
APPENDIX B

**CRITERIA POLLUTANT AND GREENHOUSE GAS
EMISSIONS MODELING**

APPENDIX B.1
DAILY EMISSIONS OF CRITERIA POLLUTANTS

APPENDIX B.1.1
SUMMER CONDITIONS

6090_LAUSD Stem - South Coast AQMD Air District, Summer

6090_LAUSD Stem
South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	86.53	1000sqft	1.99	86,528.00	0
Parking Lot	6.14	1000sqft	0.14	6,141.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

6090_LAUSD Stem - South Coast AQMD Air District, Summer

Project Characteristics -

Land Use -

Construction Phase - Construction assumed to be from January 2020 to January 2022

Off-road Equipment - Per construction contractor, one forklift throughout construction

Off-road Equipment - Per construction contractor, one forklift throughout construction

Off-road Equipment - Construction contractor estimates 2 to 3 cranes will be needed

Off-road Equipment - One forklift in all phases, per construction contractor

Off-road Equipment - One forklift in all phases, per construction contractor

Trips and VMT - Vendor trips estimated from previous project

Demolition -

Grading - Per project architect, about 80,000 sq ft to be graded

Construction Off-road Equipment Mitigation -

Area Mitigation -

6090_LAUSD Stem - South Coast AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	62.00
tblConstructionPhase	NumDays	220.00	385.00
tblConstructionPhase	NumDays	6.00	24.00
tblConstructionPhase	NumDays	10.00	26.00
tblGrading	AcresOfGrading	12.00	1.84
tblLandUse	LandUseSquareFeet	86,530.00	86,528.00
tblLandUse	LandUseSquareFeet	6,140.00	6,141.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Architectural Coating
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblTripsAndVMT	VendorTripNumber	15.00	27.00

2.0 Emissions Summary

6090_LAUSD Stem - South Coast AQMD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.9365	9.0000e-005	9.4800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0203	0.0203	5.0000e-005		0.0216
Energy	0.0303	0.2752	0.2312	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.2148	330.2148	6.3300e-003	6.0500e-003	332.1771
Mobile	2.1469	11.3092	31.5044	0.1219	10.1289	0.0920	10.2210	2.7101	0.0859	2.7960		12,405.8892	12,405.8892	0.5564		12,419.7978
Total	4.1137	11.5845	31.7450	0.1235	10.1289	0.1130	10.2419	2.7101	0.1068	2.8169		12,736.1243	12,736.1243	0.5627	6.0500e-003	12,751.9966

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	1.9365	9.0000e-005	9.4800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0203	0.0203	5.0000e-005		0.0216
Energy	0.0303	0.2752	0.2312	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.2148	330.2148	6.3300e-003	6.0500e-003	332.1771
Mobile	2.1469	11.3092	31.5044	0.1219	10.1289	0.0920	10.2210	2.7101	0.0859	2.7960		12,405.8892	12,405.8892	0.5564		12,419.7978
Total	4.1137	11.5845	31.7450	0.1235	10.1289	0.1130	10.2419	2.7101	0.1068	2.8169		12,736.1243	12,736.1243	0.5627	6.0500e-003	12,751.9966

6090_LAUSD Stem - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	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	1/2/2020	1/29/2020	5	20	
2	Grading	Grading	1/30/2020	3/3/2020	5	24	
3	Building Construction	Building Construction	3/4/2020	8/24/2021	5	385	
4	Paving	Paving	8/25/2021	9/29/2021	5	26	
5	Architectural Coating	Architectural Coating	9/30/2021	12/24/2021	5	62	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.84

Acres of Paving: 0.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 129,792; Non-Residential Outdoor: 43,264; Striped Parking Area: 368 (Architectural Coating – sqft)

OffRoad Equipment

6090_LAUSD Stem - South Coast AQMD Air District, Summer

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

Trips and VMT

6090_LAUSD Stem - South Coast AQMD Air District, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	80.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	39.00	27.00	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	2	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8660	0.0000	0.8660	0.1311	0.0000	0.1311			0.0000			0.0000
Off-Road	1.7808	17.3450	10.5607	0.0185		0.9375	0.9375		0.8784	0.8784		1,775.1105	1,775.1105	0.4200		1,785.6098
Total	1.7808	17.3450	10.5607	0.0185	0.8660	0.9375	1.8035	0.1311	0.8784	1.0095		1,775.1105	1,775.1105	0.4200		1,785.6098

6090_LAUSD Stem - South Coast AQMD Air District, Summer

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0304	1.0886	0.2166	3.1000e-003	0.0699	3.5100e-003	0.0734	0.0192	3.3600e-003	0.0225		335.3317	335.3317	0.0225		335.8942
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0452	0.0304	0.4088	1.1500e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		114.4418	114.4418	3.2900e-003		114.5240
Total	0.0756	1.1190	0.6254	4.2500e-003	0.1817	4.3600e-003	0.1860	0.0488	4.1400e-003	0.0529		449.7734	449.7734	0.0258		450.4182

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					0.3377	0.0000	0.3377	0.0511	0.0000	0.0511			0.0000			0.0000
Off-Road	1.7808	17.3450	10.5607	0.0185		0.9375	0.9375		0.8784	0.8784	0.0000	1,775.1105	1,775.1105	0.4200		1,785.6098
Total	1.7808	17.3450	10.5607	0.0185	0.3377	0.9375	1.2753	0.0511	0.8784	0.9295	0.0000	1,775.1105	1,775.1105	0.4200		1,785.6098

6090_LAUSD Stem - South Coast AQMD Air District, Summer

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0304	1.0886	0.2166	3.1000e-003	0.0699	3.5100e-003	0.0734	0.0192	3.3600e-003	0.0225		335.3317	335.3317	0.0225		335.8942
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0452	0.0304	0.4088	1.1500e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		114.4418	114.4418	3.2900e-003		114.5240
Total	0.0756	1.1190	0.6254	4.2500e-003	0.1817	4.3600e-003	0.1860	0.0488	4.1400e-003	0.0529		449.7734	449.7734	0.0258		450.4182

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1034	0.0000	6.1034	3.3190	0.0000	3.3190			0.0000			0.0000
Off-Road	2.0660	22.6393	11.1158	0.0221		1.0868	1.0868		0.9999	0.9999		2,144.4369	2,144.4369	0.6936		2,161.7758
Total	2.0660	22.6393	11.1158	0.0221	6.1034	1.0868	7.1902	3.3190	0.9999	4.3189		2,144.4369	2,144.4369	0.6936		2,161.7758

6090_LAUSD Stem - South Coast AQMD Air District, Summer

3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0588	0.0395	0.5315	1.4900e-003	0.1453	1.1000e-003	0.1464	0.0385	1.0200e-003	0.0396		148.7743	148.7743	4.2800e-003		148.8812
Total	0.0588	0.0395	0.5315	1.4900e-003	0.1453	1.1000e-003	0.1464	0.0385	1.0200e-003	0.0396		148.7743	148.7743	4.2800e-003		148.8812

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					2.3803	0.0000	2.3803	1.2944	0.0000	1.2944			0.0000			0.0000
Off-Road	2.0660	22.6393	11.1158	0.0221		1.0868	1.0868		0.9999	0.9999	0.0000	2,144.4369	2,144.4369	0.6936		2,161.7758
Total	2.0660	22.6393	11.1158	0.0221	2.3803	1.0868	3.4671	1.2944	0.9999	2.2943	0.0000	2,144.4369	2,144.4369	0.6936		2,161.7758

6090_LAUSD Stem - South Coast AQMD Air District, Summer

3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0588	0.0395	0.5315	1.4900e-003	0.1453	1.1000e-003	0.1464	0.0385	1.0200e-003	0.0396		148.7743	148.7743	4.2800e-003		148.8812
Total	0.0588	0.0395	0.5315	1.4900e-003	0.1453	1.1000e-003	0.1464	0.0385	1.0200e-003	0.0396		148.7743	148.7743	4.2800e-003		148.8812

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1160	30.5213	21.6694	0.0403		1.5569	1.5569		1.4639	1.4639		3,838.6656	3,838.6656	0.9694		3,862.9009
Total	3.1160	30.5213	21.6694	0.0403		1.5569	1.5569		1.4639	1.4639		3,838.6656	3,838.6656	0.9694		3,862.9009

6090_LAUSD Stem - South Coast AQMD Air District, Summer

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0887	2.8333	0.6747	6.9500e-003	0.1728	0.0140	0.1868	0.0498	0.0134	0.0632		741.0108	741.0108	0.0465		742.1739
Worker	0.1765	0.1186	1.5944	4.4800e-003	0.4359	3.3100e-003	0.4392	0.1156	3.0500e-003	0.1187		446.3228	446.3228	0.0128		446.6436
Total	0.2651	2.9519	2.2691	0.0114	0.6087	0.0174	0.6261	0.1654	0.0165	0.1818		1,187.3336	1,187.3336	0.0594		1,188.8175

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	3.1160	30.5213	21.6694	0.0403		1.5569	1.5569		1.4639	1.4639	0.0000	3,838.6656	3,838.6656	0.9694		3,862.9009
Total	3.1160	30.5213	21.6694	0.0403		1.5569	1.5569		1.4639	1.4639	0.0000	3,838.6656	3,838.6656	0.9694		3,862.9009

6090_LAUSD Stem - South Coast AQMD Air District, Summer

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0887	2.8333	0.6747	6.9500e-003	0.1728	0.0140	0.1868	0.0498	0.0134	0.0632		741.0108	741.0108	0.0465		742.1739
Worker	0.1765	0.1186	1.5944	4.4800e-003	0.4359	3.3100e-003	0.4392	0.1156	3.0500e-003	0.1187		446.3228	446.3228	0.0128		446.6436
Total	0.2651	2.9519	2.2691	0.0114	0.6087	0.0174	0.6261	0.1654	0.0165	0.1818		1,187.3336	1,187.3336	0.0594		1,188.8175

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8088	27.6165	21.1182	0.0403		1.3456	1.3456		1.2648	1.2648		3,838.9077	3,838.9077	0.9601		3,862.9095
Total	2.8088	27.6165	21.1182	0.0403		1.3456	1.3456		1.2648	1.2648		3,838.9077	3,838.9077	0.9601		3,862.9095

6090_LAUSD Stem - South Coast AQMD Air District, Summer

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0751	2.5751	0.6111	6.8900e-003	0.1728	5.1900e-003	0.1780	0.0498	4.9600e-003	0.0547		735.5839	735.5839	0.0445		736.6963
Worker	0.1646	0.1068	1.4692	4.3300e-003	0.4359	3.2100e-003	0.4391	0.1156	2.9600e-003	0.1186		431.8873	431.8873	0.0116		432.1776
Total	0.2398	2.6819	2.0803	0.0112	0.6087	8.4000e-003	0.6171	0.1654	7.9200e-003	0.1733		1,167.4712	1,167.4712	0.0561		1,168.8739

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8088	27.6165	21.1182	0.0403		1.3456	1.3456		1.2648	1.2648	0.0000	3,838.9077	3,838.9077	0.9601		3,862.9095
Total	2.8088	27.6165	21.1182	0.0403		1.3456	1.3456		1.2648	1.2648	0.0000	3,838.9077	3,838.9077	0.9601		3,862.9095

6090_LAUSD Stem - South Coast AQMD Air District, Summer

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0751	2.5751	0.6111	6.8900e-003	0.1728	5.1900e-003	0.1780	0.0498	4.9600e-003	0.0547		735.5839	735.5839	0.0445		736.6963
Worker	0.1646	0.1068	1.4692	4.3300e-003	0.4359	3.2100e-003	0.4391	0.1156	2.9600e-003	0.1186		431.8873	431.8873	0.0116		432.1776
Total	0.2398	2.6819	2.0803	0.0112	0.6087	8.4000e-003	0.6171	0.1654	7.9200e-003	0.1733		1,167.4712	1,167.4712	0.0561		1,168.8739

3.5 Paving - 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	1.1926	11.8269	12.9435	0.0194		0.6663	0.6663		0.6141	0.6141		1,857.1415	1,857.1415	0.5895		1,871.8801
Paving	0.0141					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2067	11.8269	12.9435	0.0194		0.6663	0.6663		0.6141	0.6141		1,857.1415	1,857.1415	0.5895		1,871.8801

6090_LAUSD Stem - South Coast AQMD Air District, Summer

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0760	0.0493	0.6781	2.0000e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		199.3326	199.3326	5.3600e-003		199.4666
Total	0.0760	0.0493	0.6781	2.0000e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		199.3326	199.3326	5.3600e-003		199.4666

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	1.1926	11.8269	12.9435	0.0194		0.6663	0.6663		0.6141	0.6141	0.0000	1,857.1415	1,857.1415	0.5895		1,871.8801
Paving	0.0141					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2067	11.8269	12.9435	0.0194		0.6663	0.6663		0.6141	0.6141	0.0000	1,857.1415	1,857.1415	0.5895		1,871.8801

6090_LAUSD Stem - South Coast AQMD Air District, Summer

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0760	0.0493	0.6781	2.0000e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		199.3326	199.3326	5.3600e-003		199.4666
Total	0.0760	0.0493	0.6781	2.0000e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		199.3326	199.3326	5.3600e-003		199.4666

3.6 Architectural Coating - 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					
Archit. Coating	12.9648					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3482	2.7060	2.9854	4.5000e-003		0.1778	0.1778		0.1711	0.1711		429.4789	429.4789	0.0672		431.1587
Total	13.3131	2.7060	2.9854	4.5000e-003		0.1778	0.1778		0.1711	0.1711		429.4789	429.4789	0.0672		431.1587

6090_LAUSD Stem - South Coast AQMD Air District, Summer

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0219	0.3014	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5923	88.5923	2.3800e-003		88.6518
Total	0.0338	0.0219	0.3014	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5923	88.5923	2.3800e-003		88.6518

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	12.9648					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3482	2.7060	2.9854	4.5000e-003		0.1778	0.1778		0.1711	0.1711	0.0000	429.4789	429.4789	0.0672		431.1587
Total	13.3131	2.7060	2.9854	4.5000e-003		0.1778	0.1778		0.1711	0.1711	0.0000	429.4789	429.4789	0.0672		431.1587

6090_LAUSD Stem - South Coast AQMD Air District, Summer

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0219	0.3014	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5923	88.5923	2.3800e-003		88.6518
Total	0.0338	0.0219	0.3014	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5923	88.5923	2.3800e-003		88.6518

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

6090_LAUSD Stem - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.1469	11.3092	31.5044	0.1219	10.1289	0.0920	10.2210	2.7101	0.0859	2.7960		12,405.889 2	12,405.889 2	0.5564		12,419.797 8
Unmitigated	2.1469	11.3092	31.5044	0.1219	10.1289	0.0920	10.2210	2.7101	0.0859	2.7960		12,405.889 2	12,405.889 2	0.5564		12,419.797 8

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	1,115.37	378.14	154.89	3,727,712	3,727,712
Parking Lot	0.00	0.00	0.00		
Total	1,115.37	378.14	154.89	3,727,712	3,727,712

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

6090_LAUSD Stem - South Coast AQMD Air District, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896
Parking Lot	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896

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	0.0303	0.2752	0.2312	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.2148	330.2148	6.3300e-003	6.0500e-003	332.1771
NaturalGas Unmitigated	0.0303	0.2752	0.2312	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.2148	330.2148	6.3300e-003	6.0500e-003	332.1771

6090_LAUSD Stem - South Coast AQMD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	2806.83	0.0303	0.2752	0.2312	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.2148	330.2148	6.3300e-003	6.0500e-003	332.1771
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		0.0303	0.2752	0.2312	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.2148	330.2148	6.3300e-003	6.0500e-003	332.1771

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	2.80683	0.0303	0.2752	0.2312	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.2148	330.2148	6.3300e-003	6.0500e-003	332.1771
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		0.0303	0.2752	0.2312	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.2148	330.2148	6.3300e-003	6.0500e-003	332.1771

6.0 Area Detail

6.1 Mitigation Measures Area

6090_LAUSD Stem - South Coast AQMD Air District, Summer

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9365	9.0000e-005	9.4800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0203	0.0203	5.0000e-005		0.0216
Unmitigated	1.9365	9.0000e-005	9.4800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0203	0.0203	5.0000e-005		0.0216

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	0.2202					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.8000e-004	9.0000e-005	9.4800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0203	0.0203	5.0000e-005		0.0216
Total	1.9365	9.0000e-005	9.4800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0203	0.0203	5.0000e-005		0.0216

6090_LAUSD Stem - South Coast AQMD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2202					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.8000e-004	9.0000e-005	9.4800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0203	0.0203	5.0000e-005		0.0216
Total	1.9365	9.0000e-005	9.4800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0203	0.0203	5.0000e-005		0.0216

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

6090_LAUSD Stem - South Coast AQMD Air District, Summer

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

APPENDIX B.1.2
WINTER CONDITIONS

6090_LAUSD Stem - South Coast AQMD Air District, Winter

6090_LAUSD Stem
South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	86.53	1000sqft	1.99	86,528.00	0
Parking Lot	6.14	1000sqft	0.14	6,141.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

6090_LAUSD Stem - South Coast AQMD Air District, Winter

Project Characteristics -

Land Use -

Construction Phase - Construction assumed to be from January 2020 to January 2022

Off-road Equipment - Per construction contractor, one forklift throughout construction

Off-road Equipment - Per construction contractor, one forklift throughout construction

Off-road Equipment - Construction contractor estimates 2 to 3 cranes will be needed

Off-road Equipment - One forklift in all phases, per construction contractor

Off-road Equipment - One forklift in all phases, per construction contractor

Trips and VMT - Vendor trips estimated from previous project

Demolition -

Grading - Per project architect, about 80,000 sq ft to be graded

Construction Off-road Equipment Mitigation -

Area Mitigation -

6090_LAUSD Stem - South Coast AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	62.00
tblConstructionPhase	NumDays	220.00	385.00
tblConstructionPhase	NumDays	6.00	24.00
tblConstructionPhase	NumDays	10.00	26.00
tblGrading	AcresOfGrading	12.00	1.84
tblLandUse	LandUseSquareFeet	86,530.00	86,528.00
tblLandUse	LandUseSquareFeet	6,140.00	6,141.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Architectural Coating
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblTripsAndVMT	VendorTripNumber	15.00	27.00

2.0 Emissions Summary

6090_LAUDS Stem - South Coast AQMD Air District, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.9365	9.0000e-005	9.4800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0203	0.0203	5.0000e-005		0.0216
Energy	0.0303	0.2752	0.2312	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.2148	330.2148	6.3300e-003	6.0500e-003	332.1771
Mobile	2.0438	11.5811	29.1600	0.1154	10.1289	0.0925	10.2214	2.7101	0.0863	2.7964		11,758.0207	11,758.0207	0.5531		11,771.8472
Total	4.0106	11.8563	29.4006	0.1171	10.1289	0.1134	10.2423	2.7101	0.1072	2.8173		12,088.2558	12,088.2558	0.5594	6.0500e-003	12,104.0460

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	1.9365	9.0000e-005	9.4800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0203	0.0203	5.0000e-005		0.0216
Energy	0.0303	0.2752	0.2312	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.2148	330.2148	6.3300e-003	6.0500e-003	332.1771
Mobile	2.0438	11.5811	29.1600	0.1154	10.1289	0.0925	10.2214	2.7101	0.0863	2.7964		11,758.0207	11,758.0207	0.5531		11,771.8472
Total	4.0106	11.8563	29.4006	0.1171	10.1289	0.1134	10.2423	2.7101	0.1072	2.8173		12,088.2558	12,088.2558	0.5594	6.0500e-003	12,104.0460

6090_LAUSD Stem - South Coast AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	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	1/2/2020	1/29/2020	5	20	
2	Grading	Grading	1/30/2020	3/3/2020	5	24	
3	Building Construction	Building Construction	3/4/2020	8/24/2021	5	385	
4	Paving	Paving	8/25/2021	9/29/2021	5	26	
5	Architectural Coating	Architectural Coating	9/30/2021	12/24/2021	5	62	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.84

Acres of Paving: 0.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 129,792; Non-Residential Outdoor: 43,264; Striped Parking Area: 368 (Architectural Coating – sqft)

OffRoad Equipment

6090_LAUSD Stem - South Coast AQMD Air District, Winter

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

Trips and VMT

6090_LAUSD Stem - South Coast AQMD Air District, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	80.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	39.00	27.00	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	2	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8660	0.0000	0.8660	0.1311	0.0000	0.1311			0.0000			0.0000
Off-Road	1.7808	17.3450	10.5607	0.0185		0.9375	0.9375		0.8784	0.8784		1,775.1105	1,775.1105	0.4200		1,785.6098
Total	1.7808	17.3450	10.5607	0.0185	0.8660	0.9375	1.8035	0.1311	0.8784	1.0095		1,775.1105	1,775.1105	0.4200		1,785.6098

6090_LAUSD Stem - South Coast AQMD Air District, Winter

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0313	1.1025	0.2332	3.0400e-003	0.0699	3.5600e-003	0.0735	0.0192	3.4100e-003	0.0226		329.1592	329.1592	0.0235		329.7462
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0494	0.0333	0.3681	1.0700e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		107.0365	107.0365	3.0700e-003		107.1132
Total	0.0806	1.1358	0.6013	4.1100e-003	0.1817	4.4100e-003	0.1861	0.0488	4.1900e-003	0.0530		436.1957	436.1957	0.0266		436.8594

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					0.3377	0.0000	0.3377	0.0511	0.0000	0.0511			0.0000			0.0000
Off-Road	1.7808	17.3450	10.5607	0.0185		0.9375	0.9375		0.8784	0.8784	0.0000	1,775.1105	1,775.1105	0.4200		1,785.6098
Total	1.7808	17.3450	10.5607	0.0185	0.3377	0.9375	1.2753	0.0511	0.8784	0.9295	0.0000	1,775.1105	1,775.1105	0.4200		1,785.6098

6090_LAUSD Stem - South Coast AQMD Air District, Winter

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0313	1.1025	0.2332	3.0400e-003	0.0699	3.5600e-003	0.0735	0.0192	3.4100e-003	0.0226		329.1592	329.1592	0.0235		329.7462
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0494	0.0333	0.3681	1.0700e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		107.0365	107.0365	3.0700e-003		107.1132
Total	0.0806	1.1358	0.6013	4.1100e-003	0.1817	4.4100e-003	0.1861	0.0488	4.1900e-003	0.0530		436.1957	436.1957	0.0266		436.8594

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1034	0.0000	6.1034	3.3190	0.0000	3.3190			0.0000			0.0000
Off-Road	2.0660	22.6393	11.1158	0.0221		1.0868	1.0868		0.9999	0.9999		2,144.4369	2,144.4369	0.6936		2,161.7758
Total	2.0660	22.6393	11.1158	0.0221	6.1034	1.0868	7.1902	3.3190	0.9999	4.3189		2,144.4369	2,144.4369	0.6936		2,161.7758

6090_LAUSD Stem - South Coast AQMD Air District, Winter

3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0642	0.0433	0.4785	1.4000e-003	0.1453	1.1000e-003	0.1464	0.0385	1.0200e-003	0.0396		139.1474	139.1474	3.9900e-003		139.2472
Total	0.0642	0.0433	0.4785	1.4000e-003	0.1453	1.1000e-003	0.1464	0.0385	1.0200e-003	0.0396		139.1474	139.1474	3.9900e-003		139.2472

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					2.3803	0.0000	2.3803	1.2944	0.0000	1.2944			0.0000			0.0000
Off-Road	2.0660	22.6393	11.1158	0.0221		1.0868	1.0868		0.9999	0.9999	0.0000	2,144.4369	2,144.4369	0.6936		2,161.7758
Total	2.0660	22.6393	11.1158	0.0221	2.3803	1.0868	3.4671	1.2944	0.9999	2.2943	0.0000	2,144.4369	2,144.4369	0.6936		2,161.7758

6090_LAUSD Stem - South Coast AQMD Air District, Winter

3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0642	0.0433	0.4785	1.4000e-003	0.1453	1.1000e-003	0.1464	0.0385	1.0200e-003	0.0396		139.1474	139.1474	3.9900e-003		139.2472
Total	0.0642	0.0433	0.4785	1.4000e-003	0.1453	1.1000e-003	0.1464	0.0385	1.0200e-003	0.0396		139.1474	139.1474	3.9900e-003		139.2472

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1160	30.5213	21.6694	0.0403		1.5569	1.5569		1.4639	1.4639		3,838.6656	3,838.6656	0.9694		3,862.9009
Total	3.1160	30.5213	21.6694	0.0403		1.5569	1.5569		1.4639	1.4639		3,838.6656	3,838.6656	0.9694		3,862.9009

6090_LAUSD Stem - South Coast AQMD Air District, Winter

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0929	2.8303	0.7522	6.7500e-003	0.1728	0.0143	0.1871	0.0498	0.0136	0.0634		719.5846	719.5846	0.0500		720.8337
Worker	0.1925	0.1299	1.4355	4.1900e-003	0.4359	3.3100e-003	0.4392	0.1156	3.0500e-003	0.1187		417.4423	417.4423	0.0120		417.7416
Total	0.2853	2.9602	2.1877	0.0109	0.6087	0.0176	0.6263	0.1654	0.0167	0.1820		1,137.0269	1,137.0269	0.0619		1,138.5754

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	3.1160	30.5213	21.6694	0.0403		1.5569	1.5569		1.4639	1.4639	0.0000	3,838.6656	3,838.6656	0.9694		3,862.9009
Total	3.1160	30.5213	21.6694	0.0403		1.5569	1.5569		1.4639	1.4639	0.0000	3,838.6656	3,838.6656	0.9694		3,862.9009

6090_LAUSD Stem - South Coast AQMD Air District, Winter

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0929	2.8303	0.7522	6.7500e-003	0.1728	0.0143	0.1871	0.0498	0.0136	0.0634		719.5846	719.5846	0.0500		720.8337
Worker	0.1925	0.1299	1.4355	4.1900e-003	0.4359	3.3100e-003	0.4392	0.1156	3.0500e-003	0.1187		417.4423	417.4423	0.0120		417.7416
Total	0.2853	2.9602	2.1877	0.0109	0.6087	0.0176	0.6263	0.1654	0.0167	0.1820		1,137.0269	1,137.0269	0.0619		1,138.5754

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8088	27.6165	21.1182	0.0403		1.3456	1.3456		1.2648	1.2648		3,838.9077	3,838.9077	0.9601		3,862.9095
Total	2.8088	27.6165	21.1182	0.0403		1.3456	1.3456		1.2648	1.2648		3,838.9077	3,838.9077	0.9601		3,862.9095

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3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0791	2.5670	0.6838	6.6900e-003	0.1728	5.3500e-003	0.1782	0.0498	5.1200e-003	0.0549		714.2855	714.2855	0.0478		715.4803
Worker	0.1799	0.1169	1.3203	4.0500e-003	0.4359	3.2100e-003	0.4391	0.1156	2.9600e-003	0.1186		403.9105	403.9105	0.0108		404.1811
Total	0.2590	2.6839	2.0041	0.0107	0.6087	8.5600e-003	0.6173	0.1654	8.0800e-003	0.1734		1,118.1960	1,118.1960	0.0586		1,119.6614

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8088	27.6165	21.1182	0.0403		1.3456	1.3456		1.2648	1.2648	0.0000	3,838.9077	3,838.9077	0.9601		3,862.9095
Total	2.8088	27.6165	21.1182	0.0403		1.3456	1.3456		1.2648	1.2648	0.0000	3,838.9077	3,838.9077	0.9601		3,862.9095

6090_LAUSD Stem - South Coast AQMD Air District, Winter

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0791	2.5670	0.6838	6.6900e-003	0.1728	5.3500e-003	0.1782	0.0498	5.1200e-003	0.0549		714.2855	714.2855	0.0478		715.4803
Worker	0.1799	0.1169	1.3203	4.0500e-003	0.4359	3.2100e-003	0.4391	0.1156	2.9600e-003	0.1186		403.9105	403.9105	0.0108		404.1811
Total	0.2590	2.6839	2.0041	0.0107	0.6087	8.5600e-003	0.6173	0.1654	8.0800e-003	0.1734		1,118.1960	1,118.1960	0.0586		1,119.6614

3.5 Paving - 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	1.1926	11.8269	12.9435	0.0194		0.6663	0.6663		0.6141	0.6141		1,857.1415	1,857.1415	0.5895		1,871.8801
Paving	0.0141					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2067	11.8269	12.9435	0.0194		0.6663	0.6663		0.6141	0.6141		1,857.1415	1,857.1415	0.5895		1,871.8801

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3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0830	0.0539	0.6094	1.8700e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		186.4202	186.4202	5.0000e-003		186.5451
Total	0.0830	0.0539	0.6094	1.8700e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		186.4202	186.4202	5.0000e-003		186.5451

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	1.1926	11.8269	12.9435	0.0194		0.6663	0.6663		0.6141	0.6141	0.0000	1,857.1415	1,857.1415	0.5895		1,871.8801
Paving	0.0141					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2067	11.8269	12.9435	0.0194		0.6663	0.6663		0.6141	0.6141	0.0000	1,857.1415	1,857.1415	0.5895		1,871.8801

6090_LAUSD Stem - South Coast AQMD Air District, Winter

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0830	0.0539	0.6094	1.8700e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		186.4202	186.4202	5.0000e-003		186.5451
Total	0.0830	0.0539	0.6094	1.8700e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		186.4202	186.4202	5.0000e-003		186.5451

3.6 Architectural Coating - 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					
Archit. Coating	12.9648					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3482	2.7060	2.9854	4.5000e-003		0.1778	0.1778		0.1711	0.1711		429.4789	429.4789	0.0672		431.1587
Total	13.3131	2.7060	2.9854	4.5000e-003		0.1778	0.1778		0.1711	0.1711		429.4789	429.4789	0.0672		431.1587

6090_LAUSD Stem - South Coast AQMD Air District, Winter

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0369	0.0240	0.2708	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		82.8534	82.8534	2.2200e-003		82.9089
Total	0.0369	0.0240	0.2708	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		82.8534	82.8534	2.2200e-003		82.9089

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	12.9648					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3482	2.7060	2.9854	4.5000e-003		0.1778	0.1778		0.1711	0.1711	0.0000	429.4789	429.4789	0.0672		431.1587
Total	13.3131	2.7060	2.9854	4.5000e-003		0.1778	0.1778		0.1711	0.1711	0.0000	429.4789	429.4789	0.0672		431.1587

6090_LAUSD Stem - South Coast AQMD Air District, Winter

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0369	0.0240	0.2708	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		82.8534	82.8534	2.2200e-003		82.9089
Total	0.0369	0.0240	0.2708	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		82.8534	82.8534	2.2200e-003		82.9089

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

6090_LAUSD Stem - South Coast AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0438	11.5811	29.1600	0.1154	10.1289	0.0925	10.2214	2.7101	0.0863	2.7964		11,758.0207	11,758.0207	0.5531		11,771.8472
Unmitigated	2.0438	11.5811	29.1600	0.1154	10.1289	0.0925	10.2214	2.7101	0.0863	2.7964		11,758.0207	11,758.0207	0.5531		11,771.8472

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	1,115.37	378.14	154.89	3,727,712	3,727,712
Parking Lot	0.00	0.00	0.00		
Total	1,115.37	378.14	154.89	3,727,712	3,727,712

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

6090_LAUSD Stem - South Coast AQMD Air District, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896
Parking Lot	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896

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	0.0303	0.2752	0.2312	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.2148	330.2148	6.3300e-003	6.0500e-003	332.1771
NaturalGas Unmitigated	0.0303	0.2752	0.2312	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.2148	330.2148	6.3300e-003	6.0500e-003	332.1771

6090_LAUSD Stem - South Coast AQMD Air District, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	2806.83	0.0303	0.2752	0.2312	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.2148	330.2148	6.3300e-003	6.0500e-003	332.1771
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		0.0303	0.2752	0.2312	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.2148	330.2148	6.3300e-003	6.0500e-003	332.1771

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	2.80683	0.0303	0.2752	0.2312	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.2148	330.2148	6.3300e-003	6.0500e-003	332.1771
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		0.0303	0.2752	0.2312	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.2148	330.2148	6.3300e-003	6.0500e-003	332.1771

6.0 Area Detail

6.1 Mitigation Measures Area

6090_LAUSD Stem - South Coast AQMD Air District, Winter

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9365	9.0000e-005	9.4800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0203	0.0203	5.0000e-005		0.0216
Unmitigated	1.9365	9.0000e-005	9.4800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0203	0.0203	5.0000e-005		0.0216

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	0.2202					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.8000e-004	9.0000e-005	9.4800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0203	0.0203	5.0000e-005		0.0216
Total	1.9365	9.0000e-005	9.4800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0203	0.0203	5.0000e-005		0.0216

6090_LAUSD Stem - South Coast AQMD Air District, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2202					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.8000e-004	9.0000e-005	9.4800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0203	0.0203	5.0000e-005		0.0216
Total	1.9365	9.0000e-005	9.4800e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0203	0.0203	5.0000e-005		0.0216

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

6090_LAUSD Stem - South Coast AQMD Air District, Winter

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

APPENDIX B.2

**ANNUAL EMISSIONS (CRITERIA POLLUTANTS AND
GREENHOUSE GASES)**

6090_LAUSD Stem - South Coast AQMD Air District, Annual

6090_LAUSD Stem
South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	86.53	1000sqft	1.99	86,528.00	0
Parking Lot	6.14	1000sqft	0.14	6,141.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

6090_LAUSD Stem - South Coast AQMD Air District, Annual

Project Characteristics -

Land Use -

Construction Phase - Construction assumed to be from January 2020 to January 2022

Off-road Equipment - Per construction contractor, one forklift throughout construction

Off-road Equipment - Per construction contractor, one forklift throughout construction

Off-road Equipment - Construction contractor estimates 2 to 3 cranes will be needed

Off-road Equipment - One forklift in all phases, per construction contractor

Off-road Equipment - One forklift in all phases, per construction contractor

Trips and VMT - Vendor trips estimated from previous project

Demolition -

Grading - Per project architect, about 80,000 sq ft to be graded

Construction Off-road Equipment Mitigation -

Area Mitigation -

6090_LAUSD Stem - South Coast AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	62.00
tblConstructionPhase	NumDays	220.00	385.00
tblConstructionPhase	NumDays	6.00	24.00
tblConstructionPhase	NumDays	10.00	26.00
tblGrading	AcresOfGrading	12.00	1.84
tblLandUse	LandUseSquareFeet	86,530.00	86,528.00
tblLandUse	LandUseSquareFeet	6,140.00	6,141.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Architectural Coating
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblTripsAndVMT	VendorTripNumber	15.00	27.00

2.0 Emissions Summary

6090_LAUSD Stem - South Coast AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2020	4-1-2020	0.8867	0.8867
2	4-2-2020	7-1-2020	1.1978	1.1978
3	7-2-2020	10-1-2020	1.2109	1.2109
4	10-2-2020	1-1-2021	1.2106	1.2106
5	1-2-2021	4-1-2021	1.0725	1.0725
6	4-2-2021	7-1-2021	1.0838	1.0838
7	7-2-2021	9-30-2021	0.8180	0.8180
		Highest	1.2109	1.2109

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	0.3534	1.0000e-005	1.1800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-003	2.3000e-003	1.0000e-005	0.0000	2.4500e-003
Energy	5.5200e-003	0.0502	0.0422	3.0000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	222.9792	222.9792	8.0000e-003	2.4400e-003	223.9062
Mobile	0.2860	1.6793	4.2312	0.0167	1.4165	0.0131	1.4296	0.3796	0.0122	0.3918	0.0000	1,540.5917	1,540.5917	0.0711	0.0000	1,542.3702
Waste						0.0000	0.0000		0.0000	0.0000	22.8345	0.0000	22.8345	1.3495	0.0000	56.5714
Water						0.0000	0.0000		0.0000	0.0000	0.9115	38.0737	38.9852	0.0952	2.5400e-003	42.1208
Total	0.6449	1.7295	4.2746	0.0170	1.4165	0.0169	1.4334	0.3796	0.0161	0.3956	23.7460	1,801.6469	1,825.3929	1.5238	4.9800e-003	1,864.9711

6090_LAUSD Stem - South Coast AQMD Air District, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3534	1.0000e-005	1.1800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-003	2.3000e-003	1.0000e-005	0.0000	2.4500e-003
Energy	5.5200e-003	0.0502	0.0422	3.0000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	222.9792	222.9792	8.0000e-003	2.4400e-003	223.9062
Mobile	0.2860	1.6793	4.2312	0.0167	1.4165	0.0131	1.4296	0.3796	0.0122	0.3918	0.0000	1,540.5917	1,540.5917	0.0711	0.0000	1,542.3702
Waste						0.0000	0.0000		0.0000	0.0000	22.8345	0.0000	22.8345	1.3495	0.0000	56.5714
Water						0.0000	0.0000		0.0000	0.0000	0.9115	38.0737	38.9852	0.0952	2.5400e-003	42.1208
Total	0.6449	1.7295	4.2746	0.0170	1.4165	0.0169	1.4334	0.3796	0.0161	0.3956	23.7460	1,801.6469	1,825.3929	1.5238	4.9800e-003	1,864.9711

	ROG	NOx	CO	SO2	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

6090_LAUSD Stem - South Coast AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/2/2020	1/29/2020	5	20	
2	Grading	Grading	1/30/2020	3/3/2020	5	24	
3	Building Construction	Building Construction	3/4/2020	8/24/2021	5	385	
4	Paving	Paving	8/25/2021	9/29/2021	5	26	
5	Architectural Coating	Architectural Coating	9/30/2021	12/24/2021	5	62	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.84

Acres of Paving: 0.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 129,792; Non-Residential Outdoor: 43,264; Striped Parking Area: 368 (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	Forklifts	1	7.00	89	0.20
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Forklifts	1	8.00	89	0.20
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	3	8.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Forklifts	1	8.00	89	0.20
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Architectural Coating	Forklifts	1	8.00	89	0.20

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	4	10.00	0.00	80.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	10	39.00	27.00	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	2	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.6600e-003	0.0000	8.6600e-003	1.3100e-003	0.0000	1.3100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0178	0.1735	0.1056	1.8000e-004		9.3800e-003	9.3800e-003		8.7800e-003	8.7800e-003	0.0000	16.1035	16.1035	3.8100e-003	0.0000	16.1988
Total	0.0178	0.1735	0.1056	1.8000e-004	8.6600e-003	9.3800e-003	0.0180	1.3100e-003	8.7800e-003	0.0101	0.0000	16.1035	16.1035	3.8100e-003	0.0000	16.1988

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3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0112	2.2400e-003	3.0000e-005	6.9000e-004	4.0000e-005	7.2000e-004	1.9000e-004	3.0000e-005	2.2000e-004	0.0000	3.0186	3.0186	2.1000e-004	0.0000	3.0238
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.4000e-004	3.7900e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9877	0.9877	3.0000e-005	0.0000	0.9884
Total	7.6000e-004	0.0116	6.0300e-003	4.0000e-005	1.7900e-003	5.0000e-005	1.8300e-003	4.8000e-004	4.0000e-005	5.2000e-004	0.0000	4.0062	4.0062	2.4000e-004	0.0000	4.0121

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					3.3800e-003	0.0000	3.3800e-003	5.1000e-004	0.0000	5.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0178	0.1735	0.1056	1.8000e-004		9.3800e-003	9.3800e-003		8.7800e-003	8.7800e-003	0.0000	16.1035	16.1035	3.8100e-003	0.0000	16.1988
Total	0.0178	0.1735	0.1056	1.8000e-004	3.3800e-003	9.3800e-003	0.0128	5.1000e-004	8.7800e-003	9.2900e-003	0.0000	16.1035	16.1035	3.8100e-003	0.0000	16.1988

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3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0112	2.2400e-003	3.0000e-005	6.9000e-004	4.0000e-005	7.2000e-004	1.9000e-004	3.0000e-005	2.2000e-004	0.0000	3.0186	3.0186	2.1000e-004	0.0000	3.0238
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.4000e-004	3.7900e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9877	0.9877	3.0000e-005	0.0000	0.9884
Total	7.6000e-004	0.0116	6.0300e-003	4.0000e-005	1.7900e-003	5.0000e-005	1.8300e-003	4.8000e-004	4.0000e-005	5.2000e-004	0.0000	4.0062	4.0062	2.4000e-004	0.0000	4.0121

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0732	0.0000	0.0732	0.0398	0.0000	0.0398	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0248	0.2717	0.1334	2.7000e-004		0.0130	0.0130		0.0120	0.0120	0.0000	23.3448	23.3448	7.5500e-003	0.0000	23.5336
Total	0.0248	0.2717	0.1334	2.7000e-004	0.0732	0.0130	0.0863	0.0398	0.0120	0.0518	0.0000	23.3448	23.3448	7.5500e-003	0.0000	23.5336

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3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	5.3000e-004	5.9100e-003	2.0000e-005	1.7100e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.7000e-004	0.0000	1.5408	1.5408	4.0000e-005	0.0000	1.5419
Total	7.0000e-004	5.3000e-004	5.9100e-003	2.0000e-005	1.7100e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.7000e-004	0.0000	1.5408	1.5408	4.0000e-005	0.0000	1.5419

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					0.0286	0.0000	0.0286	0.0155	0.0000	0.0155	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0248	0.2717	0.1334	2.7000e-004		0.0130	0.0130		0.0120	0.0120	0.0000	23.3448	23.3448	7.5500e-003	0.0000	23.5335
Total	0.0248	0.2717	0.1334	2.7000e-004	0.0286	0.0130	0.0416	0.0155	0.0120	0.0275	0.0000	23.3448	23.3448	7.5500e-003	0.0000	23.5335

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3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	5.3000e-004	5.9100e-003	2.0000e-005	1.7100e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.7000e-004	0.0000	1.5408	1.5408	4.0000e-005	0.0000	1.5419
Total	7.0000e-004	5.3000e-004	5.9100e-003	2.0000e-005	1.7100e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.7000e-004	0.0000	1.5408	1.5408	4.0000e-005	0.0000	1.5419

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3381	3.3116	2.3511	4.3700e-003		0.1689	0.1689		0.1588	0.1588	0.0000	377.8381	377.8381	0.0954	0.0000	380.2236
Total	0.3381	3.3116	2.3511	4.3700e-003		0.1689	0.1689		0.1588	0.1588	0.0000	377.8381	377.8381	0.0954	0.0000	380.2236

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3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8100e-003	0.3126	0.0774	7.4000e-004	0.0185	1.5300e-003	0.0200	5.3300e-003	1.4700e-003	6.7900e-003	0.0000	72.0516	72.0516	4.7300e-003	0.0000	72.1699
Worker	0.0189	0.0145	0.1603	4.6000e-004	0.0464	3.6000e-004	0.0468	0.0123	3.3000e-004	0.0127	0.0000	41.7931	41.7931	1.2000e-003	0.0000	41.8231
Total	0.0287	0.3271	0.2377	1.2000e-003	0.0649	1.8900e-003	0.0668	0.0177	1.8000e-003	0.0195	0.0000	113.8447	113.8447	5.9300e-003	0.0000	113.9929

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	0.3381	3.3116	2.3511	4.3700e-003		0.1689	0.1689		0.1588	0.1588	0.0000	377.8377	377.8377	0.0954	0.0000	380.2231
Total	0.3381	3.3116	2.3511	4.3700e-003		0.1689	0.1689		0.1588	0.1588	0.0000	377.8377	377.8377	0.0954	0.0000	380.2231

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3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8100e-003	0.3126	0.0774	7.4000e-004	0.0185	1.5300e-003	0.0200	5.3300e-003	1.4700e-003	6.7900e-003	0.0000	72.0516	72.0516	4.7300e-003	0.0000	72.1699
Worker	0.0189	0.0145	0.1603	4.6000e-004	0.0464	3.6000e-004	0.0468	0.0123	3.3000e-004	0.0127	0.0000	41.7931	41.7931	1.2000e-003	0.0000	41.8231
Total	0.0287	0.3271	0.2377	1.2000e-003	0.0649	1.8900e-003	0.0668	0.0177	1.8000e-003	0.0195	0.0000	113.8447	113.8447	5.9300e-003	0.0000	113.9929

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2359	2.3198	1.7739	3.3800e-003		0.1130	0.1130		0.1063	0.1063	0.0000	292.5383	292.5383	0.0732	0.0000	294.3673
Total	0.2359	2.3198	1.7739	3.3800e-003		0.1130	0.1130		0.1063	0.1063	0.0000	292.5383	292.5383	0.0732	0.0000	294.3673

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3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4500e-003	0.2195	0.0544	5.7000e-004	0.0143	4.4000e-004	0.0147	4.1200e-003	4.2000e-004	4.5500e-003	0.0000	55.3724	55.3724	3.5000e-003	0.0000	55.4600
Worker	0.0137	0.0101	0.1142	3.5000e-004	0.0359	2.7000e-004	0.0362	9.5500e-003	2.5000e-004	9.7900e-003	0.0000	31.3074	31.3074	8.4000e-004	0.0000	31.3284
Total	0.0201	0.2295	0.1686	9.2000e-004	0.0502	7.1000e-004	0.0510	0.0137	6.7000e-004	0.0143	0.0000	86.6799	86.6799	4.3400e-003	0.0000	86.7884

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	0.2359	2.3198	1.7739	3.3800e-003		0.1130	0.1130		0.1063	0.1063	0.0000	292.5379	292.5379	0.0732	0.0000	294.3670
Total	0.2359	2.3198	1.7739	3.3800e-003		0.1130	0.1130		0.1063	0.1063	0.0000	292.5379	292.5379	0.0732	0.0000	294.3670

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3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4500e-003	0.2195	0.0544	5.7000e-004	0.0143	4.4000e-004	0.0147	4.1200e-003	4.2000e-004	4.5500e-003	0.0000	55.3724	55.3724	3.5000e-003	0.0000	55.4600
Worker	0.0137	0.0101	0.1142	3.5000e-004	0.0359	2.7000e-004	0.0362	9.5500e-003	2.5000e-004	9.7900e-003	0.0000	31.3074	31.3074	8.4000e-004	0.0000	31.3284
Total	0.0201	0.2295	0.1686	9.2000e-004	0.0502	7.1000e-004	0.0510	0.0137	6.7000e-004	0.0143	0.0000	86.6799	86.6799	4.3400e-003	0.0000	86.7884

3.5 Paving - 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	0.0155	0.1538	0.1683	2.5000e-004		8.6600e-003	8.6600e-003		7.9800e-003	7.9800e-003	0.0000	21.9020	21.9020	6.9500e-003	0.0000	22.0758
Paving	1.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0157	0.1538	0.1683	2.5000e-004		8.6600e-003	8.6600e-003		7.9800e-003	7.9800e-003	0.0000	21.9020	21.9020	6.9500e-003	0.0000	22.0758

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3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.8000e-004	7.2000e-004	8.1500e-003	2.0000e-005	2.5700e-003	2.0000e-005	2.5900e-003	6.8000e-004	2.0000e-005	7.0000e-004	0.0000	2.2362	2.2362	6.0000e-005	0.0000	2.2377
Total	9.8000e-004	7.2000e-004	8.1500e-003	2.0000e-005	2.5700e-003	2.0000e-005	2.5900e-003	6.8000e-004	2.0000e-005	7.0000e-004	0.0000	2.2362	2.2362	6.0000e-005	0.0000	2.2377

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	0.0155	0.1538	0.1683	2.5000e-004		8.6600e-003	8.6600e-003		7.9800e-003	7.9800e-003	0.0000	21.9020	21.9020	6.9500e-003	0.0000	22.0758
Paving	1.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0157	0.1538	0.1683	2.5000e-004		8.6600e-003	8.6600e-003		7.9800e-003	7.9800e-003	0.0000	21.9020	21.9020	6.9500e-003	0.0000	22.0758

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3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.8000e-004	7.2000e-004	8.1500e-003	2.0000e-005	2.5700e-003	2.0000e-005	2.5900e-003	6.8000e-004	2.0000e-005	7.0000e-004	0.0000	2.2362	2.2362	6.0000e-005	0.0000	2.2377
Total	9.8000e-004	7.2000e-004	8.1500e-003	2.0000e-005	2.5700e-003	2.0000e-005	2.5900e-003	6.8000e-004	2.0000e-005	7.0000e-004	0.0000	2.2362	2.2362	6.0000e-005	0.0000	2.2377

3.6 Architectural Coating - 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					
Archit. Coating	0.4019					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0839	0.0926	1.4000e-004		5.5100e-003	5.5100e-003		5.3000e-003	5.3000e-003	0.0000	12.0781	12.0781	1.8900e-003	0.0000	12.1254
Total	0.4127	0.0839	0.0926	1.4000e-004		5.5100e-003	5.5100e-003		5.3000e-003	5.3000e-003	0.0000	12.0781	12.0781	1.8900e-003	0.0000	12.1254

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3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0300e-003	7.6000e-004	8.6400e-003	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.3700	2.3700	6.0000e-005	0.0000	2.3716
Total	1.0300e-003	7.6000e-004	8.6400e-003	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.3700	2.3700	6.0000e-005	0.0000	2.3716

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	0.4019					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0839	0.0926	1.4000e-004		5.5100e-003	5.5100e-003		5.3000e-003	5.3000e-003	0.0000	12.0781	12.0781	1.8900e-003	0.0000	12.1253
Total	0.4127	0.0839	0.0926	1.4000e-004		5.5100e-003	5.5100e-003		5.3000e-003	5.3000e-003	0.0000	12.0781	12.0781	1.8900e-003	0.0000	12.1253

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3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0300e-003	7.6000e-004	8.6400e-003	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.3700	2.3700	6.0000e-005	0.0000	2.3716
Total	1.0300e-003	7.6000e-004	8.6400e-003	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.3700	2.3700	6.0000e-005	0.0000	2.3716

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	0.2860	1.6793	4.2312	0.0167	1.4165	0.0131	1.4296	0.3796	0.0122	0.3918	0.0000	1,540.5917	1,540.5917	0.0711	0.0000	1,542.3702
Unmitigated	0.2860	1.6793	4.2312	0.0167	1.4165	0.0131	1.4296	0.3796	0.0122	0.3918	0.0000	1,540.5917	1,540.5917	0.0711	0.0000	1,542.3702

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	1,115.37	378.14	154.89	3,727,712	3,727,712
Parking Lot	0.00	0.00	0.00		
Total	1,115.37	378.14	154.89	3,727,712	3,727,712

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6
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
High School	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896
Parking Lot	0.549559	0.042893	0.201564	0.118533	0.015569	0.005846	0.021394	0.034255	0.002099	0.001828	0.004855	0.000709	0.000896

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	168.3085	168.3085	6.9500e-003	1.4400e-003	168.9106
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	168.3085	168.3085	6.9500e-003	1.4400e-003	168.9106
NaturalGas Mitigated	5.5200e-003	0.0502	0.0422	3.0000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	54.6708	54.6708	1.0500e-003	1.0000e-003	54.9957
NaturalGas Unmitigated	5.5200e-003	0.0502	0.0422	3.0000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	54.6708	54.6708	1.0500e-003	1.0000e-003	54.9957

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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					
High School	1.02449e+006	5.5200e-003	0.0502	0.0422	3.0000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	54.6708	54.6708	1.0500e-003	1.0000e-003	54.9957
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		5.5200e-003	0.0502	0.0422	3.0000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	54.6708	54.6708	1.0500e-003	1.0000e-003	54.9957

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					
High School	1.02449e+006	5.5200e-003	0.0502	0.0422	3.0000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	54.6708	54.6708	1.0500e-003	1.0000e-003	54.9957
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		5.5200e-003	0.0502	0.0422	3.0000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	54.6708	54.6708	1.0500e-003	1.0000e-003	54.9957

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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			
High School	526090	167.6236	6.9200e-003	1.4300e-003	168.2233
Parking Lot	2149.35	0.6848	3.0000e-005	1.0000e-005	0.6873
Total		168.3085	6.9500e-003	1.4400e-003	168.9106

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	526090	167.6236	6.9200e-003	1.4300e-003	168.2233
Parking Lot	2149.35	0.6848	3.0000e-005	1.0000e-005	0.6873
Total		168.3085	6.9500e-003	1.4400e-003	168.9106

6.0 Area Detail

6.1 Mitigation Measures Area

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No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3534	1.0000e-005	1.1800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-003	2.3000e-003	1.0000e-005	0.0000	2.4500e-003
Unmitigated	0.3534	1.0000e-005	1.1800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-003	2.3000e-003	1.0000e-005	0.0000	2.4500e-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	0.0402					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3131					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1000e-004	1.0000e-005	1.1800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-003	2.3000e-003	1.0000e-005	0.0000	2.4500e-003
Total	0.3534	1.0000e-005	1.1800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-003	2.3000e-003	1.0000e-005	0.0000	2.4500e-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	0.0402					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3131					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1000e-004	1.0000e-005	1.1800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-003	2.3000e-003	1.0000e-005	0.0000	2.4500e-003
Total	0.3534	1.0000e-005	1.1800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.3000e-003	2.3000e-003	1.0000e-005	0.0000	2.4500e-003

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	38.9852	0.0952	2.5400e-003	42.1208
Unmitigated	38.9852	0.0952	2.5400e-003	42.1208

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	2.8732 / 7.38822	38.9852	0.0952	2.5400e-003	42.1208
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		38.9852	0.0952	2.5400e-003	42.1208

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	2.8732 / 7.38822	38.9852	0.0952	2.5400e-003	42.1208
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		38.9852	0.0952	2.5400e-003	42.1208

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	22.8345	1.3495	0.0000	56.5714
Unmitigated	22.8345	1.3495	0.0000	56.5714

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	112.49	22.8345	1.3495	0.0000	56.5714
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		22.8345	1.3495	0.0000	56.5714

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	112.49	22.8345	1.3495	0.0000	56.5714
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		22.8345	1.3495	0.0000	56.5714

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
