

APPENDIX B

AIR QUALITY AND GREENHOUSE GAS BACKGROUND AND MODELING DATA

Desert Hot Springs HS Career Tech Building - Salton Sea Air Basin, Annual

Desert Hot Springs HS Career Tech Building

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	13.23	1000sqft	0.30	13,226.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Anticipated construction to start summer of 2019 with an estimated duration of 9 months

Off-road Equipment -

Off-road Equipment - No cranes

Off-road Equipment -

On-road Fugitive Dust - Construction traffic will utilize paved roads

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - No additional trips would be generated by the Proposed use

Construction Off-road Equipment Mitigation - Per CARB Title 13 CCR Section 2520-2427, equipment required to be Tier 4 Final for new equipment. For conservative analysis, equipment set to Tier 3.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	5.00	45.00
tblConstructionPhase	NumDays	100.00	200.00
tblConstructionPhase	PhaseEndDate	11/15/2019	3/27/2020
tblConstructionPhase	PhaseEndDate	11/8/2019	3/27/2020
tblConstructionPhase	PhaseStartDate	11/9/2019	1/27/2020
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblVehicleTrips	ST_TR	4.37	0.00
tblVehicleTrips	SU_TR	1.79	0.00
tblVehicleTrips	WD_TR	12.89	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					
2019	0.0516	0.4844	0.4634	6.6000e-004	5.2900e-003	0.0329	0.0382	1.4200e-003	0.0303	0.0317	0.0000	59.5694	59.5694	0.0170	0.0000	59.9948
2020	0.1189	0.2393	0.2522	3.7000e-004	2.6800e-003	0.0155	0.0182	7.2000e-004	0.0145	0.0152	0.0000	32.7491	32.7491	8.2600e-003	0.0000	32.9556
Maximum	0.1189	0.4844	0.4634	6.6000e-004	5.2900e-003	0.0329	0.0382	1.4200e-003	0.0303	0.0317	0.0000	59.5694	59.5694	0.0170	0.0000	59.9948

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					
2019	0.0176	0.3435	0.4654	6.6000e-004	5.2900e-003	0.0230	0.0283	1.4200e-003	0.0230	0.0244	0.0000	59.5693	59.5693	0.0170	0.0000	59.9948
2020	0.1014	0.1879	0.2553	3.7000e-004	2.6800e-003	0.0127	0.0154	7.2000e-004	0.0127	0.0134	0.0000	32.7490	32.7490	8.2600e-003	0.0000	32.9555
Maximum	0.1014	0.3435	0.4654	6.6000e-004	5.2900e-003	0.0230	0.0283	1.4200e-003	0.0230	0.0244	0.0000	59.5693	59.5693	0.0170	0.0000	59.9948

	ROG	NOx	CO	SO2	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	30.26	26.58	-0.72	0.00	0.00	26.29	22.57	0.00	20.24	19.32	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)
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1	6-24-2019	9-23-2019	0.2572	0.1733
2	9-24-2019	12-23-2019	0.2543	0.1713
3	12-24-2019	3-23-2020	0.3545	0.2827
4	3-24-2020	6-23-2020	0.0187	0.0154
		Highest	0.3545	0.2827

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	0.0609	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4000e-004	2.4000e-004	0.0000	0.0000	2.5000e-004
Energy	6.2000e-004	5.6800e-003	4.7700e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	36.9456	36.9456	1.3900e-003	3.8000e-004	37.0924
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	3.4914	0.0000	3.4914	0.2063	0.0000	8.6499
Water						0.0000	0.0000		0.0000	0.0000	0.1394	5.8213	5.9606	0.0146	3.9000e-004	6.4401
Total	0.0615	5.6800e-003	4.8900e-003	3.0000e-005	0.0000	4.3000e-004	4.3000e-004	0.0000	4.3000e-004	4.3000e-004	3.6308	42.7671	46.3979	0.2223	7.7000e-004	52.1826

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	0.0570	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4000e-004	2.4000e-004	0.0000	0.0000	2.5000e-004

Energy	6.2000e-004	5.6800e-003	4.7700e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	36.9456	36.9456	1.3900e-003	3.8000e-004	37.0924
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	3.4914	0.0000	3.4914	0.2063	0.0000	8.6499
Water						0.0000	0.0000		0.0000	0.0000	0.1115	5.2128	5.3243	0.0117	3.1000e-004	5.7099
Total	0.0576	5.6800e-003	4.8900e-003	3.0000e-005	0.0000	4.3000e-004	4.3000e-004	0.0000	4.3000e-004	4.3000e-004	3.6029	42.1586	45.7616	0.2194	6.9000e-004	51.4524

	ROG	NOx	CO	SO2	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	6.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	1.42	1.37	1.30	10.39	1.40

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	6/24/2019	3/27/2020	5	200	
2	Architectural Coating	Architectural Coating	1/27/2020	3/27/2020	5	45	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 19,839; Non-Residential Outdoor: 6,613; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	4	6.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0483	0.4670	0.4382	5.8000e-004		0.0328	0.0328		0.0301	0.0301	0.0000	52.3277	52.3277	0.0166	0.0000	52.7416
Total	0.0483	0.4670	0.4382	5.8000e-004		0.0328	0.0328		0.0301	0.0301	0.0000	52.3277	52.3277	0.0166	0.0000	52.7416

Unmitigated Construction Off-Site

[illegible]

Vendor	5.2000e-004	0.0153	3.8000e-003	3.0000e-005	7.8000e-004	1.0000e-004	8.8000e-004	2.3000e-004	1.0000e-004	3.2000e-004	0.0000	3.2913	3.2913	2.8000e-004	0.0000	3.2984
Worker	2.7600e-003	2.2100e-003	0.0214	4.0000e-005	4.5100e-003	3.0000e-005	4.5400e-003	1.2000e-003	3.0000e-005	1.2200e-003	0.0000	3.9504	3.9504	1.8000e-004	0.0000	3.9548
Total	3.2800e-003	0.0175	0.0252	7.0000e-005	5.2900e-003	1.3000e-004	5.4200e-003	1.4300e-003	1.3000e-004	1.5400e-003	0.0000	7.2417	7.2417	4.6000e-004	0.0000	7.2533

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	0.0143	0.3260	0.4402	5.8000e-004		0.0228	0.0228		0.0228	0.0228	0.0000	52.3276	52.3276	0.0166	0.0000	52.7415
Total	0.0143	0.3260	0.4402	5.8000e-004		0.0228	0.0228		0.0228	0.0228	0.0000	52.3276	52.3276	0.0166	0.0000	52.7415

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	5.2000e-004	0.0153	3.8000e-003	3.0000e-005	7.8000e-004	1.0000e-004	8.8000e-004	2.3000e-004	1.0000e-004	3.2000e-004	0.0000	3.2913	3.2913	2.8000e-004	0.0000	3.2984
Worker	2.7600e-003	2.2100e-003	0.0214	4.0000e-005	4.5100e-003	3.0000e-005	4.5400e-003	1.2000e-003	3.0000e-005	1.2200e-003	0.0000	3.9504	3.9504	1.8000e-004	0.0000	3.9548
Total	3.2800e-003	0.0175	0.0252	7.0000e-005	5.2900e-003	1.3000e-004	5.4200e-003	1.4300e-003	1.3000e-004	1.5400e-003	0.0000	7.2417	7.2417	4.6000e-004	0.0000	7.2533

3.2 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	0.0200	0.1939	0.1994	2.7000e-004		0.0130	0.0130		0.0119	0.0119	0.0000	23.5350	23.5350	7.6100e-003	0.0000	23.7253
Total	0.0200	0.1939	0.1994	2.7000e-004		0.0130	0.0130		0.0119	0.0119	0.0000	23.5350	23.5350	7.6100e-003	0.0000	23.7253

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	2.1000e-004	6.4000e-003	1.5600e-003	2.0000e-005	3.6000e-004	3.0000e-005	3.9000e-004	1.0000e-004	3.0000e-005	1.4000e-004	0.0000	1.5011	1.5011	1.2000e-004	0.0000	1.5041
Worker	1.1800e-003	9.2000e-004	8.9800e-003	2.0000e-005	2.0700e-003	1.0000e-005	2.0900e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.7588	1.7588	7.0000e-005	0.0000	1.7607
Total	1.3900e-003	7.3200e-003	0.0105	4.0000e-005	2.4300e-003	4.0000e-005	2.4800e-003	6.5000e-004	4.0000e-005	7.0000e-004	0.0000	3.2599	3.2599	1.9000e-004	0.0000	3.2648

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
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Category	tons/yr										MT/yr					
Off-Road	6.5700e-003	0.1499	0.2024	2.7000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	23.5350	23.5350	7.6100e-003	0.0000	23.7252
Total	6.5700e-003	0.1499	0.2024	2.7000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	23.5350	23.5350	7.6100e-003	0.0000	23.7252

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	2.1000e-004	6.4000e-003	1.5600e-003	2.0000e-005	3.6000e-004	3.0000e-005	3.9000e-004	1.0000e-004	3.0000e-005	1.4000e-004	0.0000	1.5011	1.5011	1.2000e-004	0.0000	1.5041
Worker	1.1800e-003	9.2000e-004	8.9800e-003	2.0000e-005	2.0700e-003	1.0000e-005	2.0900e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.7588	1.7588	7.0000e-005	0.0000	1.7607
Total	1.3900e-003	7.3200e-003	0.0105	4.0000e-005	2.4300e-003	4.0000e-005	2.4800e-003	6.5000e-004	4.0000e-005	7.0000e-004	0.0000	3.2599	3.2599	1.9000e-004	0.0000	3.2648

3.3 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0920					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4500e-003	0.0379	0.0412	7.0000e-005		2.5000e-003	2.5000e-003		2.5000e-003	2.5000e-003	0.0000	5.7448	5.7448	4.4000e-004	0.0000	5.7559

Total	0.0974	0.0379	0.0412	7.0000e-005		2.5000e-003	2.5000e-003		2.5000e-003	2.5000e-003	0.0000	5.7448	5.7448	4.4000e-004	0.0000	5.7559
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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	1.4000e-004	1.1000e-004	1.0700e-003	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2094	0.2094	1.0000e-005	0.0000	0.2096
Total	1.4000e-004	1.1000e-004	1.0700e-003	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2094	0.2094	1.0000e-005	0.0000	0.2096

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	0.0920					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3400e-003	0.0305	0.0412	7.0000e-005		2.1400e-003	2.1400e-003		2.1400e-003	2.1400e-003	0.0000	5.7448	5.7448	4.4000e-004	0.0000	5.7559
Total	0.0933	0.0305	0.0412	7.0000e-005		2.1400e-003	2.1400e-003		2.1400e-003	2.1400e-003	0.0000	5.7448	5.7448	4.4000e-004	0.0000	5.7559

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	1.4000e-004	1.1000e-004	1.0700e-003	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2094	0.2094	1.0000e-005	0.0000	0.2096
Total	1.4000e-004	1.1000e-004	1.0700e-003	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2094	0.2094	1.0000e-005	0.0000	0.2096

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

High School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	13.80	6.20	6.20	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.488026	0.036684	0.182870	0.124813	0.016056	0.005387	0.022140	0.111418	0.002892	0.001913	0.006145	0.000785	0.000871

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	30.7628	30.7628	1.2700e-003	2.6000e-004	30.8729
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	30.7628	30.7628	1.2700e-003	2.6000e-004	30.8729
NaturalGas Mitigated	6.2000e-004	5.6800e-003	4.7700e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	6.1827	6.1827	1.2000e-004	1.1000e-004	6.2195
NaturalGas Unmitigated	6.2000e-004	5.6800e-003	4.7700e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	6.1827	6.1827	1.2000e-004	1.1000e-004	6.2195

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	115860	6.2000e-004	5.6800e-003	4.7700e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	6.1827	6.1827	1.2000e-004	1.1000e-004	6.2195
Total		6.2000e-004	5.6800e-003	4.7700e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	6.1827	6.1827	1.2000e-004	1.1000e-004	6.2195

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	115860	6.2000e-004	5.6800e-003	4.7700e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	6.1827	6.1827	1.2000e-004	1.1000e-004	6.2195
Total		6.2000e-004	5.6800e-003	4.7700e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	6.1827	6.1827	1.2000e-004	1.1000e-004	6.2195

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	96549.8	30.7628	1.2700e-003	2.6000e-004	30.8729

Total		30.7628	1.2700e-003	2.6000e-004	30.8729
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Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	96549.8	30.7628	1.2700e-003	2.6000e-004	30.8729
Total		30.7628	1.2700e-003	2.6000e-004	30.8729

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Mitigated	0.0570	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4000e-004	2.4000e-004	0.0000	0.0000	2.5000e-004
Unmitigated	0.0609	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4000e-004	2.4000e-004	0.0000	0.0000	2.5000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.2000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0517					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4000e-004	2.4000e-004	0.0000	0.0000	2.5000e-004
Total	0.0609	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4000e-004	2.4000e-004	0.0000	0.0000	2.5000e-004

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.2000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0478					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4000e-004	2.4000e-004	0.0000	0.0000	2.5000e-004

Total	0.0570	0.0000	1.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4000e-004	2.4000e-004	0.0000	0.0000	2.5000e-004
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7.0 Water Detail

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	5.3243	0.0117	3.1000e-004	5.7099
Unmitigated	5.9606	0.0146	3.9000e-004	6.4401

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	0.439297 / 1.12962	5.9606	0.0146	3.9000e-004	6.4401

Total		5.9606	0.0146	3.9000e-004	6.4401
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Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	0.351438 / 1.06071	5.3243	0.0117	3.1000e-004	5.7099
Total		5.3243	0.0117	3.1000e-004	5.7099

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.4914	0.2063	0.0000	8.6499
Unmitigated	3.4914	0.2063	0.0000	8.6499

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	17.2	3.4914	0.2063	0.0000	8.6499
Total		3.4914	0.2063	0.0000	8.6499

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	17.2	3.4914	0.2063	0.0000	8.6499
Total		3.4914	0.2063	0.0000	8.6499

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

Desert Hot Springs HS Career Tech Building - Salton Sea Air Basin, Summer

Desert Hot Springs HS Career Tech Building

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	13.23	1000sqft	0.30	13,226.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Anticipated construction to start summer of 2019 with an estimated duration of 9 months

Off-road Equipment -

Off-road Equipment - No cranes

Off-road Equipment -

On-road Fugitive Dust - Construction traffic will utilize paved roads

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - No additional trips would be generated by the Proposed use

Construction Off-road Equipment Mitigation - Per CARB Title 13 CCR Section 2520-2427, equipment required to be Tier 4 Final for new equipment. For conservative analysis, equipment set to Tier 3.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	5.00	45.00
tblConstructionPhase	NumDays	100.00	200.00
tblConstructionPhase	PhaseEndDate	11/15/2019	3/27/2020
tblConstructionPhase	PhaseEndDate	11/8/2019	3/27/2020
tblConstructionPhase	PhaseStartDate	11/9/2019	1/27/2020
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblVehicleTrips	ST_TR	4.37	0.00
tblVehicleTrips	SU_TR	1.79	0.00
tblVehicleTrips	WD_TR	12.89	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					
2019	0.7604	7.0688	6.8425	9.7300e-003	0.0781	0.4799	0.5581	0.0210	0.4416	0.4626	0.0000	966.4047	966.4047	0.2742	0.0000	973.2584
2020	5.0216	8.0752	8.6270	0.0128	0.0892	0.5237	0.6129	0.0239	0.4907	0.5146	0.0000	1,238.0436	1,238.0436	0.2957	0.0000	1,245.4369
Maximum	5.0216	8.0752	8.6270	0.0128	0.0892	0.5237	0.6129	0.0239	0.4907	0.5146	0.0000	1,238.0436	1,238.0436	0.2957	0.0000	1,245.4369

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.2633	5.0106	6.8724	9.7300e-003	0.0781	0.3354	0.4135	0.0210	0.3353	0.3563	0.0000	966.4047	966.4047	0.2742	0.0000	973.2584
2020	4.4123	6.3508	8.7247	0.0128	0.0892	0.4301	0.5193	0.0239	0.4300	0.4539	0.0000	1,238.0436	1,238.0436	0.2957	0.0000	1,245.4369
Maximum	4.4123	6.3508	8.7247	0.0128	0.0892	0.4301	0.5193	0.0239	0.4300	0.4539	0.0000	1,238.0436	1,238.0436	0.2957	0.0000	1,245.4369

	ROG	NOx	CO	SO2	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	19.14	24.98	-0.82	0.00	0.00	23.73	20.34	0.00	17.92	17.09	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3336	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8900e-003	2.8900e-003	1.0000e-005		3.0900e-003
Energy	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003		37.3440	37.3440	7.2000e-004	6.8000e-004	37.5659
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.3370	0.0311	0.0275	1.9000e-004	0.0000	2.3700e-003	2.3700e-003	0.0000	2.3700e-003	2.3700e-003		37.3469	37.3469	7.3000e-004	6.8000e-004	37.5690

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3124	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8900e-003	2.8900e-003	1.0000e-005		3.0900e-003
Energy	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003		37.3440	37.3440	7.2000e-004	6.8000e-004	37.5659
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.3158	0.0311	0.0275	1.9000e-004	0.0000	2.3700e-003	2.3700e-003	0.0000	2.3700e-003	2.3700e-003		37.3469	37.3469	7.3000e-004	6.8000e-004	37.5690

	ROG	NOx	CO	SO2	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	6.28	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	Building Construction	Building Construction	6/24/2019	3/27/2020	5	200	
2	Architectural Coating	Architectural Coating	1/27/2020	3/27/2020	5	45	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 19,839; Non-Residential Outdoor: 6,613; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	4	6.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7055	6.8172	6.3966	8.5000e-003		0.4781	0.4781		0.4398	0.4398		842.0643	842.0643	0.2664		848.7248
Total	0.7055	6.8172	6.3966	8.5000e-003		0.4781	0.4781		0.4398	0.4398		842.0643	842.0643	0.2664		848.7248

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	7.5600e-003	0.2197	0.0520	5.2000e-004	0.0115	1.4600e-003	0.0130	3.3200e-003	1.4000e-003	4.7200e-003		54.0090	54.0090	4.3700e-003		54.1182
Worker	0.0473	0.0318	0.3939	7.1000e-004	0.0666	4.2000e-004	0.0670	0.0177	3.9000e-004	0.0181		70.3313	70.3313	3.3600e-003		70.4154
Total	0.0549	0.2516	0.4459	1.2300e-003	0.0781	1.8800e-003	0.0800	0.0210	1.7900e-003	0.0228		124.3403	124.3403	7.7300e-003		124.5336

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	0.2084	4.7591	6.4265	8.5000e-003		0.3335	0.3335		0.3335	0.3335	0.0000	842.0643	842.0643	0.2664		848.7248
Total	0.2084	4.7591	6.4265	8.5000e-003		0.3335	0.3335		0.3335	0.3335	0.0000	842.0643	842.0643	0.2664		848.7248

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	7.5600e-003	0.2197	0.0520	5.2000e-004	0.0115	1.4600e-003	0.0130	3.3200e-003	1.4000e-003	4.7200e-003		54.0090	54.0090	4.3700e-003		54.1182
Worker	0.0473	0.0318	0.3939	7.1000e-004	0.0666	4.2000e-004	0.0670	0.0177	3.9000e-004	0.0181		70.3313	70.3313	3.3600e-003		70.4154
Total	0.0549	0.2516	0.4459	1.2300e-003	0.0781	1.8800e-003	0.0800	0.0210	1.7900e-003	0.0228		124.3403	124.3403	7.7300e-003		124.5336

3.2 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	0.6350	6.1566	6.3298	8.5000e-003		0.4112	0.4112		0.3783	0.3783		823.5833	823.5833	0.2664		830.2424
Total	0.6350	6.1566	6.3298	8.5000e-003		0.4112	0.4112		0.3783	0.3783		823.5833	823.5833	0.2664		830.2424

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	6.5600e-003	0.2012	0.0464	5.1000e-004	0.0115	1.0300e-003	0.0126	3.3200e-003	9.9000e-004	4.3100e-003		53.5674	53.5674	4.0400e-003		53.6685
Worker	0.0437	0.0288	0.3595	6.9000e-004	0.0666	4.1000e-004	0.0670	0.0177	3.8000e-004	0.0180		68.0956	68.0956	3.0300e-003		68.1714
Total	0.0503	0.2300	0.4059	1.2000e-003	0.0781	1.4400e-003	0.0796	0.0210	1.3700e-003	0.0224		121.6630	121.6630	7.0700e-003		121.8399

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	0.2084	4.7591	6.4265	8.5000e-003		0.3335	0.3335		0.3335	0.3335	0.0000	823.5833	823.5833	0.2664		830.2424
Total	0.2084	4.7591	6.4265	8.5000e-003		0.3335	0.3335		0.3335	0.3335	0.0000	823.5833	823.5833	0.2664		830.2424

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.5600e-003	0.2012	0.0464	5.1000e-004	0.0115	1.0300e-003	0.0126	3.3200e-003	9.9000e-004	4.3100e-003		53.5674	53.5674	4.0400e-003		53.6685
Worker	0.0437	0.0288	0.3595	6.9000e-004	0.0666	4.1000e-004	0.0670	0.0177	3.8000e-004	0.0180		68.0956	68.0956	3.0300e-003		68.1714
Total	0.0503	0.2300	0.4059	1.2000e-003	0.0781	1.4400e-003	0.0796	0.0210	1.3700e-003	0.0224		121.6630	121.6630	7.0700e-003		121.8399

3.3 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.0868					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	4.3290	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

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	7.2900e-003	4.8000e-003	0.0599	1.1000e-004	0.0111	7.0000e-005	0.0112	2.9400e-003	6.0000e-005	3.0100e-003		11.3493	11.3493	5.1000e-004		11.3619

Total	7.2900e-003	4.8000e-003	0.0599	1.1000e-004	0.0111	7.0000e-005	0.0112	2.9400e-003	6.0000e-005	3.0100e-003		11.3493	11.3493	5.1000e-004		11.3619
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.0868					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	0.0218		281.9928
Total	4.1463	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9928

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	7.2900e-003	4.8000e-003	0.0599	1.1000e-004	0.0111	7.0000e-005	0.0112	2.9400e-003	6.0000e-005	3.0100e-003		11.3493	11.3493	5.1000e-004		11.3619
Total	7.2900e-003	4.8000e-003	0.0599	1.1000e-004	0.0111	7.0000e-005	0.0112	2.9400e-003	6.0000e-005	3.0100e-003		11.3493	11.3493	5.1000e-004		11.3619

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	13.80	6.20	6.20	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.488026	0.036684	0.182870	0.124813	0.016056	0.005387	0.022140	0.111418	0.002892	0.001913	0.006145	0.000785	0.000871

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	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003		37.3440	37.3440	7.2000e-004	6.8000e-004	37.5659
NaturalGas Unmitigated	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003		37.3440	37.3440	7.2000e-004	6.8000e-004	37.5659

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	317.424	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003		37.3440	37.3440	7.2000e-004	6.8000e-004	37.5659
Total		3.4200e-003	0.0311	0.0261	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003		37.3440	37.3440	7.2000e-004	6.8000e-004	37.5659

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
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Land Use	kBTU/yr	lb/day										lb/day					
High School	0.317424	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003		37.3440	37.3440	7.2000e-004	6.8000e-004	37.5659
Total		3.4200e-003	0.0311	0.0261	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003		37.3440	37.3440	7.2000e-004	6.8000e-004	37.5659

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3124	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8900e-003	2.8900e-003	1.0000e-005		3.0900e-003
Unmitigated	0.3336	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8900e-003	2.8900e-003	1.0000e-005		3.0900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0504					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8900e-003	2.8900e-003	1.0000e-005		3.0900e-003
Total	0.3336	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8900e-003	2.8900e-003	1.0000e-005		3.0900e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0504					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8900e-003	2.8900e-003	1.0000e-005		3.0900e-003
Total	0.3124	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8900e-003	2.8900e-003	1.0000e-005		3.0900e-003

7.0 Water Detail

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

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

Desert Hot Springs HS Career Tech Building - Salton Sea Air Basin, Winter

Desert Hot Springs HS Career Tech Building

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	13.23	1000sqft	0.30	13,226.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Anticipated construction to start summer of 2019 with an estimated duration of 9 months

Off-road Equipment -

Off-road Equipment - No cranes

Off-road Equipment -

On-road Fugitive Dust - Construction traffic will utilize paved roads

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - No additional trips would be generated by the Proposed use

Construction Off-road Equipment Mitigation - Per CARB Title 13 CCR Section 2520-2427, equipment required to be Tier 4 Final for new equipment. For conservative analysis, equipment set to Tier 3.

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	5.00	45.00
tblConstructionPhase	NumDays	100.00	200.00
tblConstructionPhase	PhaseEndDate	11/15/2019	3/27/2020
tblConstructionPhase	PhaseEndDate	11/8/2019	3/27/2020
tblConstructionPhase	PhaseStartDate	11/9/2019	1/27/2020
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblVehicleTrips	ST_TR	4.37	0.00
tblVehicleTrips	SU_TR	1.79	0.00
tblVehicleTrips	WD_TR	12.89	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					
2019	0.7536	7.0706	6.7346	9.5800e-003	0.0781	0.4800	0.5581	0.0210	0.4416	0.4626	0.0000	952.6334	952.6334	0.2739	0.0000	959.4818
2020	5.0144	8.0761	8.5101	0.0126	0.0892	0.5237	0.6130	0.0239	0.4907	0.5147	0.0000	1,222.8218	1,222.8218	0.2954	0.0000	1,230.2081
Maximum	5.0144	8.0761	8.5101	0.0126	0.0892	0.5237	0.6130	0.0239	0.4907	0.5147	0.0000	1,222.8218	1,222.8218	0.2954	0.0000	1,230.2081

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.2565	5.0124	6.7644	9.5800e-003	0.0781	0.3354	0.4135	0.0210	0.3353	0.3563	0.0000	952.6334	952.6334	0.2739	0.0000	959.4818
2020	4.4051	6.3518	8.6078	0.0126	0.0892	0.4301	0.5193	0.0239	0.4300	0.4539	0.0000	1,222.8218	1,222.8218	0.2954	0.0000	1,230.2081
Maximum	4.4051	6.3518	8.6078	0.0126	0.0892	0.4301	0.5193	0.0239	0.4300	0.4539	0.0000	1,222.8218	1,222.8218	0.2954	0.0000	1,230.2081

	ROG	NOx	CO	SO2	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	19.18	24.97	-0.84	0.00	0.00	23.73	20.34	0.00	17.92	17.09	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3336	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8900e-003	2.8900e-003	1.0000e-005		3.0900e-003
Energy	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003		37.3440	37.3440	7.2000e-004	6.8000e-004	37.5659
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.3370	0.0311	0.0275	1.9000e-004	0.0000	2.3700e-003	2.3700e-003	0.0000	2.3700e-003	2.3700e-003		37.3469	37.3469	7.3000e-004	6.8000e-004	37.5690

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3124	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8900e-003	2.8900e-003	1.0000e-005		3.0900e-003
Energy	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003		37.3440	37.3440	7.2000e-004	6.8000e-004	37.5659
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.3158	0.0311	0.0275	1.9000e-004	0.0000	2.3700e-003	2.3700e-003	0.0000	2.3700e-003	2.3700e-003		37.3469	37.3469	7.3000e-004	6.8000e-004	37.5690

	ROG	NOx	CO	SO2	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	6.28	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	Building Construction	Building Construction	6/24/2019	3/27/2020	5	200	
2	Architectural Coating	Architectural Coating	1/27/2020	3/27/2020	5	45	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 19,839; Non-Residential Outdoor: 6,613; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	4	6.00	2.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	14.60	6.20	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7055	6.8172	6.3966	8.5000e-003		0.4781	0.4781		0.4398	0.4398		842.0643	842.0643	0.2664		848.7248
Total	0.7055	6.8172	6.3966	8.5000e-003		0.4781	0.4781		0.4398	0.4398		842.0643	842.0643	0.2664		848.7248

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	7.9000e-003	0.2205	0.0609	4.9000e-004	0.0115	1.4900e-003	0.0130	3.3200e-003	1.4200e-003	4.7400e-003		51.5204	51.5204	4.8900e-003		51.6427
Worker	0.0402	0.0329	0.2770	5.9000e-004	0.0666	4.2000e-004	0.0670	0.0177	3.9000e-004	0.0181		59.0486	59.0486	2.6200e-003		59.1143
Total	0.0481	0.2534	0.3379	1.0800e-003	0.0781	1.9100e-003	0.0800	0.0210	1.8100e-003	0.0228		110.5691	110.5691	7.5100e-003		110.7570

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	0.2084	4.7591	6.4265	8.5000e-003		0.3335	0.3335		0.3335	0.3335	0.0000	842.0643	842.0643	0.2664		848.7248
Total	0.2084	4.7591	6.4265	8.5000e-003		0.3335	0.3335		0.3335	0.3335	0.0000	842.0643	842.0643	0.2664		848.7248

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	7.9000e-003	0.2205	0.0609	4.9000e-004	0.0115	1.4900e-003	0.0130	3.3200e-003	1.4200e-003	4.7400e-003		51.5204	51.5204	4.8900e-003		51.6427
Worker	0.0402	0.0329	0.2770	5.9000e-004	0.0666	4.2000e-004	0.0670	0.0177	3.9000e-004	0.0181		59.0486	59.0486	2.6200e-003		59.1143
Total	0.0481	0.2534	0.3379	1.0800e-003	0.0781	1.9100e-003	0.0800	0.0210	1.8100e-003	0.0228		110.5691	110.5691	7.5100e-003		110.7570

3.2 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	0.6350	6.1566	6.3298	8.5000e-003		0.4112	0.4112		0.3783	0.3783		823.5833	823.5833	0.2664		830.2424
Total	0.6350	6.1566	6.3298	8.5000e-003		0.4112	0.4112		0.3783	0.3783		823.5833	823.5833	0.2664		830.2424

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	6.8900e-003	0.2011	0.0547	4.9000e-004	0.0115	1.0500e-003	0.0126	3.3200e-003	1.0100e-003	4.3200e-003		51.0931	51.0931	4.5300e-003		51.2065
Worker	0.0373	0.0297	0.2522	5.7000e-004	0.0666	4.1000e-004	0.0670	0.0177	3.8000e-004	0.0180		57.1692	57.1692	2.3700e-003		57.2284
Total	0.0442	0.2307	0.3069	1.0600e-003	0.0781	1.4600e-003	0.0796	0.0210	1.3900e-003	0.0224		108.2623	108.2623	6.9000e-003		108.4349

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	0.2084	4.7591	6.4265	8.5000e-003		0.3335	0.3335		0.3335	0.3335	0.0000	823.5833	823.5833	0.2664		830.2424
Total	0.2084	4.7591	6.4265	8.5000e-003		0.3335	0.3335		0.3335	0.3335	0.0000	823.5833	823.5833	0.2664		830.2424

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.8900e-003	0.2011	0.0547	4.9000e-004	0.0115	1.0500e-003	0.0126	3.3200e-003	1.0100e-003	4.3200e-003		51.0931	51.0931	4.5300e-003		51.2065
Worker	0.0373	0.0297	0.2522	5.7000e-004	0.0666	4.1000e-004	0.0670	0.0177	3.8000e-004	0.0180		57.1692	57.1692	2.3700e-003		57.2284
Total	0.0442	0.2307	0.3069	1.0600e-003	0.0781	1.4600e-003	0.0796	0.0210	1.3900e-003	0.0224		108.2623	108.2623	6.9000e-003		108.4349

3.3 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.0868					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	4.3290	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

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	6.2100e-003	4.9500e-003	0.0420	1.0000e-004	0.0111	7.0000e-005	0.0112	2.9400e-003	6.0000e-005	3.0100e-003		9.5282	9.5282	3.9000e-004		9.5381

Total	6.2100e-003	4.9500e-003	0.0420	1.0000e-004	0.0111	7.0000e-005	0.0112	2.9400e-003	6.0000e-005	3.0100e-003		9.5282	9.5282	3.9000e-004		9.5381
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.0868					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	0.0218		281.9928
Total	4.1463	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9928

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	6.2100e-003	4.9500e-003	0.0420	1.0000e-004	0.0111	7.0000e-005	0.0112	2.9400e-003	6.0000e-005	3.0100e-003		9.5282	9.5282	3.9000e-004		9.5381
Total	6.2100e-003	4.9500e-003	0.0420	1.0000e-004	0.0111	7.0000e-005	0.0112	2.9400e-003	6.0000e-005	3.0100e-003		9.5282	9.5282	3.9000e-004		9.5381

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	13.80	6.20	6.20	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.488026	0.036684	0.182870	0.124813	0.016056	0.005387	0.022140	0.111418	0.002892	0.001913	0.006145	0.000785	0.000871

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	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003		37.3440	37.3440	7.2000e-004	6.8000e-004	37.5659
NaturalGas Unmitigated	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003		37.3440	37.3440	7.2000e-004	6.8000e-004	37.5659

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	317.424	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003		37.3440	37.3440	7.2000e-004	6.8000e-004	37.5659
Total		3.4200e-003	0.0311	0.0261	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003		37.3440	37.3440	7.2000e-004	6.8000e-004	37.5659

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
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Land Use	kBTU/yr	lb/day										lb/day					
High School	0.317424	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003		37.3440	37.3440	7.2000e-004	6.8000e-004	37.5659
Total		3.4200e-003	0.0311	0.0261	1.9000e-004		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003		37.3440	37.3440	7.2000e-004	6.8000e-004	37.5659

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3124	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8900e-003	2.8900e-003	1.0000e-005		3.0900e-003
Unmitigated	0.3336	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8900e-003	2.8900e-003	1.0000e-005		3.0900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0504					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8900e-003	2.8900e-003	1.0000e-005		3.0900e-003
Total	0.3336	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8900e-003	2.8900e-003	1.0000e-005		3.0900e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0504					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2619					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8900e-003	2.8900e-003	1.0000e-005		3.0900e-003
Total	0.3124	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.8900e-003	2.8900e-003	1.0000e-005		3.0900e-003

7.0 Water Detail

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

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
