallons (diesel)
Construction office electricity	13,914 kilowatt hours

Summary of Energy Use During Operations

(Annually)

Operational natural gas	52,508 kilo-British Thermal Units
Operational electricity	73,799 kilowatt hours

California Air Resource Board. 2020. EMFAC2014 Web Database. May. Website: <https://www.arb.ca.gov/emfac/2014/>. Accessed May 5, 2020.

FE = Fuel Economy

Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Worker	Sum of VMT*FE (Column BI)	4651903725
	Total VMT	187412804.8
	Weighted Average FE	24.8216963
Vendor	Sum of VMT*FE (Column BI)	163215782.8
	Total VMT	17133467.32
	Weighted Average FE	9.526138509
Haul	Sum of VMT*FE (Column BI)	39887073.02
	Total VMT	7019669.988
	Weighted Average FE	5.681943526

La Canada - Entire Site. Construction Only Run. - Los Angeles-South Coast County, Annual

Trips and VMT	Phase Name	Trips per Day			Total Trips			Trips per Phase			VMT per Phase			Fuel Consumption (gallons)			
		Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Num Days	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trips	Vendor Trips	Hauling Trips	Worker Trips	Vendor Trips	Hauling Trips
Demolition	10	0	59	14.7	6.9	20	10	100	0	59	1,470	0	1,180	59.22	0.00	10.38	
Site Preparation	5	0	0	14.7	6.9	20	10	100	0	0	1,470	0	0	59.22	0.00	0.00	
Grading	10	0	0	14.7	6.9	20	20	200	0	0	2,940	0	0	118.44	0.00	0.00	
Paving	18	0	0	14.7	6.9	20	40	720	0	0	10,584	0	0	426.40	0.00	0.00	
Entire Site Phase Total Construction VMT (miles)																	
17,644																	
Entire Site Phase Total Fuel Consumption (gallons)																	
674																	

La Canada High School Unmitigated Run - Los Angeles-South Coast County, Annual

[illegible]

Phase 2 Construction

Source: AQ/GHG Appendix, CalEEMod Output
La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Annual
Date: 10/6/2020 10:33 AM

Construction Schedule	Phase Name	Phase Type	Start Date	End Date	Num Days	
					Week	Num Days
	Demolition	Demolition	4/1/2022	5/5/2022	5	25
	Site Preparation	Site Preparation	5/6/2022	5/17/2022	5	8
	Grading	Grading	5/18/2022	6/9/2022	5	17
	Building Construction (includes relocation of light poles, dugouts, batting field and lighting)	Building Construction (includes relocation of light poles, dugouts, batting field and lighting)	6/10/2022	7/4/2022	5	17
	Paving	Paving	7/5/2022	8/31/2022	5	42
	Architectural Coating	Architectural Coating	9/1/2022	10/28/2022	5	42

Trips and VMT	Phase Name	Trips per Day		Total Trips					Trips per Phase		VMT per Phase			Fuel Consumption (gallons)			
			Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip		Worker Trip		Hauling Trip	Worker	Vendor	Hauling	Worker	Vendor	Hauling
		Number	Number	Number	Length	Length	Length	Num Days	Number	Vendor Trip Number	Number	Trips	Trips	Trips	Trips	Trips	Trips
	Demolition	13	0	19	14.7	6.9	20	25	325	0	19	4,778	0	380	192.47	0.00	3.34
	Site Preparation	8	0	0	14.7	6.9	20	8	64	0	0	941	0	0	37.90	0.00	0.00
	Grading	8	0	0	14.7	6.9	20	17	136	0	0	1,999	0	0	80.54	0.00	0.00
	Building Construction (includes relocation of light poles, dugouts, batting field and lighting)	26	10	0	14.7	6.9	20										
	Paving	13	0	0	14.7	6.9	20	42	546	0	0	8,026	0	0	323.35	0.00	0.00
	Architectural Coating	5	0	0	14.7	6.9	20	42	210	0	0	3,087	0	0	124.37	0.00	0.00
	Phase 2 Total Construction VMT (miles)																
	26,881																
	Phase 2 Total Fuel Consumption (gallons)																
	1,147																

Phase 3 Construction

Source: AQ/GHG Appendix, CalEEMod Output
La Canada Unmitigated Construction and Operations-Phase3 - Los Angeles-South Coast County, Annual

Construction Schedule	Phase Name	Phase Type	Start Date	End Date	Num Days	
					Week	Num Days
	Demolition	Demolition	5/2/2022	5/13/2022	5	10
	Site Preparation	Site Preparation	5/14/2022	5/16/2022	5	1
	Grading	Grading	5/17/2022	5/18/2022	5	2
	Building Construction (includes seating construction and north gymnasium reconfigurations)	Building Construction (includes seating construction and north gymnasium reconfigurations)	5/19/2022	9/19/2022	5	88
	Paving	Paving	9/20/2022	9/26/2022	5	5
	Architectural Coating	Architectural Coating	9/27/2022	10/3/2022	5	5

Trips and VMT	Phase Name	Trips per Day		Total Trips		Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Num Days	Worker Trip Number	Trips per Phase		Hauling Trip Number	VMT per Phase			Fuel Consumption (gallons)		
		Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trips						Vendor Trips	Hauling Trips		Worker Trips	Vendor Trips	Hauling Trips			
	Demolition	10	0	61	14.7	6.9	20	10	100	0	61	1,470	0	1,220	59.22	0.00	10.74		
	Site Preparation	5	0	0	14.7	6.9	20	1	5	0	0	74	0	0	2.96	0.00	0.00		
	Grading	10	0	312	14.7	6.9	20	2	20	0	312	294	0	6,240	11.84	0.00	54.91		
	Building Construction (includes seating construction and north gymnasium reconfigurations)	23	11	0	14.7	6.9	20			2,024	968	0	29,753	6,679	0	1,198.66	701.14	0.00	
	Paving	18	0	0	14.7	6.9	20	5	90	0	0	1,323	0	0	53.30	0.00	0.00		
	Architectural Coating	5	2	0	14.7	6.9	20	5	25	10	0	368	69	0	14.81	7.24	0.00		
	Phase 3 Total Construction VMT (miles)																		
	47,489																		
	Phase 3 Total Fuel Consumption (gallons)																		
	2,115																		

Total Project Construction VMT (miles)
171,110
Total Project Fuel Consumption (gallons)
6,833

Construction Equipment Fuel Calculation

Source: AQ/GHG Appendix, CalEEMod Output

Entire Site Phase

La Canada - Entire Site. Construction Only Run. - Los Angeles-South Coast County, Annual

Construction Schedule	Phase Name	Phase Type	Start Date	End Date	Num Days		Week	Load Factor	Days	HP Hours	Diesel Fuel Usage
					Week	Num Days					
	Demolition	Demolition	6/11/2022	6/22/2022	6	10					
	Site Preparation	Site Preparation	6/23/2022	7/15/2022	6	20					
	Grading	Grading	7/16/2022	8/8/2022	6	20					
	Paving	Paving	8/9/2022	9/23/2022	6	40					
Construction Equipment	Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Days	HP Hours	Diesel Fuel Usage		
	Demolition	Concrete/Industrial Saws	1	8	81	0.73	10	4,730.40	236.52		
	Demolition	Rubber Tired Dozers	1	1	247	0.40	10	988.00	49.40		
	Demolition	Tractors/Loaders/Backhoes	2	6	97	0.37	10	4,306.80	215.34		
	Site Preparation	Graders	1	8	187	0.41	20	12,267.20	613.36		
	Site Preparation	Tractors/Loaders/Backhoes	1	8	97	0.37	20	5,742.40	287.12		
	Grading	Concrete/Industrial Saws	1	8	81	0.73	20	9,460.80	473.04		
	Grading	Rubber Tired Dozers	1	1	247	0.40	20	1,976.00	98.80		
	Grading	Tractors/Loaders/Backhoes	2	6	97	0.37	20	8,613.60	430.68		
	Paving	Cement and Mortar Mixers	4	6	9	0.56	40	4,838.40	241.92		
	Paving	Pavers	1	7	130	0.42	40	15,288.00	764.40		
	Paving	Rollers	1	7	80	0.38	40	8,512.00	425.60		
	Paving	Tractors/Loaders/Backhoes	1	7	97	0.37	40	10,049.20	502.46		
Entire Site Phase Construction Equipment Fuel Consumption										4,338.64 gallons	

Phase 1

La Canada High School Unmitigated Run - Los Angeles-South Coast County, Annual

Construction Schedule	Phase Name	Phase Type	Start Date	End Date	Num Days		Week	Load Factor	Days	HP Hours	Diesel Fuel Usage
					Week	Num Days					
	Demolition	Demolition	5/3/2021	5/14/2021	5	10					
	Site Preparation (removal of utilities, hauling, recompaction)	Site Preparation (removal of utilities, hauling, recompaction)	5/15/2021	8/13/2021	5	65					
	Grading	Grading	8/14/2021	8/24/2021	5	7					
	Building Construction	Building Construction	8/25/2021	7/11/2022	5	229					
	Paving	Paving	7/12/2022	7/18/2022	5	5					
	Architectural Coating	Architectural Coating	7/19/2022	7/25/2022	5	5					
Construction Equipment	Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Days	HP Hours	Diesel Fuel Usage		
	Demolition	Concrete/Industrial Saws	1	8	81	0.73	10	4,730.40	236.52		
	Demolition	Rubber Tired Dozers	1	1	247	0.4	10	988.00	49.40		
	Demolition	Tractors/Loaders/Backhoes	2	6	97	0.37	10	4,306.80	215.34		
	Site Preparation	Graders	1	8	187	0.41	65	39,868.40	1,993.42		
	Site Preparation	Tractors/Loaders/Backhoes	1	8	97	0.37	65	18,662.80	933.14		
	Grading	Concrete/Industrial Saws	1	8	81	0.73	7	3,311.28	165.56		
	Grading	Rubber Tired Dozers	1	1	247	0.4	7	691.60	34.58		
	Grading	Tractors/Loaders/Backhoes	2	6	97	0.37	7	3,014.76	150.74		
	Building Construction	Cranes	1	4	231	0.29	229	61,362.84	3,068.14		
	Building Construction	Forklifts	2	6	89	0.2	229	48,914.40	2,445.72		
	Building Construction	Tractors/Loaders/Backhoes	2	8	97	0.37	229	131,500.96	6,575.05		
	Paving	Cement and Mortar Mixers	4	6	9	0.56	5	604.80	30.24		
	Paving	Pavers	1	7	130	0.42	5	1,911.00	95.55		
	Paving	Rollers	1	7	80	0.38	5	1,064.00	53.20		
	Paving	Tractors/Loaders/Backhoes	1	7	97	0.37	5	1,256.15	62.81		
	Architectural Coating	Air Compressors	1	6	78	0.48	5	1,123.20	56.16		
Phase 1 Construction Equipment Fuel Consumption										16,165.57 gallons	

Phase 2

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Annual

Construction Schedule	Phase Name	Phase Type	Start Date	End Date	Num Days		Week	Num Days		
	Demolition	Demolition	4/1/2022	5/5/2022	5		5	25		
	Site Preparation	Site Preparation	5/6/2022	5/17/2022	5		5	8		
	Grading	Grading	5/18/2022	6/9/2022	5		5	17		
	Building Construction (includes relocation of light poles, dugouts, batting field and lighting)	Building Construction (includes relocation of light poles, dugouts, batting field and lighting)	6/10/2022	7/4/2022	5		5	17		
	Paving	Paving	7/5/2022	8/31/2022	5		5	42		
	Architectural Coating	Architectural Coating	9/1/2022	10/28/2022	5		5	42		
Construction Equipment	Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of		HP Hours	Diesel Fuel Usage
	Demolition	Concrete/Industrial Saws	1	8	81	0.73	25		11,826.00	591.30
	Demolition	Rubber Tired Dozers	1	8	247	0.4	25		19,760.00	988.00
	Demolition	Tractors/Loaders/Backhoes	3	8	97	0.37	25		21,534.00	1,076.70
	Site Preparation	Graders	1	8	187	0.41	8		4,906.88	245.34
	Site Preparation	Tractors/Loaders/Backhoes	1	8	97	0.37	8		2,296.96	114.85
	Site Preparation	Rubber Tired Dozers	1	7	247	0.4	8		5,532.80	276.64
	Grading	Rubber Tired Dozers	1	6	247	0.4	17		10,077.60	503.88
	Grading	Tractors/Loaders/Backhoes	1	7	97	0.37	17		4,270.91	213.55
	Grading	Graders	1	6	187	0.41	17		7,820.34	391.02
	Building Construction	Generator Sets	1	8	84	0.74	17		8,453.76	422.69
	Building Construction	Cranes	1	6	231	0.29	17		6,832.98	341.65
	Building Construction	Forklifts	1	6	89	0.2	17		1,815.60	90.78
	Building Construction	Tractors/Loaders/Backhoes	1	6	97	0.37	17		3,660.78	183.04
	Building Construction	Welders	3	8	46	0.45	17		8,445.60	422.28
	Paving	Cement and Mortar Mixers	1	6	9	0.56	42		1,270.08	63.50
	Paving	Pavers	1	6	130	0.42	42		13,759.20	687.96
	Paving	Rollers	1	7	80	0.38	42		8,937.60	446.88
	Paving	Tractors/Loaders/Backhoes	1	8	97	0.37	42		12,059.04	602.95
	Paving	Paving Equipment	1	8	132	0.36	42		15,966.72	798.34
	Architectural Coating	Air Compressors	1	6	78	0.48	42		9,434.88	471.74
Phase 2 Construction Equipment Fuel Consumption										8,933.09 gallons

Phase 3

La Canada Unmitigated Construction and Operations-Phase3 - Los Angeles-South Coast County, Annual

Construction Schedule	Phase Name	Phase Type	Start Date	End Date	Num Days		Week	Num Days		
	Demolition	Demolition	5/2/2022	5/13/2022	5		5	10		
	Site Preparation	Site Preparation	5/14/2022	5/16/2022	5		5	1		
	Grading	Grading	5/17/2022	5/18/2022	5		5	2		
	Building Construction (includes seating construction and north gymnasium reconfigurations)	Building Construction (includes seating construction and north gymnasium reconfigurations)	5/19/2022	9/19/2022	5		5	88		
	Paving	Paving	9/20/2022	9/26/2022	5		5	5		
	Architectural Coating	Architectural Coating	9/27/2022	10/3/2022	5		5	5		
Construction Equipment	Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of		HP Hours	Diesel Fuel Usage
	Demolition	Concrete/Industrial Saws	1	8	81	0.73	10		4,730.40	236.52
	Demolition	Rubber Tired Dozers	1	1	247	0.4	10		988.00	49.40
	Demolition	Tractors/Loaders/Backhoes	2	6	97	0.37	10		4,306.80	215.34
	Site Preparation	Graders	1	8	187	0.41	1		613.36	30.67
	Site Preparation	Tractors/Loaders/Backhoes	1	8	97	0.37	1		287.12	14.36
	Grading	Concrete/Industrial Saws	1	8	81	0.73	2		946.08	47.30
	Grading	Rubber Tired Dozers	1	1	247	0.4	2		197.60	9.88
	Grading	Tractors/Loaders/Backhoes	2	6	97	0.37	2		861.36	43.07
	Building Construction	Cement and Mortar Mixers	1	8	9	0.56	88		3,548.16	177.41
	Building Construction	Cranes	1	4	231	0.29	88		23,580.48	1,179.02
	Building Construction	Forklifts	2	6	89	0.2	88		18,796.80	939.84
	Building Construction	Tractors/Loaders/Backhoes	2	8	97	0.37	88		50,533.12	2,526.66
	Paving	Cement and Mortar Mixers	4	6	9	0.56	5		604.80	30.24
	Paving	Pavers	1	7	130	0.42	5		1,911.00	95.55
	Paving	Rollers	1	7	80	0.38	5		1,064.00	53.20
	Paving	Tractors/Loaders/Backhoes	1	7	97	0.37	5		1,256.15	62.81
	Architectural Coating	Air Compressors	1	6	78	0.48	5		1,123.20	56.16
Phase 3 Construction Equipment Fuel Consumption										5,767.42 gallons

Total Project Construction Equipment Fuel Consumption	35,204.72 gallons
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Notes:

Equipment assumptions are provided in the CalEEMod output files.

Fuel usage estimate of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

South Coast Air Quality Management District. 1993. Air Quality Handbook, Table A9-3E.

Website: <http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook>. Accessed April 18, 2019.

Construction Office Electricity Calculation

Energy Appendix: CalEEMod Typical Construction Trailer

Typical Construction Trailer - Los Angeles-South Coast County, Annual

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	9352.8	2.2534	1.2000e- 004	3.0000e- 005	2.2700
Total		2.2534	1.2000e- 004	3.0000e- 005	2.2700

kWh/yr = kilowatt hours per year

Energy by Land Use - Electricity

Annual 9,353 kWh/yr

Total Over Construction 13,914 kWh

Total Construction Schedule

Start 5/3/2021

End 10/28/2022

Total Calendar Days 543

Years 1.49

Operational Natural Gas Use

Source: AQ/GHG Appendix, CalEEMod Output

kBTU/yr = kilo-British Thermal Units/year
CF = cubic feet

Phase 1

La Canada High School Unmitigated Run - Los Angeles-South Coast County, Annual
Date: 2/27/2020 5:28 PM

Land Use	Natural Gas Use
General Office Building	52508 kBTU/yr
Other Non-Asphalt Surfaces	0 kBTU/yr
Recreational Swimming Pool	0 kBTU/yr

Phase 1 Total 52,508 kBTU/yr

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	52508	2.8000e-004	2.5700e-003	2.1600e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8020	2.8020	5.0000e-005	5.0000e-005	2.8187
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.8000e-004	2.5700e-003	2.1600e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8020	2.8020	5.0000e-005	5.0000e-005	2.8187

Phase 2

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Annual
Date: 3/3/2020 2:46 PM

Land Use	Natural Gas Use
Other Asphalt Surfaces	0 kBTU/yr
Other Non-Asphalt Surfaces	0 kBTU/yr
Parking Lot	0 kBTU/yr

Phase 2 Total 0 kBTU/yr

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Phase 3

La Canada Unmitigated Construction and Operations-Phase3 - Los Angeles-South Coast County, Annual
Date: 3/3/2020 11:43 AM

Land Use	Natural Gas Use
Other Asphalt Surfaces	0 kBTU/yr
Other Non-Asphalt Surfaces	0 kBTU/yr
Parking Lot	0 kBTU/yr

Phase 3 Total 0 kBTU/yr

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	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 Project Operational Natural Gas 52,508 kBTU/yr

Operational Electricity Use

Source: AQ/GHG Appendix, CalEEMod Output

kWh/yr = kilowatt hours per year

Phase 1

La Canada High School Unmitigated Run - Los Angeles-South Coast County, Annual

Date: 2/27/2020 5:28 PM

Land Use	Electricity Use
General Office Building	65521.6 kWh/yr
Other Non-Asphalt Surfaces	0 kWh/yr
Recreational Swimming Pool	0 kWh/yr

Phase 1 Total **65,522 kWh/yr**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	65521.6	15.8280	8.6000e-004	1.8000e-004	15.9027
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Total		15.8280	8.6000e-004	1.8000e-004	15.9027

Phase 2

La Canada High School Unmitigated Construction and Operations - Phase 2 - Los Angeles-South Coast County, Annual

Date: 3/3/2020 2:46 PM

Land Use	Electricity Use
Other Asphalt Surfaces	0 kWh/yr
Other Non-Asphalt Surfaces	0 kWh/yr
Parking Lot	4200 kWh/yr

Phase 2 Total **4,200 kWh/yr**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4200	1.0146	6.0000e-005	1.0000e-005	1.0194
Total		1.0146	6.0000e-005	1.0000e-005	1.0194

Phase 3

La Canada Unmitigated Construction and Operations-Phase3 - Los Angeles-South Coast County, Annual

Date: 3/3/2020 11:43 AM

Land Use	Electricity Use
Other Asphalt Surfaces	0 kWh/yr
Other Non-Asphalt Surfaces	0 kWh/yr
Parking Lot	4077.5 kWh/yr

Phase 3 Total **4,078 kWh/yr**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4077.5	0.9850	5.0000e-005	1.0000e-005	0.9897
Total		0.9850	5.0000e-005	1.0000e-005	0.9897

Total Project Operations Electricity **73,799 kWh/yr**

Typical Construction Trailer - Los Angeles-South Coast County, Annual

Typical Construction Trailer

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.72	1000sqft	0.02	720.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	532.57	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor adjusted consistent with Renewable Portfolio Standards.

Land Use - Upper range of typical single-wide mobile office trailer = 720 square feet.

Construction Phase - Typical construction trailer for energy use estimates - estimates would be included in the operational component of the results

Off-road Equipment - Zeroed out construction equipment

Off-road Equipment - Zeroed out construction equipment

Off-road Equipment - Zeroed out construction equipment

Off-road Equipment - Zeroed out construction equipment

Off-road Equipment - Zeroed out construction equipment

Off-road Equipment - Zeroed out construction equipment

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	1.00	0.00
tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	5.00	0.00

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	532.57

2.0 Emissions Summary

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	2.9400e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	4.0000e-005	3.7000e-004	3.1000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	2.6593	2.6593	1.3000e-004	3.0000e-005	2.6724
Mobile	2.1400e-003	0.0110	0.0292	9.0000e-005	7.3800e-003	1.0000e-004	7.4700e-003	1.9800e-003	9.0000e-005	2.0700e-003	0.0000	8.6943	8.6943	4.9000e-004	0.0000	8.7065
Waste						0.0000	0.0000		0.0000	0.0000	0.1360	0.0000	0.1360	8.0400e-003	0.0000	0.3369
Water						0.0000	0.0000		0.0000	0.0000	0.0406	0.6130	0.6536	4.2000e-003	1.1000e-004	0.7901
Total	5.1200e-003	0.0113	0.0295	9.0000e-005	7.3800e-003	1.3000e-004	7.5000e-003	1.9800e-003	1.2000e-004	2.1000e-003	0.1766	11.9667	12.1433	0.0129	1.4000e-004	12.5059

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	2.9400e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	4.0000e-005	3.7000e-004	3.1000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	2.6593	2.6593	1.3000e-004	3.0000e-005	2.6724
Mobile	2.1400e-003	0.0110	0.0292	9.0000e-005	7.3800e-003	1.0000e-004	7.4700e-003	1.9800e-003	9.0000e-005	2.0700e-003	0.0000	8.6943	8.6943	4.9000e-004	0.0000	8.7065
Waste						0.0000	0.0000		0.0000	0.0000	0.1360	0.0000	0.1360	8.0400e-003	0.0000	0.3369
Water						0.0000	0.0000		0.0000	0.0000	0.0406	0.6130	0.6536	4.2000e-003	1.1000e-004	0.7901
Total	5.1200e-003	0.0113	0.0295	9.0000e-005	7.3800e-003	1.3000e-004	7.5000e-003	1.9800e-003	1.2000e-004	2.1000e-003	0.1766	11.9667	12.1433	0.0129	1.4000e-004	12.5059

	ROG	NOx	CO	SO2	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

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	2.1400e-003	0.0110	0.0292	9.0000e-005	7.3800e-003	1.0000e-004	7.4700e-003	1.9800e-003	9.0000e-005	2.0700e-003	0.0000	8.6943	8.6943	4.9000e-004	0.0000	8.7065
Unmitigated	2.1400e-003	0.0110	0.0292	9.0000e-005	7.3800e-003	1.0000e-004	7.4700e-003	1.9800e-003	9.0000e-005	2.0700e-003	0.0000	8.6943	8.6943	4.9000e-004	0.0000	8.7065

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated		Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT		Annual VMT
General Office Building	7.94	1.77	0.76	19,437		19,437
Total	7.94	1.77	0.76	19,437		19,437

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	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	2.2594	2.2594	1.2000e-004	3.0000e-005	2.2700
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2.2594	2.2594	1.2000e-004	3.0000e-005	2.2700
NaturalGas Mitigated	4.0000e-005	3.7000e-004	3.1000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4000	0.4000	1.0000e-005	1.0000e-005	0.4024
NaturalGas Unmitigated	4.0000e-005	3.7000e-004	3.1000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4000	0.4000	1.0000e-005	1.0000e-005	0.4024

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					
General Office Building	7495.2	4.0000e-005	3.7000e-004	3.1000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4000	0.4000	1.0000e-005	1.0000e-005	0.4024
Total		4.0000e-005	3.7000e-004	3.1000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4000	0.4000	1.0000e-005	1.0000e-005	0.4024

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					
General Office Building	7495.2	4.0000e-005	3.7000e-004	3.1000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4000	0.4000	1.0000e-005	1.0000e-005	0.4024
Total		4.0000e-005	3.7000e-004	3.1000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4000	0.4000	1.0000e-005	1.0000e-005	0.4024

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	9352.8	2.2594	1.2000e-004	3.0000e-005	2.2700
Total		2.2594	1.2000e-004	3.0000e-005	2.2700

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	9352.8	2.2594	1.2000e-004	3.0000e-005	2.2700
Total		2.2594	1.2000e-004	3.0000e-005	2.2700

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	2.9400e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Unmitigated	2.9400e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

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	3.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	2.9300e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

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	3.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	2.9300e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.6536	4.2000e-003	1.1000e-004	0.7901
Unmitigated	0.6536	4.2000e-003	1.1000e-004	0.7901

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.127968 / 0.0784322	0.6536	4.2000e-003	1.1000e-004	0.7901
Total		0.6536	4.2000e-003	1.1000e-004	0.7901

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.127968 / 0.0784322	0.6536	4.2000e-003	1.1000e-004	0.7901
Total		0.6536	4.2000e-003	1.1000e-004	0.7901

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.1360	8.0400e-003	0.0000	0.3369
Unmitigated	0.1360	8.0400e-	0.0000	0.3369

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	0.67	0.1360	8.0400e-003	0.0000	0.3369
Total		0.1360	8.0400e-003	0.0000	0.3369

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office	0.67	0.1360	8.0400e-	0.0000	0.3369
Total		0.1360	8.0400e-	0.0000	0.3369

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