

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

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Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	90.98	1000sqft	0.43	90,982.00	0
Parking Lot	149.00	1000sqft	3.42	149,000.00	0
City Park	0.37	Acre	0.37	16,117.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - 72,478SF new building and 18,504SF modernization. 4.22acres per applicant information (entire site). Parking to include all hardscaping/parking, and park for turf fields.

Construction Phase - Construction timeline Q3-2021 through Q1-2025. Default timeline lengthened by 3x.

Trips and VMT -

Demolition - Demolition SF is 55,582.

Grading - Assumes entire site will be graded (worst-case). No anticipated import/export.

Architectural Coating -

Vehicle Trips - No anticipated increases in capacity or trips.

Construction Off-road Equipment Mitigation - Fugitive dust mitigation reflects LAUSD SCA AQ 4 requires water the site 3 times daily, stabilize soil, replace groundcover, 15mph limit, wash trucks exiting site, and the use of tier 3 or 4 engines.

Area Mitigation - Gas powered leafblowers are illegal in the City of Los Angeles within 500 feet of a residence. Nowhere on the project site is greater than 500 feet from a residence.

Water Mitigation -

Waste Mitigation -

Stationary Sources - Process Boilers -

Off-road Equipment - Minimal site preparation required, as site is currently developed. No significant tree or stone removal or vegetation clearing expected.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	40
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	18.00	54.00
tblConstructionPhase	NumDays	230.00	690.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	8.00	24.00
tblConstructionPhase	NumDays	18.00	54.00
tblConstructionPhase	NumDays	5.00	15.00
tblGrading	AcresOfGrading	12.00	4.22

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tblLandUse	LandUseSquareFeet	90,980.00	90,982.00
tblLandUse	LotAcreage	2.09	0.43
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	15.43	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	3.2646	32.6160	22.4344	0.0501	18.2675	1.5562	18.9133	9.9840	1.4457	10.5782	0.0000	4,937.7340	4,937.7340	1.0842	0.0000	4,955.7407
2022	2.2597	19.7809	21.3853	0.0495	1.4761	0.8258	2.3018	0.3976	0.7768	1.1744	0.0000	4,885.3836	4,885.3836	0.7104	0.0000	4,903.1429
2023	2.0689	17.5873	20.8508	0.0488	1.4761	0.7123	2.1884	0.3976	0.6701	1.0677	0.0000	4,806.7817	4,806.7817	0.6956	0.0000	4,824.1710
2024	16.6452	16.6121	20.4954	0.0484	1.4761	0.6257	2.1018	0.3976	0.5884	0.9860	0.0000	4,767.3444	4,767.3444	0.6888	0.0000	4,784.5647
Maximum	16.6452	32.6160	22.4344	0.0501	18.2675	1.5562	18.9133	9.9840	1.4457	10.5782	0.0000	4,937.7340	4,937.7340	1.0842	0.0000	4,955.7407

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0997	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0526	0.0526	1.4000e-004		0.0560
Energy	0.0280	0.2542	0.2135	1.5200e-003		0.0193	0.0193		0.0193	0.0193		304.9840	304.9840	5.8500e-003	5.5900e-003	306.7964
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	2.1277	0.2544	0.2380	1.5200e-003	0.0000	0.0194	0.0194	0.0000	0.0194	0.0194		305.0366	305.0366	5.9900e-003	5.5900e-003	306.8524

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	2.0995	2.1000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0504	0.0504	1.2000e-004		0.0535
Energy	0.0280	0.2542	0.2135	1.5200e-003		0.0193	0.0193		0.0193	0.0193		304.9840	304.9840	5.8500e-003	5.5900e-003	306.7964
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	2.1275	0.2544	0.2372	1.5200e-003	0.0000	0.0194	0.0194	0.0000	0.0194	0.0194		305.0344	305.0344	5.9700e-003	5.5900e-003	306.8498

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.01	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/1/2021	9/22/2021	5	60	
2	Site Preparation	Site Preparation	9/23/2021	10/13/2021	5	15	
3	Grading	Grading	10/14/2021	11/16/2021	5	24	
4	Building Construction	Building Construction	11/17/2021	7/9/2024	5	690	
5	Paving	Paving	7/10/2024	9/23/2024	5	54	
6	Architectural Coating	Architectural Coating	9/24/2024	12/6/2024	5	54	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4.22

Acres of Paving: 3.42

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 136,473; Non-Residential Outdoor: 45,491; Striped Parking Area: 8,940 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	253.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	108.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	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

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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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					0.9119	0.0000	0.9119	0.1381	0.0000	0.1381			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.9119	1.5513	2.4632	0.1381	1.4411	1.5792		3,747.9449	3,747.9449	1.0549		3,774.3174

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	0.0352	1.1311	0.2652	3.2900e-003	0.0737	3.4700e-003	0.0772	0.0202	3.3200e-003	0.0235		356.9182	356.9182	0.0242		357.5237
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0995	1.1753	0.8694	5.0000e-003	0.2414	4.8200e-003	0.2462	0.0647	4.5700e-003	0.0692		527.7337	527.7337	0.0293		528.4650

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3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3023	0.0000	0.3023	0.0458	0.0000	0.0458			0.0000			0.0000
Off-Road	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	0.9246	18.3130	24.6739	0.0388	0.3023	0.8627	1.1650	0.0458	0.8627	0.9085	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

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	0.0352	1.1311	0.2652	3.2900e-003	0.0514	3.4700e-003	0.0549	0.0147	3.3200e-003	0.0181		356.9182	356.9182	0.0242		357.5237
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1094	1.3500e-003	0.1107	0.0302	1.2500e-003	0.0314		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0995	1.1753	0.8694	5.0000e-003	0.1608	4.8200e-003	0.1656	0.0449	4.5700e-003	0.0495		527.7337	527.7337	0.0293		528.4650

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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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	1.2336	12.8671	6.2980	0.0116		0.6442	0.6442		0.5927	0.5927		1,128.2523	1,128.2523	0.3649		1,137.3748
Total	1.2336	12.8671	6.2980	0.0116	18.0663	0.6442	18.7105	9.9307	0.5927	10.5234		1,128.2523	1,128.2523	0.3649		1,137.3748

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	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
Total	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296

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3.3 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.9890	0.0000	5.9890	3.2920	0.0000	3.2920			0.0000			0.0000
Off-Road	0.2851	5.7771	6.8727	0.0116		0.2749	0.2749		0.2749	0.2749	0.0000	1,128.2523	1,128.2523	0.3649		1,137.3748
Total	0.2851	5.7771	6.8727	0.0116	5.9890	0.2749	6.2638	3.2920	0.2749	3.5669	0.0000	1,128.2523	1,128.2523	0.3649		1,137.3748

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	0.0772	0.0530	0.7250	2.0600e-003	0.1312	1.6300e-003	0.1329	0.0362	1.5000e-003	0.0377		204.9786	204.9786	6.0400e-003		205.1296
Total	0.0772	0.0530	0.7250	2.0600e-003	0.1312	1.6300e-003	0.1329	0.0362	1.5000e-003	0.0377		204.9786	204.9786	6.0400e-003		205.1296

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3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2086	0.0000	6.2086	3.3304	0.0000	3.3304			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.2086	1.1599	7.3685	3.3304	1.0671	4.3975		2,871.9285	2,871.9285	0.9288		2,895.1495

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	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413

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3.4 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0581	0.0000	2.0581	1.1040	0.0000	1.1040			0.0000			0.0000
Off-Road	0.7263	14.8397	18.9906	0.0296		0.7555	0.7555		0.7555	0.7555	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	0.7263	14.8397	18.9906	0.0296	2.0581	0.7555	2.8137	1.1040	0.7555	1.8596	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

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	0.0643	0.0442	0.6042	1.7100e-003	0.1094	1.3500e-003	0.1107	0.0302	1.2500e-003	0.0314		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0643	0.0442	0.6042	1.7100e-003	0.1094	1.3500e-003	0.1107	0.0302	1.2500e-003	0.0314		170.8155	170.8155	5.0300e-003		170.9413

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

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	0.1277	4.0778	1.0660	0.0108	0.2689	8.3400e-003	0.2772	0.0774	7.9700e-003	0.0854		1,154.4987	1,154.4987	0.0680		1,156.1990
Worker	0.4630	0.3182	4.3500	0.0124	1.2072	9.7500e-003	1.2169	0.3202	8.9900e-003	0.3291		1,229.8714	1,229.8714	0.0362		1,230.7774
Total	0.5906	4.3960	5.4160	0.0232	1.4761	0.0181	1.4942	0.3976	0.0170	0.4145		2,384.3701	2,384.3701	0.1043		2,386.9764

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

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	0.1277	4.0778	1.0660	0.0108	0.1923	8.3400e-003	0.2006	0.0586	7.9700e-003	0.0666		1,154.4987	1,154.4987	0.0680		1,156.1990
Worker	0.4630	0.3182	4.3500	0.0124	0.7874	9.7500e-003	0.7971	0.2171	8.9900e-003	0.2261		1,229.8714	1,229.8714	0.0362		1,230.7774
Total	0.5906	4.3960	5.4160	0.0232	0.9797	0.0181	0.9977	0.2757	0.0170	0.2927		2,384.3701	2,384.3701	0.1043		2,386.9764

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.1198	3.8779	1.0086	0.0107	0.2689	7.2900e-003	0.2762	0.0774	6.9700e-003	0.0844		1,144.4407	1,144.4407	0.0657		1,146.0826
Worker	0.4337	0.2874	4.0133	0.0119	1.2072	9.4500e-003	1.2166	0.3202	8.7000e-003	0.3289		1,186.6093	1,186.6093	0.0328		1,187.4281
Total	0.5535	4.1653	5.0219	0.0226	1.4761	0.0167	1.4928	0.3976	0.0157	0.4132		2,331.0500	2,331.0500	0.0984		2,333.5107

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.1198	3.8779	1.0086	0.0107	0.1923	7.2900e-003	0.1996	0.0586	6.9700e-003	0.0656		1,144.4407	1,144.4407	0.0657		1,146.0826
Worker	0.4337	0.2874	4.0133	0.0119	0.7874	9.4500e-003	0.7968	0.2171	8.7000e-003	0.2258		1,186.6093	1,186.6093	0.0328		1,187.4281
Total	0.5535	4.1653	5.0219	0.0226	0.9797	0.0167	0.9964	0.2757	0.0157	0.2914		2,331.0500	2,331.0500	0.0984		2,333.5107

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0889	2.9424	0.9109	0.0104	0.2689	3.4000e-003	0.2723	0.0774	3.2500e-003	0.0807		1,108.4112	1,108.4112	0.0582		1,109.8662
Worker	0.4072	0.2601	3.6959	0.0115	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,143.1606	1,143.1606	0.0295		1,143.8988
Total	0.4961	3.2024	4.6068	0.0218	1.4761	0.0126	1.4887	0.3976	0.0117	0.4093		2,251.5718	2,251.5718	0.0877		2,253.7649

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0889	2.9424	0.9109	0.0104	0.1923	3.4000e-003	0.1957	0.0586	3.2500e-003	0.0619		1,108.4112	1,108.4112	0.0582		1,109.8662
Worker	0.4072	0.2601	3.6959	0.0115	0.7874	9.1800e-003	0.7966	0.2171	8.4500e-003	0.2256		1,143.1606	1,143.1606	0.0295		1,143.8988
Total	0.4961	3.2024	4.6068	0.0218	0.9797	0.0126	0.9922	0.2757	0.0117	0.2874		2,251.5718	2,251.5718	0.0877		2,253.7649

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2024

Unmitigated Construction On-Site

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

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	0.0868	2.9312	0.8832	0.0103	0.2689	3.3600e-003	0.2723	0.0774	3.2100e-003	0.0806		1,103.9130	1,103.9130	0.0574		1,105.3473
Worker	0.3852	0.2372	3.4454	0.0111	1.2072	9.0500e-003	1.2162	0.3202	8.3300e-003	0.3285		1,107.7325	1,107.7325	0.0271		1,108.4098
Total	0.4720	3.1683	4.3286	0.0214	1.4761	0.0124	1.4885	0.3976	0.0115	0.4091		2,211.6455	2,211.6455	0.0845		2,213.7570

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2024

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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0868	2.9312	0.8832	0.0103	0.1923	3.3600e-003	0.1956	0.0586	3.2100e-003	0.0618		1,103.9130	1,103.9130	0.0574		1,105.3473
Worker	0.3852	0.2372	3.4454	0.0111	0.7874	9.0500e-003	0.7964	0.2171	8.3300e-003	0.2254		1,107.7325	1,107.7325	0.0271		1,108.4098
Total	0.4720	3.1683	4.3286	0.0214	0.9797	0.0124	0.9921	0.2757	0.0115	0.2873		2,211.6455	2,211.6455	0.0845		2,213.7570

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.1659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0473	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039

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	0.0713	0.0439	0.6380	2.0600e-003	0.2236	1.6800e-003	0.2252	0.0593	1.5400e-003	0.0608		205.1357	205.1357	5.0200e-003		205.2611
Total	0.0713	0.0439	0.6380	2.0600e-003	0.2236	1.6800e-003	0.2252	0.0593	1.5400e-003	0.0608		205.1357	205.1357	5.0200e-003		205.2611

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.6 Paving - 2024

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	0.4389	9.0888	13.5323	0.0189		0.5246	0.5246		0.5246	0.5246	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.1659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6048	9.0888	13.5323	0.0189		0.5246	0.5246		0.5246	0.5246	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

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	0.0713	0.0439	0.6380	2.0600e-003	0.1458	1.6800e-003	0.1475	0.0402	1.5400e-003	0.0418		205.1357	205.1357	5.0200e-003		205.2611
Total	0.0713	0.0439	0.6380	2.0600e-003	0.1458	1.6800e-003	0.1475	0.0402	1.5400e-003	0.0418		205.1357	205.1357	5.0200e-003		205.2611

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.3859					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	16.5667	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.0785	0.0483	0.7019	2.2600e-003	0.2459	1.8400e-003	0.2478	0.0652	1.7000e-003	0.0669		225.6492	225.6492	5.5200e-003		225.7872
Total	0.0785	0.0483	0.7019	2.2600e-003	0.2459	1.8400e-003	0.2478	0.0652	1.7000e-003	0.0669		225.6492	225.6492	5.5200e-003		225.7872

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2024

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	16.3859					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	16.4454	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.0785	0.0483	0.7019	2.2600e-003	0.1604	1.8400e-003	0.1622	0.0442	1.7000e-003	0.0459		225.6492	225.6492	5.5200e-003		225.7872
Total	0.0785	0.0483	0.7019	2.2600e-003	0.1604	1.8400e-003	0.1622	0.0442	1.7000e-003	0.0459		225.6492	225.6492	5.5200e-003		225.7872

4.0 Operational Detail - Mobile

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Elementary School	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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Elementary School	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

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	0.0280	0.2542	0.2135	1.5200e-003		0.0193	0.0193		0.0193	0.0193		304.9840	304.9840	5.8500e-003	5.5900e-003	306.7964
NaturalGas Unmitigated	0.0280	0.2542	0.2135	1.5200e-003		0.0193	0.0193		0.0193	0.0193		304.9840	304.9840	5.8500e-003	5.5900e-003	306.7964

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	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
Elementary School	2592.36	0.0280	0.2542	0.2135	1.5200e-003		0.0193	0.0193		0.0193	0.0193		304.9840	304.9840	5.8500e-003	5.5900e-003	306.7964
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		0.0280	0.2542	0.2135	1.5200e-003		0.0193	0.0193		0.0193	0.0193		304.9840	304.9840	5.8500e-003	5.5900e-003	306.7964

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					
City Park	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
Elementary School	2,592.36	0.0280	0.2542	0.2135	1.5200e-003		0.0193	0.0193		0.0193	0.0193		304.9840	304.9840	5.8500e-003	5.5900e-003	306.7964
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		0.0280	0.2542	0.2135	1.5200e-003		0.0193	0.0193		0.0193	0.0193		304.9840	304.9840	5.8500e-003	5.5900e-003	306.7964

6.0 Area Detail

McKinley Elementary Modernization - Los Angeles-South Coast County, Summer

6.1 Mitigation Measures Area

Use Electric Leafblower

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0995	2.1000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0504	0.0504	1.2000e-004			0.0535
Unmitigated	2.0997	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0526	0.0526	1.4000e-004			0.0560

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2500e-003	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0526	0.0526	1.4000e-004		0.0560
Total	2.0997	2.2000e-004	0.0245	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0526	0.0526	1.4000e-004		0.0560

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	0.2424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0200e-003	2.1000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0504	0.0504	1.2000e-004		0.0535
Total	2.0995	2.1000e-004	0.0237	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0504	0.0504	1.2000e-004		0.0535

7.0 Water Detail

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7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Boilers

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

Equipment Type	Number
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11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	90.98	1000sqft	0.43	90,982.00	0
Parking Lot	149.00	1000sqft	3.42	149,000.00	0
City Park	0.37	Acre	0.37	16,117.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - 72,478SF new building and 18,504SF modernization. 4.22acres per applicant information (entire site). Parking to include all hardscaping/parking, and park for turf fields.

Construction Phase - Construction timeline Q3-2021 through Q1-2025. Default timeline lengthened by 3x.

Trips and VMT -

Demolition - Demolition SF is 55,582.

Grading - Assumes entire site will be graded (worst-case). No anticipated import/export.

Architectural Coating -

Vehicle Trips - No anticipated increases in capacity or trips.

Construction Off-road Equipment Mitigation - Fugitive dust mitigation reflects LAUSD SCA AQ 4 requires water the site 3 times daily, stabilize soil, replace groundcover, 15mph limit, wash trucks exiting site, and the use of tier 3 or 4 engines.

Area Mitigation - Gas powered leafblowers are illegal in the City of Los Angeles within 500 feet of a residence. Nowhere on the project site is greater than 500 feet from a residence.

Water Mitigation -

Waste Mitigation -

Stationary Sources - Process Boilers -

Off-road Equipment - Minimal site preparation required, as site is currently developed. No significant tree or stone removal or vegetation clearing expected.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	40
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	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	18.00	54.00
tblConstructionPhase	NumDays	230.00	690.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	8.00	24.00
tblConstructionPhase	NumDays	18.00	54.00
tblConstructionPhase	NumDays	5.00	15.00
tblGrading	AcresOfGrading	12.00	4.22

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tblLandUse	LandUseSquareFeet	90,980.00	90,982.00
tblLandUse	LotAcreage	2.09	0.43
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	15.43	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	0.1772	1.7361	1.2810	2.6000e-003	0.2718	0.0816	0.3534	0.1279	0.0758	0.2037	0.0000	231.0764	231.0764	0.0530	0.0000	232.4010
2022	0.2944	2.5845	2.7547	6.3600e-003	0.1882	0.1074	0.2956	0.0508	0.1010	0.1518	0.0000	568.6112	568.6112	0.0838	0.0000	570.7068
2023	0.2695	2.2952	2.6856	6.2600e-003	0.1882	0.0926	0.2809	0.0508	0.0871	0.1379	0.0000	559.6360	559.6360	0.0821	0.0000	561.6873
2024	0.6131	1.4015	1.8042	3.9800e-003	0.1116	0.0554	0.1670	0.0301	0.0520	0.0821	0.0000	353.7573	353.7573	0.0574	0.0000	355.1909
Maximum	0.6131	2.5845	2.7547	6.3600e-003	0.2718	0.1074	0.3534	0.1279	0.1010	0.2037	0.0000	568.6112	568.6112	0.0838	0.0000	570.7068

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2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0639	1.1175	1.4376	2.6000e-003	0.1016	0.0524	0.1540	0.0457	0.0524	0.0981	0.0000	231.0762	231.0762	0.0530	0.0000	232.4008
2022	0.1602	2.4038	2.9510	6.3600e-003	0.1252	0.1197	0.2448	0.0353	0.1195	0.1548	0.0000	568.6108	568.6108	0.0838	0.0000	570.7065
2023	0.1527	2.2746	2.8975	6.2600e-003	0.1252	0.1191	0.2443	0.0353	0.1190	0.1543	0.0000	559.6357	559.6357	0.0821	0.0000	561.6869
2024	0.5433	1.4809	1.9571	3.9800e-003	0.0741	0.0796	0.1537	0.0209	0.0795	0.1004	0.0000	353.7570	353.7570	0.0574	0.0000	355.1907
Maximum	0.5433	2.4038	2.9510	6.3600e-003	0.1252	0.1197	0.2448	0.0457	0.1195	0.1548	0.0000	568.6108	568.6108	0.0838	0.0000	570.7065

	ROG	NOx	CO	SO2	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	32.07	9.24	-8.42	0.00	43.94	-10.03	27.36	47.13	-17.24	11.79	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2021	9-30-2021	1.1171	0.6331
2	10-1-2021	12-31-2021	0.7880	0.5403
3	1-1-2022	3-31-2022	0.7109	0.6330
4	4-1-2022	6-30-2022	0.7163	0.6376
5	7-1-2022	9-30-2022	0.7242	0.6446
6	10-1-2022	12-31-2022	0.7267	0.6471
7	1-1-2023	3-31-2023	0.6340	0.6000
8	4-1-2023	6-30-2023	0.6388	0.6045

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9	7-1-2023	9-30-2023	0.6458	0.6111
10	10-1-2023	12-31-2023	0.6481	0.6133
11	1-1-2024	3-31-2024	0.6051	0.6046
12	4-1-2024	6-30-2024	0.6031	0.6026
13	7-1-2024	9-30-2024	0.3605	0.3707
		Highest	1.1171	0.6471

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	0.3831	3.0000e-005	3.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.9600e-003	5.9600e-003	2.0000e-005	0.0000	6.3500e-003
Energy	5.1000e-003	0.0464	0.0390	2.8000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	379.5260	379.5260	8.7400e-003	2.5300e-003	380.4995
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	24.0138	0.0000	24.0138	1.4192	0.0000	59.4933
Water						0.0000	0.0000		0.0000	0.0000	0.8370	63.8372	64.6742	0.0875	2.3400e-003	67.5588
Total	0.3882	0.0464	0.0420	2.8000e-004	0.0000	3.5400e-003	3.5400e-003	0.0000	3.5400e-003	3.5400e-003	24.8508	443.3692	468.2200	1.5154	4.8700e-003	507.5579

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3830	3.0000e-005	2.9600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7200e-003	5.7200e-003	1.0000e-005	0.0000	6.0700e-003
Energy	5.1000e-003	0.0464	0.0390	2.8000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	379.5260	379.5260	8.7400e-003	2.5300e-003	380.4995
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	12.0069	0.0000	12.0069	0.7096	0.0000	29.7466
Water						0.0000	0.0000		0.0000	0.0000	0.6696	57.2838	57.9533	0.0701	1.9000e-003	60.2737
Total	0.3881	0.0464	0.0419	2.8000e-004	0.0000	3.5400e-003	3.5400e-003	0.0000	3.5400e-003	3.5400e-003	12.6765	436.8155	449.4920	0.7885	4.4300e-003	470.5259

	ROG	NOx	CO	SO2	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	0.01	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.99	1.48	4.00	47.97	9.03	7.30

3.0 Construction Detail

Construction Phase

McKinley Elementary Modernization - 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	7/1/2021	9/22/2021	5	60	
2	Site Preparation	Site Preparation	9/23/2021	10/13/2021	5	15	
3	Grading	Grading	10/14/2021	11/16/2021	5	24	
4	Building Construction	Building Construction	11/17/2021	7/9/2024	5	690	
5	Paving	Paving	7/10/2024	9/23/2024	5	54	
6	Architectural Coating	Architectural Coating	9/24/2024	12/6/2024	5	54	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4.22

Acres of Paving: 3.42

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 136,473; Non-Residential Outdoor: 45,491; Striped Parking Area: 8,940 (Architectural Coating – sqft)

OffRoad Equipment

McKinley Elementary Modernization - 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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

McKinley Elementary Modernization - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	253.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	108.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	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

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

McKinley Elementary Modernization - Los Angeles-South Coast County, Annual

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					0.0274	0.0000	0.0274	4.1400e-003	0.0000	4.1400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0950	0.9432	0.6470	1.1600e-003		0.0465	0.0465		0.0432	0.0432	0.0000	102.0024	102.0024	0.0287	0.0000	102.7201
Total	0.0950	0.9432	0.6470	1.1600e-003	0.0274	0.0465	0.0739	4.1400e-003	0.0432	0.0474	0.0000	102.0024	102.0024	0.0287	0.0000	102.7201

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	1.0700e-003	0.0350	8.1700e-003	1.0000e-004	2.1700e-003	1.0000e-004	2.2800e-003	6.0000e-004	1.0000e-004	7.0000e-004	0.0000	9.6431	9.6431	6.7000e-004	0.0000	9.6598
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9400e-003	1.5100e-003	0.0170	5.0000e-005	4.9300e-003	4.0000e-005	4.9700e-003	1.3100e-003	4.0000e-005	1.3500e-003	0.0000	4.4501	4.4501	1.3000e-004	0.0000	4.4534
Total	3.0100e-003	0.0365	0.0252	1.5000e-004	7.1000e-003	1.4000e-004	7.2500e-003	1.9100e-003	1.4000e-004	2.0500e-003	0.0000	14.0932	14.0932	8.0000e-004	0.0000	14.1132

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3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0700e-003	0.0000	9.0700e-003	1.3700e-003	0.0000	1.3700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0277	0.5494	0.7402	1.1600e-003		0.0259	0.0259		0.0259	0.0259	0.0000	102.0022	102.0022	0.0287	0.0000	102.7200
Total	0.0277	0.5494	0.7402	1.1600e-003	9.0700e-003	0.0259	0.0350	1.3700e-003	0.0259	0.0273	0.0000	102.0022	102.0022	0.0287	0.0000	102.7200

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	1.0700e-003	0.0350	8.1700e-003	1.0000e-004	1.5200e-003	1.0000e-004	1.6300e-003	4.4000e-004	1.0000e-004	5.4000e-004	0.0000	9.6431	9.6431	6.7000e-004	0.0000	9.6598
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9400e-003	1.5100e-003	0.0170	5.0000e-005	3.2200e-003	4.0000e-005	3.2600e-003	8.9000e-004	4.0000e-005	9.3000e-004	0.0000	4.4501	4.4501	1.3000e-004	0.0000	4.4534
Total	3.0100e-003	0.0365	0.0252	1.5000e-004	4.7400e-003	1.4000e-004	4.8900e-003	1.3300e-003	1.4000e-004	1.4700e-003	0.0000	14.0932	14.0932	8.0000e-004	0.0000	14.1132

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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					0.1355	0.0000	0.1355	0.0745	0.0000	0.0745	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2500e-003	0.0965	0.0472	9.0000e-005		4.8300e-003	4.8300e-003		4.4500e-003	4.4500e-003	0.0000	7.6765	7.6765	2.4800e-003	0.0000	7.7386
Total	9.2500e-003	0.0965	0.0472	9.0000e-005	0.1355	4.8300e-003	0.1403	0.0745	4.4500e-003	0.0789	0.0000	7.6765	7.6765	2.4800e-003	0.0000	7.7386

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	5.8000e-004	4.5000e-004	5.1100e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.3350	1.3350	4.0000e-005	0.0000	1.3360
Total	5.8000e-004	4.5000e-004	5.1100e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.3350	1.3350	4.0000e-005	0.0000	1.3360

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3.3 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0449	0.0000	0.0449	0.0247	0.0000	0.0247	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1400e-003	0.0433	0.0515	9.0000e-005		2.0600e-003	2.0600e-003		2.0600e-003	2.0600e-003	0.0000	7.6765	7.6765	2.4800e-003	0.0000	7.7386
Total	2.1400e-003	0.0433	0.0515	9.0000e-005	0.0449	2.0600e-003	0.0470	0.0247	2.0600e-003	0.0268	0.0000	7.6765	7.6765	2.4800e-003	0.0000	7.7386

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	5.8000e-004	4.5000e-004	5.1100e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.8000e-004	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	1.3350	1.3350	4.0000e-005	0.0000	1.3360
Total	5.8000e-004	4.5000e-004	5.1100e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.8000e-004	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	1.3350	1.3350	4.0000e-005	0.0000	1.3360

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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					0.0745	0.0000	0.0745	0.0400	0.0000	0.0400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0275	0.2968	0.1903	3.6000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	31.2644	31.2644	0.0101	0.0000	31.5172
Total	0.0275	0.2968	0.1903	3.6000e-004	0.0745	0.0139	0.0884	0.0400	0.0128	0.0528	0.0000	31.2644	31.2644	0.0101	0.0000	31.5172

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	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
Total	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.9700e-003	2.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814

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3.4 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0247	0.0000	0.0247	0.0133	0.0000	0.0133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7200e-003	0.1781	0.2279	3.6000e-004		9.0700e-003	9.0700e-003		9.0700e-003	9.0700e-003	0.0000	31.2644	31.2644	0.0101	0.0000	31.5172
Total	8.7200e-003	0.1781	0.2279	3.6000e-004	0.0247	9.0700e-003	0.0338	0.0133	9.0700e-003	0.0223	0.0000	31.2644	31.2644	0.0101	0.0000	31.5172

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	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.2900e-003	2.0000e-005	1.3000e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814
Total	7.7000e-004	6.0000e-004	6.8100e-003	2.0000e-005	1.2900e-003	2.0000e-005	1.3000e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.7801	1.7801	5.0000e-005	0.0000	1.7814

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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	0.0314	0.2876	0.2735	4.4000e-004		0.0158	0.0158		0.0149	0.0149	0.0000	38.2202	38.2202	9.2200e-003	0.0000	38.4507
Total	0.0314	0.2876	0.2735	4.4000e-004		0.0158	0.0158		0.0149	0.0149	0.0000	38.2202	38.2202	9.2200e-003	0.0000	38.4507

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	2.1500e-003	0.0684	0.0185	1.8000e-004	4.3700e-003	1.4000e-004	4.5000e-003	1.2600e-003	1.3000e-004	1.3900e-003	0.0000	17.0822	17.0822	1.0500e-003	0.0000	17.1084
Worker	7.6700e-003	5.9700e-003	0.0674	1.9000e-004	0.0195	1.6000e-004	0.0197	5.1900e-003	1.5000e-004	5.3300e-003	0.0000	17.6225	17.6225	5.2000e-004	0.0000	17.6355
Total	9.8200e-003	0.0744	0.0859	3.7000e-004	0.0239	3.0000e-004	0.0242	6.4500e-003	2.8000e-004	6.7200e-003	0.0000	34.7047	34.7047	1.5700e-003	0.0000	34.7439

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3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0111	0.2347	0.2949	4.4000e-004		0.0149	0.0149		0.0149	0.0149	0.0000	38.2201	38.2201	9.2200e-003	0.0000	38.4506
Total	0.0111	0.2347	0.2949	4.4000e-004		0.0149	0.0149		0.0149	0.0149	0.0000	38.2201	38.2201	9.2200e-003	0.0000	38.4506

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	2.1500e-003	0.0684	0.0185	1.8000e-004	3.1300e-003	1.4000e-004	3.2700e-003	9.6000e-004	1.3000e-004	1.0900e-003	0.0000	17.0822	17.0822	1.0500e-003	0.0000	17.1084
Worker	7.6700e-003	5.9700e-003	0.0674	1.9000e-004	0.0128	1.6000e-004	0.0129	3.5200e-003	1.5000e-004	3.6700e-003	0.0000	17.6225	17.6225	5.2000e-004	0.0000	17.6355
Total	9.8200e-003	0.0744	0.0859	3.7000e-004	0.0159	3.0000e-004	0.0162	4.4800e-003	2.8000e-004	4.7600e-003	0.0000	34.7047	34.7047	1.5700e-003	0.0000	34.7439

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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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471

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	0.0159	0.5119	0.1382	1.3700e-003	0.0344	9.6000e-004	0.0354	9.9300e-003	9.2000e-004	0.0109	0.0000	133.4050	133.4050	7.9700e-003	0.0000	133.6042
Worker	0.0567	0.0425	0.4892	1.4800e-003	0.1539	1.2300e-003	0.1551	0.0409	1.1300e-003	0.0420	0.0000	133.9633	133.9633	3.6900e-003	0.0000	134.0556
Total	0.0726	0.5544	0.6274	2.8500e-003	0.1882	2.1900e-003	0.1904	0.0508	2.0500e-003	0.0528	0.0000	267.3683	267.3683	0.0117	0.0000	267.6598

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3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467

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	0.0159	0.5119	0.1382	1.3700e-003	0.0247	9.6000e-004	0.0256	7.5400e-003	9.2000e-004	8.4600e-003	0.0000	133.4050	133.4050	7.9700e-003	0.0000	133.6042
Worker	0.0567	0.0425	0.4892	1.4800e-003	0.1005	1.2300e-003	0.1017	0.0278	1.1300e-003	0.0289	0.0000	133.9633	133.9633	3.6900e-003	0.0000	134.0556
Total	0.0726	0.5544	0.6274	2.8500e-003	0.1252	2.1900e-003	0.1274	0.0353	2.0500e-003	0.0374	0.0000	267.3683	267.3683	0.0117	0.0000	267.6598

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3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

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	0.0118	0.3868	0.1240	1.3300e-003	0.0344	4.5000e-004	0.0349	9.9300e-003	4.3000e-004	0.0104	0.0000	129.2286	129.2286	7.0400e-003	0.0000	129.4047
Worker	0.0533	0.0384	0.4499	1.4300e-003	0.1539	1.1900e-003	0.1550	0.0409	1.1000e-003	0.0420	0.0000	129.0612	129.0612	3.3200e-003	0.0000	129.1443
Total	0.0651	0.4252	0.5739	2.7600e-003	0.1882	1.6400e-003	0.1899	0.0508	1.5300e-003	0.0523	0.0000	258.2898	258.2898	0.0104	0.0000	258.5489

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3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

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	0.0118	0.3868	0.1240	1.3300e-003	0.0247	4.5000e-004	0.0251	7.5400e-003	4.3000e-004	7.9700e-003	0.0000	129.2286	129.2286	7.0400e-003	0.0000	129.4047
Worker	0.0533	0.0384	0.4499	1.4300e-003	0.1005	1.1900e-003	0.1017	0.0278	1.1000e-003	0.0289	0.0000	129.0612	129.0612	3.3200e-003	0.0000	129.1443
Total	0.0651	0.4252	0.5739	2.7600e-003	0.1252	1.6400e-003	0.1268	0.0353	1.5300e-003	0.0368	0.0000	258.2898	258.2898	0.0104	0.0000	258.5489

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3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1008	0.9209	1.1074	1.8500e-003		0.0420	0.0420		0.0395	0.0395	0.0000	158.8166	158.8166	0.0376	0.0000	159.7555
Total	0.1008	0.9209	1.1074	1.8500e-003		0.0420	0.0420		0.0395	0.0395	0.0000	158.8166	158.8166	0.0376	0.0000	159.7555

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0700e-003	0.2030	0.0633	7.0000e-004	0.0181	2.3000e-004	0.0184	5.2300e-003	2.2000e-004	5.4500e-003	0.0000	67.8223	67.8223	3.6600e-003	0.0000	67.9137
Worker	0.0266	0.0185	0.2207	7.3000e-004	0.0811	6.2000e-004	0.0817	0.0215	5.7000e-004	0.0221	0.0000	65.8968	65.8968	1.6000e-003	0.0000	65.9369
Total	0.0327	0.2215	0.2841	1.4300e-003	0.0992	8.5000e-004	0.1001	0.0268	7.9000e-004	0.0276	0.0000	133.7190	133.7190	5.2600e-003	0.0000	133.8505

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3.5 Building Construction - 2024

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	0.0462	0.9745	1.2244	1.8500e-003		0.0619	0.0619		0.0619	0.0619	0.0000	158.8165	158.8165	0.0376	0.0000	159.7553
Total	0.0462	0.9745	1.2244	1.8500e-003		0.0619	0.0619		0.0619	0.0619	0.0000	158.8165	158.8165	0.0376	0.0000	159.7553

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0700e-003	0.2030	0.0633	7.0000e-004	0.0130	2.3000e-004	0.0132	3.9700e-003	2.2000e-004	4.2000e-003	0.0000	67.8223	67.8223	3.6600e-003	0.0000	67.9137
Worker	0.0266	0.0185	0.2207	7.3000e-004	0.0530	6.2000e-004	0.0536	0.0146	5.7000e-004	0.0152	0.0000	65.8968	65.8968	1.6000e-003	0.0000	65.9369
Total	0.0327	0.2215	0.2841	1.4300e-003	0.0660	8.5000e-004	0.0668	0.0186	7.9000e-004	0.0194	0.0000	133.7190	133.7190	5.2600e-003	0.0000	133.8505

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3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0238	0.2234	0.3300	5.1000e-004		0.0108	0.0108		9.9500e-003	9.9500e-003	0.0000	44.2269	44.2269	0.0139	0.0000	44.5743
Paving	4.4800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0283	0.2234	0.3300	5.1000e-004		0.0108	0.0108		9.9500e-003	9.9500e-003	0.0000	44.2269	44.2269	0.0139	0.0000	44.5743

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	1.9400e-003	1.3500e-003	0.0161	5.0000e-005	5.9200e-003	5.0000e-005	5.9600e-003	1.5700e-003	4.0000e-005	1.6100e-003	0.0000	4.8100	4.8100	1.2000e-004	0.0000	4.8129
Total	1.9400e-003	1.3500e-003	0.0161	5.0000e-005	5.9200e-003	5.0000e-005	5.9600e-003	1.5700e-003	4.0000e-005	1.6100e-003	0.0000	4.8100	4.8100	1.2000e-004	0.0000	4.8129

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3.6 Paving - 2024

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	0.0119	0.2454	0.3654	5.1000e-004		0.0142	0.0142		0.0142	0.0142	0.0000	44.2268	44.2268	0.0139	0.0000	44.5742
Paving	4.4800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0163	0.2454	0.3654	5.1000e-004		0.0142	0.0142		0.0142	0.0142	0.0000	44.2268	44.2268	0.0139	0.0000	44.5742

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	1.9400e-003	1.3500e-003	0.0161	5.0000e-005	3.8700e-003	5.0000e-005	3.9100e-003	1.0700e-003	4.0000e-005	1.1100e-003	0.0000	4.8100	4.8100	1.2000e-004	0.0000	4.8129
Total	1.9400e-003	1.3500e-003	0.0161	5.0000e-005	3.8700e-003	5.0000e-005	3.9100e-003	1.0700e-003	4.0000e-005	1.1100e-003	0.0000	4.8100	4.8100	1.2000e-004	0.0000	4.8129

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3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4424					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8800e-003	0.0329	0.0489	8.0000e-005		1.6400e-003	1.6400e-003		1.6400e-003	1.6400e-003	0.0000	6.8938	6.8938	3.9000e-004	0.0000	6.9035
Total	0.4473	0.0329	0.0489	8.0000e-005		1.6400e-003	1.6400e-003		1.6400e-003	1.6400e-003	0.0000	6.8938	6.8938	3.9000e-004	0.0000	6.9035

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	2.1300e-003	1.4800e-003	0.0177	6.0000e-005	6.5100e-003	5.0000e-005	6.5600e-003	1.7300e-003	5.0000e-005	1.7700e-003	0.0000	5.2910	5.2910	1.3000e-004	0.0000	5.2942
Total	2.1300e-003	1.4800e-003	0.0177	6.0000e-005	6.5100e-003	5.0000e-005	6.5600e-003	1.7300e-003	5.0000e-005	1.7700e-003	0.0000	5.2910	5.2910	1.3000e-004	0.0000	5.2942

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3.7 Architectural Coating - 2024

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	0.4424					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6000e-003	0.0366	0.0495	8.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	6.8938	6.8938	3.9000e-004	0.0000	6.9035
Total	0.4440	0.0366	0.0495	8.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	6.8938	6.8938	3.9000e-004	0.0000	6.9035

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	2.1300e-003	1.4800e-003	0.0177	6.0000e-005	4.2500e-003	5.0000e-005	4.3000e-003	1.1700e-003	5.0000e-005	1.2200e-003	0.0000	5.2910	5.2910	1.3000e-004	0.0000	5.2942
Total	2.1300e-003	1.4800e-003	0.0177	6.0000e-005	4.2500e-003	5.0000e-005	4.3000e-003	1.1700e-003	5.0000e-005	1.2200e-003	0.0000	5.2910	5.2910	1.3000e-004	0.0000	5.2942

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	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
City Park	0.00	0.00	0.00		
Elementary School	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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Elementary School	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

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	329.0325	329.0325	7.7700e-003	1.6100e-003	329.7059
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	329.0325	329.0325	7.7700e-003	1.6100e-003	329.7059
NaturalGas Mitigated	5.1000e-003	0.0464	0.0390	2.8000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	50.4935	50.4935	9.7000e-004	9.3000e-004	50.7936
NaturalGas Unmitigated	5.1000e-003	0.0464	0.0390	2.8000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	50.4935	50.4935	9.7000e-004	9.3000e-004	50.7936

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5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	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
Elementary School	946213	5.1000e-003	0.0464	0.0390	2.8000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	50.4935	50.4935	9.7000e-004	9.3000e-004	50.7936
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		5.1000e-003	0.0464	0.0390	2.8000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	50.4935	50.4935	9.7000e-004	9.3000e-004	50.7936

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	tons/yr										MT/yr					
City Park	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
Elementary School	946213	5.1000e-003	0.0464	0.0390	2.8000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	50.4935	50.4935	9.7000e-004	9.3000e-004	50.7936
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		5.1000e-003	0.0464	0.0390	2.8000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	50.4935	50.4935	9.7000e-004	9.3000e-004	50.7936

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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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	538613	299.9870	7.0900e-003	1.4700e-003	300.6009
Parking Lot	52150	29.0455	6.9000e-004	1.4000e-004	29.1050
Total		329.0325	7.7800e-003	1.6100e-003	329.7059

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	538613	299.9870	7.0900e-003	1.4700e-003	300.6009
Parking Lot	52150	29.0455	6.9000e-004	1.4000e-004	29.1050
Total		329.0325	7.7800e-003	1.6100e-003	329.7059

6.0 Area Detail

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6.1 Mitigation Measures Area

Use Electric Leafblower

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3830	3.0000e-005	2.9600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7200e-003	5.7200e-003	1.0000e-005	0.0000	6.0700e-003
Unmitigated	0.3831	3.0000e-005	3.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.9600e-003	5.9600e-003	2.0000e-005	0.0000	6.3500e-003

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0442					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3386					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.8000e-004	3.0000e-005	3.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.9600e-003	5.9600e-003	2.0000e-005	0.0000	6.3500e-003
Total	0.3831	3.0000e-005	3.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.9600e-003	5.9600e-003	2.0000e-005	0.0000	6.3500e-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	tons/yr										MT/yr					
Architectural Coating	0.0442					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3386					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5000e-004	3.0000e-005	2.9600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7200e-003	5.7200e-003	1.0000e-005	0.0000	6.0700e-003
Total	0.3830	3.0000e-005	2.9600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7200e-003	5.7200e-003	1.0000e-005	0.0000	6.0700e-003

7.0 Water Detail

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7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	57.9533	0.0701	1.9000e-003	60.2737
Unmitigated	64.6742	0.0875	2.3400e-003	67.5588

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7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.440848	2.7279	6.0000e-005	1.0000e-005	2.7335
Elementary School	2.63814 / 6.78379	61.9463	0.0874	2.3300e-003	64.8253
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		64.6742	0.0875	2.3400e-003	67.5588

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.413956	2.5615	6.0000e-005	1.0000e-005	2.5667
Elementary School	2.11051 / 6.36998	55.3918	0.0701	1.8900e-003	57.7070
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		57.9533	0.0701	1.9000e-003	60.2737

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8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	12.0069	0.7096	0.0000	29.7466
Unmitigated	24.0138	1.4192	0.0000	59.4933

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.03	6.0900e-003	3.6000e-004	0.0000	0.0151
Elementary School	118.27	24.0077	1.4188	0.0000	59.4782
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		24.0138	1.4192	0.0000	59.4933

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.015	3.0400e-003	1.8000e-004	0.0000	7.5400e-003
Elementary School	59.135	12.0039	0.7094	0.0000	29.7391
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		12.0069	0.7096	0.0000	29.7466

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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
