

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

RCCD Ben Clark Training Center - Phase I
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	14.13	1000sqft	1.26	14,135.00	0
Other Non-Asphalt Surfaces	13.50	1000sqft	0.31	13,500.00	0
Parking Lot	84.00	Space	0.80	35,000.00	0
User Defined Recreational	41.00	User Defined Unit	0.94	41,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Riverside Public Utilities				
CO2 Intensity (lb/MW hr)	566.2	CH4 Intensity (lb/MW hr)	0.023	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Section 1.0 Project Characteristics. GHG intensity factor adjusted for 2018 power content label assuming 36% renewables.

Land Use - Project-specific land uses.

Construction Phase - Utilites included in grading and building. Project specific schedule.

Off-road Equipment - CalEEMod default values.

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Off-road Equipment - CalEEMod default values.

Trips and VMT - CalEEMod default values. Rounded up to even numbers.

On-road Fugitive Dust - CalEEMod default values.

Demolition - 247 tons of debris.

Grading - 2,200 C.Y. of import.

Architectural Coating - Adjusted per architectural coating phase. Adjusted Exterior and Interior to reflect project. CalEEMod User Guide calcs: $14135 * 2 * .75 = 21202.5$ $14135 * 2 * .25 = 7067.5$

Vehicle Trips - Project specific values.

Vehicle Emission Factors - CalEEMod default values.

Vehicle Emission Factors - CalEEMod default values.

Vehicle Emission Factors - CalEEMod default values.

Road Dust - CalEEMod default values.

Woodstoves - No hearths.

Consumer Products - CalEEMod default values.

Area Coating - CalEEMod default values.

Landscape Equipment - CalEEMod default values.

Energy Use - Adjusted per Title 24 2019 energy efficient reductions.

Water And Wastewater - CalEEMod default values.

Solid Waste - CalEEMod default values.

Construction Off-road Equipment Mitigation - Water exposed area 2x per day.

Mobile Land Use Mitigation - No mitigation applied.

Mobile Commute Mitigation - No mitigation applied.

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Waste Mitigation - No mitigation applied.

Operational Off-Road Equipment - No off-road equipment.

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources.

Stationary Sources - Process Boilers -

Stationary Sources - Emergency Generators and Fire Pumps EF -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	14,130.00	14,135.00
tblLandUse	LandUseSquareFeet	33,600.00	35,000.00
tblLandUse	LandUseSquareFeet	0.00	41,000.00
tblLandUse	LotAcreage	0.32	1.26
tblLandUse	LotAcreage	0.76	0.80
tblLandUse	LotAcreage	0.00	0.94
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	1325.65	566.2
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	HaulingTripNumber	0.00	276.00
tblTripsAndVMT	VendorTripNumber	17.00	18.00
tblTripsAndVMT	VendorTripNumber	17.00	18.00
tblTripsAndVMT	VendorTripNumber	17.00	18.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00

2.0 Emissions Summary

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2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.9719	40.5474	22.0825	0.0565	18.2675	2.0457	20.3131	9.9840	1.8820	11.8660	0.0000	5,713.1789	5,713.1789	1.1960	0.0000	5,740.8691
2022	33.2722	44.1364	48.5455	0.0917	1.4377	2.1181	3.5558	0.3865	1.9843	2.3708	0.0000	8,846.2005	8,846.2005	1.8869	0.0000	8,893.3716
Maximum	33.2722	44.1364	48.5455	0.0917	18.2675	2.1181	20.3131	9.9840	1.9843	11.8660	0.0000	8,846.2005	8,846.2005	1.8869	0.0000	8,893.3716

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.9719	40.5474	22.0825	0.0565	8.3310	2.0457	10.3767	4.5222	1.8820	6.4042	0.0000	5,713.1789	5,713.1789	1.1960	0.0000	5,740.8691
2022	33.2722	44.1364	48.5455	0.0917	1.4377	2.1181	3.5558	0.3865	1.9843	2.3708	0.0000	8,846.2005	8,846.2005	1.8869	0.0000	8,893.3716
Maximum	33.2722	44.1364	48.5455	0.0917	8.3310	2.1181	10.3767	4.5222	1.9843	6.4042	0.0000	8,846.2005	8,846.2005	1.8869	0.0000	8,893.3716

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	50.43	0.00	41.63	52.67	0.00	38.36	0.00	0.00	0.00	0.00	0.00	0.00

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Energy	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
Mobile	0.5319	3.7625	6.3019	0.0303	2.5017	0.0177	2.5195	0.6693	0.0165	0.6858		3,102.2612	3,102.2612	0.1456		3,105.9017
Total	1.7917	3.8152	6.3616	0.0306	2.5017	0.0218	2.5235	0.6693	0.0206	0.6899		3,165.3041	3,165.3041	0.1469	1.1600e-003	3,169.3212

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	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Energy	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
Mobile	0.5319	3.7625	6.3019	0.0303	2.5017	0.0177	2.5195	0.6693	0.0165	0.6858		3,102.2612	3,102.2612	0.1456		3,105.9017
Total	1.7917	3.8152	6.3616	0.0306	2.5017	0.0218	2.5235	0.6693	0.0206	0.6899		3,165.3041	3,165.3041	0.1469	1.1600e-003	3,169.3212

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	9/15/2021	5	20	
2	Site Preparation	Site Preparation	9/16/2021	9/20/2021	5	5	
3	Grading / Over-excavation	Grading	9/21/2021	10/4/2021	5	8	
4	Structure	Building Construction	10/6/2021	3/2/2022	5	230	
5	Interiors	Building Construction	1/20/2022	8/3/2022	5	230	
6	Plaster Exterior - Structure	Architectural Coating	3/3/2022	3/23/2022	5	18	
7	Site Improvements	Building Construction	4/12/2022	7/6/2022	5	230	
8	Paint - Primer / 1st Coat - Interior	Architectural Coating	4/14/2022	4/20/2022	5	18	
9	Final Paint - Interior	Architectural Coating	6/3/2022	6/9/2022	5	18	
10	Asphalt Paving / Cure - Site Improvement	Paving	6/22/2022	6/30/2022	5	18	
11	Striping - Site Improvement	Architectural Coating	7/1/2022	7/5/2022	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.11

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 82,703; Non-Residential Outdoor: 27,568; Striped Parking Area: 2,910 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading / Over-excavation	Excavators	1	8.00	158	0.38
Grading / Over-excavation	Graders	1	8.00	187	0.41
Grading / Over-excavation	Rubber Tired Dozers	1	8.00	247	0.40
Grading / Over-excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Structure	Cranes	1	7.00	231	0.29
Structure	Forklifts	3	8.00	89	0.20
Structure	Generator Sets	1	8.00	84	0.74
Structure	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Structure	Welders	1	8.00	46	0.45
Interiors	Cranes	1	7.00	231	0.29
Interiors	Forklifts	3	8.00	89	0.20
Interiors	Generator Sets	1	8.00	84	0.74
Interiors	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Interiors	Welders	1	8.00	46	0.45
Plaster Exterior - Structure	Air Compressors	1	6.00	78	0.48
Site Improvements	Cranes	1	7.00	231	0.29
Site Improvements	Forklifts	3	8.00	89	0.20
Site Improvements	Generator Sets	1	8.00	84	0.74
Site Improvements	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Site Improvements	Welders	1	8.00	46	0.45
Paint - Primer / 1st Coat - Interior	Air Compressors	1	6.00	78	0.48

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Final Paint - Interior	Air Compressors	1	6.00	78	0.48
Asphalt Paving / Cure - Site Improvement	Cement and Mortar Mixers	2	6.00	9	0.56
Asphalt Paving / Cure - Site Improvement	Pavers	1	8.00	130	0.42
Asphalt Paving / Cure - Site Improvement	Paving Equipment	2	6.00	132	0.36
Asphalt Paving / Cure - Site Improvement	Rollers	2	6.00	80	0.38
Asphalt Paving / Cure - Site Improvement	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Striping - Site Improvement	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	24.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading / Over-excavation	6	16.00	0.00	276.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structure	9	44.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Interiors	9	44.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Plaster Exterior - Structure	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Improvements	9	44.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paint - Primer / 1st Coat - Interior	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Final Paint - Interior	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving / Cure - Site Improvement	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Striping - Site Improvement	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2659	0.0000	0.2659	0.0403	0.0000	0.0403			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.2659	1.5513	1.8173	0.0403	1.4411	1.4814		3,747.9449	3,747.9449	1.0549		3,774.3174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.1500e-003	0.2626	0.0400	8.8000e-004	0.0340	8.1000e-004	0.0348	8.9400e-003	7.7000e-004	9.7100e-003		93.5102	93.5102	6.1000e-003		93.6626
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0744	0.0447	0.4775	1.5300e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		152.8310	152.8310	3.5300e-003		152.9193
Total	0.0806	0.3073	0.5175	2.4100e-003	0.2128	1.8600e-003	0.2147	0.0564	1.7400e-003	0.0581		246.3412	246.3412	9.6300e-003		246.5819

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3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1197	0.0000	0.1197	0.0181	0.0000	0.0181			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.1197	1.5513	1.6710	0.0181	1.4411	1.4592	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.1500e-003	0.2626	0.0400	8.8000e-004	0.0340	8.1000e-004	0.0348	8.9400e-003	7.7000e-004	9.7100e-003		93.5102	93.5102	6.1000e-003		93.6626
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0744	0.0447	0.4775	1.5300e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		152.8310	152.8310	3.5300e-003		152.9193
Total	0.0806	0.3073	0.5175	2.4100e-003	0.2128	1.8600e-003	0.2147	0.0564	1.7400e-003	0.0581		246.3412	246.3412	9.6300e-003		246.5819

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3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

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	0.0838	0.0503	0.5372	1.7200e-003	0.2012	1.1900e-003	0.2024	0.0534	1.0900e-003	0.0545		171.9348	171.9348	3.9700e-003		172.0342
Total	0.0838	0.0503	0.5372	1.7200e-003	0.2012	1.1900e-003	0.2024	0.0534	1.0900e-003	0.0545		171.9348	171.9348	3.9700e-003		172.0342

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3.3 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	8.1298	2.0445	10.1743	4.4688	1.8809	6.3497	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

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	0.0838	0.0503	0.5372	1.7200e-003	0.2012	1.1900e-003	0.2024	0.0534	1.0900e-003	0.0545		171.9348	171.9348	3.9700e-003		172.0342
Total	0.0838	0.0503	0.5372	1.7200e-003	0.2012	1.1900e-003	0.2024	0.0534	1.0900e-003	0.0545		171.9348	171.9348	3.9700e-003		172.0342

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.4 Grading / Over-excavation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346		2,871.9285	2,871.9285	0.9288		2,895.1495

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1767	7.5496	1.1503	0.0253	0.5123	0.0232	0.5354	0.1430	0.0222	0.1652		2,688.4195	2,688.4195	0.1752		2,692.8003
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0744	0.0447	0.4775	1.5300e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		152.8310	152.8310	3.5300e-003		152.9193
Total	0.2512	7.5943	1.6278	0.0269	0.6911	0.0242	0.7153	0.1905	0.0231	0.2136		2,841.2504	2,841.2504	0.1788		2,845.7196

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.4 Grading / Over-excavation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	2.9486	1.1599	4.1085	1.5154	1.0671	2.5825	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1767	7.5496	1.1503	0.0253	0.5123	0.0232	0.5354	0.1430	0.0222	0.1652		2,688.4195	2,688.4195	0.1752		2,692.8003
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0744	0.0447	0.4775	1.5300e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		152.8310	152.8310	3.5300e-003		152.9193
Total	0.2512	7.5943	1.6278	0.0269	0.6911	0.0242	0.7153	0.1905	0.0231	0.2136		2,841.2504	2,841.2504	0.1788		2,845.7196

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.5 Structure - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0446	1.6514	0.3516	4.4900e-003	0.1153	3.2600e-003	0.1185	0.0332	3.1200e-003	0.0363		473.3518	473.3518	0.0392		474.3320
Worker	0.2047	0.1229	1.3131	4.2200e-003	0.4918	2.9000e-003	0.4947	0.1304	2.6700e-003	0.1331		420.2852	420.2852	9.7100e-003		420.5280
Total	0.2493	1.7743	1.6647	8.7100e-003	0.6071	6.1600e-003	0.6132	0.1636	5.7900e-003	0.1694		893.6370	893.6370	0.0489		894.8599

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.5 Structure - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0446	1.6514	0.3516	4.4900e-003	0.1153	3.2600e-003	0.1185	0.0332	3.1200e-003	0.0363		473.3518	473.3518	0.0392		474.3320
Worker	0.2047	0.1229	1.3131	4.2200e-003	0.4918	2.9000e-003	0.4947	0.1304	2.6700e-003	0.1331		420.2852	420.2852	9.7100e-003		420.5280
Total	0.2493	1.7743	1.6647	8.7100e-003	0.6071	6.1600e-003	0.6132	0.1636	5.7900e-003	0.1694		893.6370	893.6370	0.0489		894.8599

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.5 Structure - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0417	1.5558	0.3282	4.4500e-003	0.1153	2.7500e-003	0.1180	0.0332	2.6300e-003	0.0358		469.2189	469.2189	0.0372		470.1481
Worker	0.1921	0.1106	1.2093	4.0600e-003	0.4918	2.8200e-003	0.4946	0.1304	2.6000e-003	0.1330		404.9491	404.9491	8.7300e-003		405.1674
Total	0.2337	1.6664	1.5375	8.5100e-003	0.6071	5.5700e-003	0.6127	0.1636	5.2300e-003	0.1688		874.1680	874.1680	0.0459		875.3155

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.5 Structure - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0417	1.5558	0.3282	4.4500e-003	0.1153	2.7500e-003	0.1180	0.0332	2.6300e-003	0.0358		469.2189	469.2189	0.0372		470.1481
Worker	0.1921	0.1106	1.2093	4.0600e-003	0.4918	2.8200e-003	0.4946	0.1304	2.6000e-003	0.1330		404.9491	404.9491	8.7300e-003		405.1674
Total	0.2337	1.6664	1.5375	8.5100e-003	0.6071	5.5700e-003	0.6127	0.1636	5.2300e-003	0.1688		874.1680	874.1680	0.0459		875.3155

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.6 Interiors - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0417	1.5558	0.3282	4.4500e-003	0.1153	2.7500e-003	0.1180	0.0332	2.6300e-003	0.0358		469.2189	469.2189	0.0372		470.1481
Worker	0.1921	0.1106	1.2093	4.0600e-003	0.4918	2.8200e-003	0.4946	0.1304	2.6000e-003	0.1330		404.9491	404.9491	8.7300e-003		405.1674
Total	0.2337	1.6664	1.5375	8.5100e-003	0.6071	5.5700e-003	0.6127	0.1636	5.2300e-003	0.1688		874.1680	874.1680	0.0459		875.3155

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.6 Interiors - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0417	1.5558	0.3282	4.4500e-003	0.1153	2.7500e-003	0.1180	0.0332	2.6300e-003	0.0358		469.2189	469.2189	0.0372		470.1481
Worker	0.1921	0.1106	1.2093	4.0600e-003	0.4918	2.8200e-003	0.4946	0.1304	2.6000e-003	0.1330		404.9491	404.9491	8.7300e-003		405.1674
Total	0.2337	1.6664	1.5375	8.5100e-003	0.6071	5.5700e-003	0.6127	0.1636	5.2300e-003	0.1688		874.1680	874.1680	0.0459		875.3155

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.7 Plaster Exterior - Structure - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0251	0.2748	9.2000e-004	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		92.0339	92.0339	1.9800e-003		92.0835
Total	0.0437	0.0251	0.2748	9.2000e-004	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		92.0339	92.0339	1.9800e-003		92.0835

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.7 Plaster Exterior - Structure - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0251	0.2748	9.2000e-004	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		92.0339	92.0339	1.9800e-003		92.0835
Total	0.0437	0.0251	0.2748	9.2000e-004	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		92.0339	92.0339	1.9800e-003		92.0835

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.8 Site Improvements - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0417	1.5558	0.3282	4.4500e-003	0.1153	2.7500e-003	0.1180	0.0332	2.6300e-003	0.0358		469.2189	469.2189	0.0372		470.1481
Worker	0.1921	0.1106	1.2093	4.0600e-003	0.4918	2.8200e-003	0.4946	0.1304	2.6000e-003	0.1330		404.9491	404.9491	8.7300e-003		405.1674
Total	0.2337	1.6664	1.5375	8.5100e-003	0.6071	5.5700e-003	0.6127	0.1636	5.2300e-003	0.1688		874.1680	874.1680	0.0459		875.3155

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.8 Site Improvements - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0417	1.5558	0.3282	4.4500e-003	0.1153	2.7500e-003	0.1180	0.0332	2.6300e-003	0.0358		469.2189	469.2189	0.0372		470.1481
Worker	0.1921	0.1106	1.2093	4.0600e-003	0.4918	2.8200e-003	0.4946	0.1304	2.6000e-003	0.1330		404.9491	404.9491	8.7300e-003		405.1674
Total	0.2337	1.6664	1.5375	8.5100e-003	0.6071	5.5700e-003	0.6127	0.1636	5.2300e-003	0.1688		874.1680	874.1680	0.0459		875.3155

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.9 Paint - Primer / 1st Coat - Interior - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0251	0.2748	9.2000e-004	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		92.0339	92.0339	1.9800e-003		92.0835
Total	0.0437	0.0251	0.2748	9.2000e-004	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		92.0339	92.0339	1.9800e-003		92.0835

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.9 Paint - Primer / 1st Coat - Interior - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0251	0.2748	9.2000e-004	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		92.0339	92.0339	1.9800e-003		92.0835
Total	0.0437	0.0251	0.2748	9.2000e-004	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		92.0339	92.0339	1.9800e-003		92.0835

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.10 Final Paint - Interior - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0251	0.2748	9.2000e-004	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		92.0339	92.0339	1.9800e-003		92.0835
Total	0.0437	0.0251	0.2748	9.2000e-004	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		92.0339	92.0339	1.9800e-003		92.0835

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.10 Final Paint - Interior - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0251	0.2748	9.2000e-004	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		92.0339	92.0339	1.9800e-003		92.0835
Total	0.0437	0.0251	0.2748	9.2000e-004	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		92.0339	92.0339	1.9800e-003		92.0835

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.11 Asphalt Paving / Cure - Site Improvement - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1164					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0930	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

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	0.0873	0.0503	0.5497	1.8500e-003	0.2236	1.2800e-003	0.2248	0.0593	1.1800e-003	0.0605		184.0678	184.0678	3.9700e-003		184.1670
Total	0.0873	0.0503	0.5497	1.8500e-003	0.2236	1.2800e-003	0.2248	0.0593	1.1800e-003	0.0605		184.0678	184.0678	3.9700e-003		184.1670

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.11 Asphalt Paving / Cure - Site Improvement - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1164					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0930	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

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	0.0873	0.0503	0.5497	1.8500e-003	0.2236	1.2800e-003	0.2248	0.0593	1.1800e-003	0.0605		184.0678	184.0678	3.9700e-003		184.1670
Total	0.0873	0.0503	0.5497	1.8500e-003	0.2236	1.2800e-003	0.2248	0.0593	1.1800e-003	0.0605		184.0678	184.0678	3.9700e-003		184.1670

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.12 Striping - Site Improvement - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0251	0.2748	9.2000e-004	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		92.0339	92.0339	1.9800e-003		92.0835
Total	0.0437	0.0251	0.2748	9.2000e-004	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		92.0339	92.0339	1.9800e-003		92.0835

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

3.12 Striping - Site Improvement - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0251	0.2748	9.2000e-004	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		92.0339	92.0339	1.9800e-003		92.0835
Total	0.0437	0.0251	0.2748	9.2000e-004	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		92.0339	92.0339	1.9800e-003		92.0835

4.0 Operational Detail - Mobile

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5319	3.7625	6.3019	0.0303	2.5017	0.0177	2.5195	0.6693	0.0165	0.6858		3,102.2612	3,102.2612	0.1456		3,105.9017
Unmitigated	0.5319	3.7625	6.3019	0.0303	2.5017	0.0177	2.5195	0.6693	0.0165	0.6858		3,102.2612	3,102.2612	0.1456		3,105.9017

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	388.43	158.68	17.10	913,851	913,851
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Recreational	0.00	0.00	0.00		
Total	388.43	158.68	17.10	913,851	913,851

4.3 Trip Type Information

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

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
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Recreational	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
Other Non-Asphalt Surfaces	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
Parking Lot	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
User Defined Recreational	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
NaturalGas Unmitigated	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840

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					
Junior College (2Yr)	535.581	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	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		5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

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					
Junior College (2Yr)	0.535581	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	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		5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840

6.0 Area Detail

6.1 Mitigation Measures Area

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Unmitigated	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356

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	0.1437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Total	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Total	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356

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

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, 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

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

RCCD Ben Clark Training Center - Phase I
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	14.13	1000sqft	1.26	14,135.00	0
Other Non-Asphalt Surfaces	13.50	1000sqft	0.31	13,500.00	0
Parking Lot	84.00	Space	0.80	35,000.00	0
User Defined Recreational	41.00	User Defined Unit	0.94	41,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Riverside Public Utilities				
CO2 Intensity (lb/MWhr)	566.2	CH4 Intensity (lb/MWhr)	0.023	N2O Intensity (lb/MWhr)	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Section 1.0 Project Characteristics. GHG intensity factor adjusted for 2018 power content label assuming 36% renewables.

Land Use - Project-specific land uses.

Construction Phase - Utilites included in grading and building. Project specific schedule.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Trips and VMT - CalEEMod default values. Rounded up to even numbers.

On-road Fugitive Dust - CalEEMod default values.

Demolition - 247 tons of debris.

Grading - 2,200 C.Y. of import.

Architectural Coating - Adjusted per architectural coating phase. Adjusted Exterior and Interior to reflect project. CalEEMod User Guide calcs: $14135 * 2 * .75 = 21202.5$ $14135 * 2 * .25 = 7067.5$

Vehicle Trips - Project specific values.

Vehicle Emission Factors - CalEEMod default values.

Vehicle Emission Factors - CalEEMod default values.

Vehicle Emission Factors - CalEEMod default values.

Road Dust - CalEEMod default values.

Woodstoves - No hearths.

Consumer Products - CalEEMod default values.

Area Coating - CalEEMod default values.

Landscape Equipment - CalEEMod default values.

Energy Use - Adjusted per Title 24 2019 energy efficient reductions.

Water And Wastewater - CalEEMod default values.

Solid Waste - CalEEMod default values.

Construction Off-road Equipment Mitigation - Water exposed area 2x per day.

Mobile Land Use Mitigation - No mitigation applied.

Mobile Commute Mitigation - No mitigation applied.

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

Waste Mitigation - No mitigation applied.

Operational Off-Road Equipment - No off-road equipment.

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources.

Stationary Sources - Process Boilers -

Stationary Sources - Emergency Generators and Fire Pumps EF -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	14,130.00	14,135.00
tblLandUse	LandUseSquareFeet	33,600.00	35,000.00
tblLandUse	LandUseSquareFeet	0.00	41,000.00
tblLandUse	LotAcreage	0.32	1.26
tblLandUse	LotAcreage	0.76	0.80
tblLandUse	LotAcreage	0.00	0.94
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	1325.65	566.2
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	HaulingTripNumber	0.00	276.00
tblTripsAndVMT	VendorTripNumber	17.00	18.00
tblTripsAndVMT	VendorTripNumber	17.00	18.00
tblTripsAndVMT	VendorTripNumber	17.00	18.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00

2.0 Emissions Summary

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.9735	40.5457	22.1909	0.0573	18.2675	2.0457	20.3131	9.9840	1.8820	11.8660	0.0000	5,799.9945	5,799.9945	1.1966	0.0000	5,827.3215
2022	33.2741	44.1590	49.1566	0.0932	1.4377	2.1179	3.5556	0.3865	1.9841	2.3707	0.0000	8,997.0412	8,997.0412	1.8823	0.0000	9,044.0998
Maximum	33.2741	44.1590	49.1566	0.0932	18.2675	2.1179	20.3131	9.9840	1.9841	11.8660	0.0000	8,997.0412	8,997.0412	1.8823	0.0000	9,044.0998

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.9735	40.5457	22.1909	0.0573	8.3310	2.0457	10.3767	4.5222	1.8820	6.4042	0.0000	5,799.9945	5,799.9945	1.1966	0.0000	5,827.3215
2022	33.2741	44.1590	49.1566	0.0932	1.4377	2.1179	3.5556	0.3865	1.9841	2.3707	0.0000	8,997.0412	8,997.0412	1.8823	0.0000	9,044.0998
Maximum	33.2741	44.1590	49.1566	0.0932	8.3310	2.1179	10.3767	4.5222	1.9841	6.4042	0.0000	8,997.0412	8,997.0412	1.8823	0.0000	9,044.0998

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	50.43	0.00	41.63	52.67	0.00	38.36	0.00	0.00	0.00	0.00	0.00	0.00

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Energy	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
Mobile	0.6355	3.7819	7.2796	0.0329	2.5017	0.0176	2.5194	0.6693	0.0164	0.6857		3,358.5129	3,358.5129	0.1416		3,362.0535
Total	1.8953	3.8346	7.3393	0.0332	2.5017	0.0217	2.5234	0.6693	0.0205	0.6897		3,421.5559	3,421.5559	0.1429	1.1600e-003	3,425.4731

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	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Energy	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
Mobile	0.6355	3.7819	7.2796	0.0329	2.5017	0.0176	2.5194	0.6693	0.0164	0.6857		3,358.5129	3,358.5129	0.1416		3,362.0535
Total	1.8953	3.8346	7.3393	0.0332	2.5017	0.0217	2.5234	0.6693	0.0205	0.6897		3,421.5559	3,421.5559	0.1429	1.1600e-003	3,425.4731

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	9/15/2021	5	20	
2	Site Preparation	Site Preparation	9/16/2021	9/20/2021	5	5	
3	Grading / Over-excavation	Grading	9/21/2021	10/4/2021	5	8	
4	Structure	Building Construction	10/6/2021	3/2/2022	5	230	
5	Interiors	Building Construction	1/20/2022	8/3/2022	5	230	
6	Plaster Exterior - Structure	Architectural Coating	3/3/2022	3/23/2022	5	18	
7	Site Improvements	Building Construction	4/12/2022	7/6/2022	5	230	
8	Paint - Primer / 1st Coat - Interior	Architectural Coating	4/14/2022	4/20/2022	5	18	
9	Final Paint - Interior	Architectural Coating	6/3/2022	6/9/2022	5	18	
10	Asphalt Paving / Cure - Site Improvement	Paving	6/22/2022	6/30/2022	5	18	
11	Striping - Site Improvement	Architectural Coating	7/1/2022	7/5/2022	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.11

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 82,703; Non-Residential Outdoor: 27,568; Striped Parking Area: 2,910 (Architectural Coating – sqft)

OffRoad Equipment

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading / Over-excavation	Excavators	1	8.00	158	0.38
Grading / Over-excavation	Graders	1	8.00	187	0.41
Grading / Over-excavation	Rubber Tired Dozers	1	8.00	247	0.40
Grading / Over-excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Structure	Cranes	1	7.00	231	0.29
Structure	Forklifts	3	8.00	89	0.20
Structure	Generator Sets	1	8.00	84	0.74
Structure	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Structure	Welders	1	8.00	46	0.45
Interiors	Cranes	1	7.00	231	0.29
Interiors	Forklifts	3	8.00	89	0.20
Interiors	Generator Sets	1	8.00	84	0.74
Interiors	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Interiors	Welders	1	8.00	46	0.45
Plaster Exterior - Structure	Air Compressors	1	6.00	78	0.48
Site Improvements	Cranes	1	7.00	231	0.29
Site Improvements	Forklifts	3	8.00	89	0.20
Site Improvements	Generator Sets	1	8.00	84	0.74
Site Improvements	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Site Improvements	Welders	1	8.00	46	0.45
Paint - Primer / 1st Coat - Interior	Air Compressors	1	6.00	78	0.48

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

Final Paint - Interior	Air Compressors	1	6.00	78	0.48
Asphalt Paving / Cure - Site Improvement	Cement and Mortar Mixers	2	6.00	9	0.56
Asphalt Paving / Cure - Site Improvement	Pavers	1	8.00	130	0.42
Asphalt Paving / Cure - Site Improvement	Paving Equipment	2	6.00	132	0.36
Asphalt Paving / Cure - Site Improvement	Rollers	2	6.00	80	0.38
Asphalt Paving / Cure - Site Improvement	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Striping - Site Improvement	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	24.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading / Over-excavation	6	16.00	0.00	276.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structure	9	44.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Interiors	9	44.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Plaster Exterior - Structure	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Improvements	9	44.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paint - Primer / 1st Coat - Interior	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Final Paint - Interior	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving / Cure - Site Improvement	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Striping - Site Improvement	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2659	0.0000	0.2659	0.0403	0.0000	0.0403			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.2659	1.5513	1.8173	0.0403	1.4411	1.4814		3,747.9449	3,747.9449	1.0549		3,774.3174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.8400e-003	0.2608	0.0343	9.0000e-004	0.0340	7.9000e-004	0.0348	8.9400e-003	7.6000e-004	9.7000e-003		95.9202	95.9202	5.5700e-003		96.0595
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0759	0.0432	0.5915	1.7100e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		170.3602	170.3602	4.0600e-003		170.4617
Total	0.0817	0.3040	0.6258	2.6100e-003	0.2128	1.8400e-003	0.2147	0.0564	1.7300e-003	0.0581		266.2804	266.2804	9.6300e-003		266.5212

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1197	0.0000	0.1197	0.0181	0.0000	0.0181			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.1197	1.5513	1.6710	0.0181	1.4411	1.4592	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.8400e-003	0.2608	0.0343	9.0000e-004	0.0340	7.9000e-004	0.0348	8.9400e-003	7.6000e-004	9.7000e-003		95.9202	95.9202	5.5700e-003		96.0595
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0759	0.0432	0.5915	1.7100e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		170.3602	170.3602	4.0600e-003		170.4617
Total	0.0817	0.3040	0.6258	2.6100e-003	0.2128	1.8400e-003	0.2147	0.0564	1.7300e-003	0.0581		266.2804	266.2804	9.6300e-003		266.5212

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

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	0.0853	0.0486	0.6655	1.9200e-003	0.2012	1.1900e-003	0.2024	0.0534	1.0900e-003	0.0545		191.6552	191.6552	4.5700e-003		191.7694
Total	0.0853	0.0486	0.6655	1.9200e-003	0.2012	1.1900e-003	0.2024	0.0534	1.0900e-003	0.0545		191.6552	191.6552	4.5700e-003		191.7694

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.3 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	8.1298	2.0445	10.1743	4.4688	1.8809	6.3497	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

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	0.0853	0.0486	0.6655	1.9200e-003	0.2012	1.1900e-003	0.2024	0.0534	1.0900e-003	0.0545		191.6552	191.6552	4.5700e-003		191.7694
Total	0.0853	0.0486	0.6655	1.9200e-003	0.2012	1.1900e-003	0.2024	0.0534	1.0900e-003	0.0545		191.6552	191.6552	4.5700e-003		191.7694

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.4 Grading / Over-excavation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346		2,871.9285	2,871.9285	0.9288		2,895.1495

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1679	7.4988	0.9861	0.0260	0.5123	0.0228	0.5351	0.1430	0.0218	0.1649		2,757.7059	2,757.7059	0.1602		2,761.7103
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0759	0.0432	0.5915	1.7100e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		170.3602	170.3602	4.0600e-003		170.4617
Total	0.2438	7.5420	1.5776	0.0277	0.6911	0.0239	0.7150	0.1905	0.0228	0.2133		2,928.0660	2,928.0660	0.1642		2,932.1720

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.4 Grading / Over-excavation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	2.9486	1.1599	4.1085	1.5154	1.0671	2.5825	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1679	7.4988	0.9861	0.0260	0.5123	0.0228	0.5351	0.1430	0.0218	0.1649		2,757.7059	2,757.7059	0.1602		2,761.7103
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0759	0.0432	0.5915	1.7100e-003	0.1788	1.0500e-003	0.1799	0.0474	9.7000e-004	0.0484		170.3602	170.3602	4.0600e-003		170.4617
Total	0.2438	7.5420	1.5776	0.0277	0.6911	0.0239	0.7150	0.1905	0.0228	0.2133		2,928.0660	2,928.0660	0.1642		2,932.1720

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.5 Structure - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0420	1.6657	0.2972	4.6600e-003	0.1153	3.1700e-003	0.1184	0.0332	3.0300e-003	0.0362		491.8518	491.8518	0.0352		492.7315
Worker	0.2086	0.1188	1.6267	4.7000e-003	0.4918	2.9000e-003	0.4947	0.1304	2.6700e-003	0.1331		468.4904	468.4904	0.0112		468.7697
Total	0.2506	1.7845	1.9239	9.3600e-003	0.6071	6.0700e-003	0.6131	0.1636	5.7000e-003	0.1693		960.3422	960.3422	0.0464		961.5012

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.5 Structure - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0420	1.6657	0.2972	4.6600e-003	0.1153	3.1700e-003	0.1184	0.0332	3.0300e-003	0.0362		491.8518	491.8518	0.0352		492.7315
Worker	0.2086	0.1188	1.6267	4.7000e-003	0.4918	2.9000e-003	0.4947	0.1304	2.6700e-003	0.1331		468.4904	468.4904	0.0112		468.7697
Total	0.2506	1.7845	1.9239	9.3600e-003	0.6071	6.0700e-003	0.6131	0.1636	5.7000e-003	0.1693		960.3422	960.3422	0.0464		961.5012

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.5 Structure - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.5715	0.2764	4.6200e-003	0.1153	2.6600e-003	0.1179	0.0332	2.5500e-003	0.0357		487.6653	487.6653	0.0333		488.4984
Worker	0.1951	0.1070	1.5004	4.5300e-003	0.4918	2.8200e-003	0.4946	0.1304	2.6000e-003	0.1330		451.3723	451.3723	0.0100		451.6231
Total	0.2343	1.6785	1.7769	9.1500e-003	0.6071	5.4800e-003	0.6126	0.1636	5.1500e-003	0.1688		939.0376	939.0376	0.0434		940.1216

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.5 Structure - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.5715	0.2764	4.6200e-003	0.1153	2.6600e-003	0.1179	0.0332	2.5500e-003	0.0357		487.6653	487.6653	0.0333		488.4984
Worker	0.1951	0.1070	1.5004	4.5300e-003	0.4918	2.8200e-003	0.4946	0.1304	2.6000e-003	0.1330		451.3723	451.3723	0.0100		451.6231
Total	0.2343	1.6785	1.7769	9.1500e-003	0.6071	5.4800e-003	0.6126	0.1636	5.1500e-003	0.1688		939.0376	939.0376	0.0434		940.1216

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.6 Interiors - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.5715	0.2764	4.6200e-003	0.1153	2.6600e-003	0.1179	0.0332	2.5500e-003	0.0357		487.6653	487.6653	0.0333		488.4984
Worker	0.1951	0.1070	1.5004	4.5300e-003	0.4918	2.8200e-003	0.4946	0.1304	2.6000e-003	0.1330		451.3723	451.3723	0.0100		451.6231
Total	0.2343	1.6785	1.7769	9.1500e-003	0.6071	5.4800e-003	0.6126	0.1636	5.1500e-003	0.1688		939.0376	939.0376	0.0434		940.1216

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.6 Interiors - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.5715	0.2764	4.6200e-003	0.1153	2.6600e-003	0.1179	0.0332	2.5500e-003	0.0357		487.6653	487.6653	0.0333		488.4984
Worker	0.1951	0.1070	1.5004	4.5300e-003	0.4918	2.8200e-003	0.4946	0.1304	2.6000e-003	0.1330		451.3723	451.3723	0.0100		451.6231
Total	0.2343	1.6785	1.7769	9.1500e-003	0.6071	5.4800e-003	0.6126	0.1636	5.1500e-003	0.1688		939.0376	939.0376	0.0434		940.1216

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.7 Plaster Exterior - Structure - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0243	0.3410	1.0300e-003	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		102.5846	102.5846	2.2800e-003		102.6416
Total	0.0444	0.0243	0.3410	1.0300e-003	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		102.5846	102.5846	2.2800e-003		102.6416

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.7 Plaster Exterior - Structure - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0243	0.3410	1.0300e-003	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		102.5846	102.5846	2.2800e-003		102.6416
Total	0.0444	0.0243	0.3410	1.0300e-003	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		102.5846	102.5846	2.2800e-003		102.6416

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.8 Site Improvements - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.5715	0.2764	4.6200e-003	0.1153	2.6600e-003	0.1179	0.0332	2.5500e-003	0.0357		487.6653	487.6653	0.0333		488.4984
Worker	0.1951	0.1070	1.5004	4.5300e-003	0.4918	2.8200e-003	0.4946	0.1304	2.6000e-003	0.1330		451.3723	451.3723	0.0100		451.6231
Total	0.2343	1.6785	1.7769	9.1500e-003	0.6071	5.4800e-003	0.6126	0.1636	5.1500e-003	0.1688		939.0376	939.0376	0.0434		940.1216

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.8 Site Improvements - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.5715	0.2764	4.6200e-003	0.1153	2.6600e-003	0.1179	0.0332	2.5500e-003	0.0357		487.6653	487.6653	0.0333		488.4984
Worker	0.1951	0.1070	1.5004	4.5300e-003	0.4918	2.8200e-003	0.4946	0.1304	2.6000e-003	0.1330		451.3723	451.3723	0.0100		451.6231
Total	0.2343	1.6785	1.7769	9.1500e-003	0.6071	5.4800e-003	0.6126	0.1636	5.1500e-003	0.1688		939.0376	939.0376	0.0434		940.1216

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.9 Paint - Primer / 1st Coat - Interior - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0243	0.3410	1.0300e-003	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		102.5846	102.5846	2.2800e-003		102.6416
Total	0.0444	0.0243	0.3410	1.0300e-003	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		102.5846	102.5846	2.2800e-003		102.6416

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.9 Paint - Primer / 1st Coat - Interior - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0243	0.3410	1.0300e-003	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		102.5846	102.5846	2.2800e-003		102.6416
Total	0.0444	0.0243	0.3410	1.0300e-003	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		102.5846	102.5846	2.2800e-003		102.6416

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.10 Final Paint - Interior - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0243	0.3410	1.0300e-003	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		102.5846	102.5846	2.2800e-003		102.6416
Total	0.0444	0.0243	0.3410	1.0300e-003	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		102.5846	102.5846	2.2800e-003		102.6416

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.10 Final Paint - Interior - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0243	0.3410	1.0300e-003	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		102.5846	102.5846	2.2800e-003		102.6416
Total	0.0444	0.0243	0.3410	1.0300e-003	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		102.5846	102.5846	2.2800e-003		102.6416

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.11 Asphalt Paving / Cure - Site Improvement - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1164					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0930	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

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	0.0887	0.0486	0.6820	2.0600e-003	0.2236	1.2800e-003	0.2248	0.0593	1.1800e-003	0.0605		205.1692	205.1692	4.5600e-003		205.2832
Total	0.0887	0.0486	0.6820	2.0600e-003	0.2236	1.2800e-003	0.2248	0.0593	1.1800e-003	0.0605		205.1692	205.1692	4.5600e-003		205.2832

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.11 Asphalt Paving / Cure - Site Improvement - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1164					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0930	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

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	0.0887	0.0486	0.6820	2.0600e-003	0.2236	1.2800e-003	0.2248	0.0593	1.1800e-003	0.0605		205.1692	205.1692	4.5600e-003		205.2832
Total	0.0887	0.0486	0.6820	2.0600e-003	0.2236	1.2800e-003	0.2248	0.0593	1.1800e-003	0.0605		205.1692	205.1692	4.5600e-003		205.2832

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.12 Striping - Site Improvement - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0243	0.3410	1.0300e-003	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		102.5846	102.5846	2.2800e-003		102.6416
Total	0.0444	0.0243	0.3410	1.0300e-003	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		102.5846	102.5846	2.2800e-003		102.6416

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

3.12 Striping - Site Improvement - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0243	0.3410	1.0300e-003	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		102.5846	102.5846	2.2800e-003		102.6416
Total	0.0444	0.0243	0.3410	1.0300e-003	0.1118	6.4000e-004	0.1124	0.0296	5.9000e-004	0.0302		102.5846	102.5846	2.2800e-003		102.6416

4.0 Operational Detail - Mobile

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6355	3.7819	7.2796	0.0329	2.5017	0.0176	2.5194	0.6693	0.0164	0.6857		3,358.5129	3,358.5129	0.1416		3,362.0535
Unmitigated	0.6355	3.7819	7.2796	0.0329	2.5017	0.0176	2.5194	0.6693	0.0164	0.6857		3,358.5129	3,358.5129	0.1416		3,362.0535

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	388.43	158.68	17.10	913,851	913,851
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Recreational	0.00	0.00	0.00		
Total	388.43	158.68	17.10	913,851	913,851

4.3 Trip Type Information

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

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
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Recreational	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
Other Non-Asphalt Surfaces	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
Parking Lot	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
User Defined Recreational	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
NaturalGas Unmitigated	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840

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					
Junior College (2Yr)	535.581	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	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		5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas

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					
Junior College (2Yr)	0.535581	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	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		5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840

6.0 Area Detail

6.1 Mitigation Measures Area

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Unmitigated	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356

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	0.1437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Total	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Total	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356

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

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

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

Equipment Type	Number
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11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	14.13	1000sqft	1.26	14,135.00	0
Other Non-Asphalt Surfaces	13.50	1000sqft	0.31	13,500.00	0
Parking Lot	84.00	Space	0.80	35,000.00	0
User Defined Recreational	41.00	User Defined Unit	0.94	41,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Riverside Public Utilities				
CO2 Intensity (lb/MWhr)	566.2	CH4 Intensity (lb/MWhr)	0.023	N2O Intensity (lb/MWhr)	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Section 1.0 Project Characteristics. GHG intensity factor adjusted for 2018 power content label assuming 36% renewables.

Land Use - Project-specific land uses.

Construction Phase - Utilites included in grading and building. Project specific schedule.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

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Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Trips and VMT - CalEEMod default values. Rounded up to even numbers.

On-road Fugitive Dust - CalEEMod default values.

Demolition - 247 tons of debris.

Grading - 2,200 C.Y. of import.

Architectural Coating - Adjusted per architectural coating phase. Adjusted Exterior and Interior to reflect project. CalEEMod User Guide calcs: $14135 * 2 * .75 = 21202.5$ $14135 * 2 * .25 = 7067.5$

Vehicle Trips - Project specific values.

Vehicle Emission Factors - CalEEMod default values.

Vehicle Emission Factors - CalEEMod default values.

Vehicle Emission Factors - CalEEMod default values.

Road Dust - CalEEMod default values.

Woodstoves - No hearths.

Consumer Products - CalEEMod default values.

Area Coating - CalEEMod default values.

Landscape Equipment - CalEEMod default values.

Energy Use - Adjusted per Title 24 2019 energy efficient reductions.

Water And Wastewater - CalEEMod default values.

Solid Waste - CalEEMod default values.

Construction Off-road Equipment Mitigation - Water exposed area 2x per day.

Mobile Land Use Mitigation - No mitigation applied.

Mobile Commute Mitigation - No mitigation applied.

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Waste Mitigation - No mitigation applied.

Operational Off-Road Equipment - No off-road equipment.

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources.

Stationary Sources - Process Boilers -

Stationary Sources - Emergency Generators and Fire Pumps EF -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	14,130.00	14,135.00
tblLandUse	LandUseSquareFeet	33,600.00	35,000.00
tblLandUse	LandUseSquareFeet	0.00	41,000.00
tblLandUse	LotAcreage	0.32	1.26
tblLandUse	LotAcreage	0.76	0.80
tblLandUse	LotAcreage	0.00	0.94
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	1325.65	566.2
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	HaulingTripNumber	0.00	276.00
tblTripsAndVMT	VendorTripNumber	17.00	18.00
tblTripsAndVMT	VendorTripNumber	17.00	18.00
tblTripsAndVMT	VendorTripNumber	17.00	18.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1036	1.0037	0.8172	1.7000e-003	0.0850	0.0479	0.1329	0.0384	0.0448	0.0831	0.0000	150.4446	150.4446	0.0309	0.0000	151.2164
2022	0.6511	2.1742	2.2718	4.4900e-003	0.0755	0.1026	0.1781	0.0204	0.0966	0.1170	0.0000	394.4619	394.4619	0.0750	0.0000	396.3361
Maximum	0.6511	2.1742	2.2718	4.4900e-003	0.0850	0.1026	0.1781	0.0384	0.0966	0.1170	0.0000	394.4619	394.4619	0.0750	0.0000	396.3361

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1036	1.0037	0.8172	1.7000e-003	0.0513	0.0479	0.0992	0.0208	0.0448	0.0656	0.0000	150.4445	150.4445	0.0309	0.0000	151.2162
2022	0.6511	2.1742	2.2718	4.4900e-003	0.0755	0.1026	0.1781	0.0204	0.0966	0.1170	0.0000	394.4615	394.4615	0.0750	0.0000	396.3358
Maximum	0.6511	2.1742	2.2718	4.4900e-003	0.0755	0.1026	0.1781	0.0208	0.0966	0.1170	0.0000	394.4615	394.4615	0.0750	0.0000	396.3358

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	21.02	0.00	10.84	29.94	0.00	8.79	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2021	9-30-2021	0.3913	0.3913
2	10-1-2021	12-31-2021	0.7134	0.7134
3	1-1-2022	3-31-2022	1.8089	1.8089
4	4-1-2022	6-30-2022	1.3634	1.3634
5	7-1-2022	9-30-2022	0.3298	0.3298
		Highest	1.8089	1.8089

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	0.2288	2.0000e-005	1.9500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7900e-003	3.7900e-003	1.0000e-005	0.0000	4.0400e-003
Energy	1.0500e-003	9.5800e-003	8.0500e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	42.1841	42.1841	1.4900e-003	4.7000e-004	42.3619
Mobile	0.0757	0.5424	0.9211	4.4000e-003	0.3489	2.5000e-003	0.3514	0.0935	2.3300e-003	0.0958	0.0000	408.2719	408.2719	0.0182	0.0000	408.7277
Waste						0.0000	0.0000		0.0000	0.0000	3.7289	0.0000	3.7289	0.2204	0.0000	9.2383
Water						0.0000	0.0000		0.0000	0.0000	0.2199	5.4107	5.6306	0.0228	5.8000e-004	6.3738
Total	0.3055	0.5520	0.9311	4.4600e-003	0.3489	3.2400e-003	0.3521	0.0935	3.0700e-003	0.0965	3.9488	455.8704	459.8193	0.2629	1.0500e-003	466.7057

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2288	2.0000e-005	1.9500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7900e-003	3.7900e-003	1.0000e-005	0.0000	4.0400e-003
Energy	1.0500e-003	9.5800e-003	8.0500e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	42.1841	42.1841	1.4900e-003	4.7000e-004	42.3619
Mobile	0.0757	0.5424	0.9211	4.4000e-003	0.3489	2.5000e-003	0.3514	0.0935	2.3300e-003	0.0958	0.0000	408.2719	408.2719	0.0182	0.0000	408.7277
Waste						0.0000	0.0000		0.0000	0.0000	3.7289	0.0000	3.7289	0.2204	0.0000	9.2383
Water						0.0000	0.0000		0.0000	0.0000	0.2199	5.4107	5.6306	0.0228	5.8000e-004	6.3738
Total	0.3055	0.5520	0.9311	4.4600e-003	0.3489	3.2400e-003	0.3521	0.0935	3.0700e-003	0.0965	3.9488	455.8704	459.8193	0.2629	1.0500e-003	466.7057

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

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	9/15/2021	5	20	
2	Site Preparation	Site Preparation	9/16/2021	9/20/2021	5	5	
3	Grading / Over-excavation	Grading	9/21/2021	10/4/2021	5	8	
4	Structure	Building Construction	10/6/2021	3/2/2022	5	230	
5	Interiors	Building Construction	1/20/2022	8/3/2022	5	230	
6	Plaster Exterior - Structure	Architectural Coating	3/3/2022	3/23/2022	5	18	
7	Site Improvements	Building Construction	4/12/2022	7/6/2022	5	230	
8	Paint - Primer / 1st Coat - Interior	Architectural Coating	4/14/2022	4/20/2022	5	18	
9	Final Paint - Interior	Architectural Coating	6/3/2022	6/9/2022	5	18	
10	Asphalt Paving / Cure - Site Improvement	Paving	6/22/2022	6/30/2022	5	18	
11	Striping - Site Improvement	Architectural Coating	7/1/2022	7/5/2022	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.11

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 82,703; Non-Residential Outdoor: 27,568; Striped Parking Area: 2,910 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

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Grading / Over-excavation	Excavators	1	8.00	158	0.38
Grading / Over-excavation	Graders	1	8.00	187	0.41
Grading / Over-excavation	Rubber Tired Dozers	1	8.00	247	0.40
Grading / Over-excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Structure	Cranes	1	7.00	231	0.29
Structure	Forklifts	3	8.00	89	0.20
Structure	Generator Sets	1	8.00	84	0.74
Structure	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Structure	Welders	1	8.00	46	0.45
Interiors	Cranes	1	7.00	231	0.29
Interiors	Forklifts	3	8.00	89	0.20
Interiors	Generator Sets	1	8.00	84	0.74
Interiors	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Interiors	Welders	1	8.00	46	0.45
Plaster Exterior - Structure	Air Compressors	1	6.00	78	0.48
Site Improvements	Cranes	1	7.00	231	0.29
Site Improvements	Forklifts	3	8.00	89	0.20
Site Improvements	Generator Sets	1	8.00	84	0.74
Site Improvements	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Site Improvements	Welders	1	8.00	46	0.45
Paint - Primer / 1st Coat - Interior	Air Compressors	1	6.00	78	0.48
Final Paint - Interior	Air Compressors	1	6.00	78	0.48
Asphalt Paving / Cure - Site Improvement	Cement and Mortar Mixers	2	6.00	9	0.56
Asphalt Paving / Cure - Site Improvement	Pavers	1	8.00	130	0.42
Asphalt Paving / Cure - Site Improvement	Paving Equipment	2	6.00	132	0.36
Asphalt Paving / Cure - Site Improvement	Rollers	2	6.00	80	0.38

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Asphalt Paving / Cure - Site Improvement	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Striping - Site Improvement	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	24.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading / Over-excavation	6	16.00	0.00	276.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structure	9	44.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Interiors	9	44.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Plaster Exterior - Structure	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Improvements	9	44.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paint - Primer / 1st Coat - Interior	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Final Paint - Interior	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving / Cure - Site Improvement	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Striping - Site Improvement	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.4600e-003	0.0000	1.4600e-003	2.2000e-004	0.0000	2.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0174	0.1729	0.1186	2.1000e-004		8.5300e-003	8.5300e-003		7.9300e-003	7.9300e-003	0.0000	18.7004	18.7004	5.2600e-003	0.0000	18.8320
Total	0.0174	0.1729	0.1186	2.1000e-004	1.4600e-003	8.5300e-003	9.9900e-003	2.2000e-004	7.9300e-003	8.1500e-003	0.0000	18.7004	18.7004	5.2600e-003	0.0000	18.8320

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	3.0000e-005	1.4700e-003	2.0000e-004	0.0000	1.8000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.4736	0.4736	3.0000e-005	0.0000	0.4743
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	2.5000e-004	2.7700e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.7000e-004	2.6000e-004	1.0000e-005	2.6000e-004	0.0000	0.7822	0.7822	2.0000e-005	0.0000	0.7826
Total	4.1000e-004	1.7200e-003	2.9700e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	1.2557	1.2557	5.0000e-005	0.0000	1.2569

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3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.6000e-004	0.0000	6.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0174	0.1729	0.1186	2.1000e-004		8.5300e-003	8.5300e-003		7.9300e-003	7.9300e-003	0.0000	18.7004	18.7004	5.2600e-003	0.0000	18.8320
Total	0.0174	0.1729	0.1186	2.1000e-004	6.6000e-004	8.5300e-003	9.1900e-003	1.0000e-004	7.9300e-003	8.0300e-003	0.0000	18.7004	18.7004	5.2600e-003	0.0000	18.8320

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	3.0000e-005	1.4700e-003	2.0000e-004	0.0000	1.8000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.4736	0.4736	3.0000e-005	0.0000	0.4743
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	2.5000e-004	2.7700e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.7000e-004	2.6000e-004	1.0000e-005	2.6000e-004	0.0000	0.7822	0.7822	2.0000e-005	0.0000	0.7826
Total	4.1000e-004	1.7200e-003	2.9700e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	1.2557	1.2557	5.0000e-005	0.0000	1.2569

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3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0271	0.0000	0.0271	0.0149	0.0000	0.0149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8300e-003	0.0608	0.0317	6.0000e-005		3.0700e-003	3.0700e-003		2.8200e-003	2.8200e-003	0.0000	5.0154	5.0154	1.6200e-003	0.0000	5.0559
Total	5.8300e-003	0.0608	0.0317	6.0000e-005	0.0271	3.0700e-003	0.0302	0.0149	2.8200e-003	0.0177	0.0000	5.0154	5.0154	1.6200e-003	0.0000	5.0559

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	1.2000e-004	8.0000e-005	8.5000e-004	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2400	0.2400	1.0000e-005	0.0000	0.2401
Total	1.2000e-004	8.0000e-005	8.5000e-004	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2400	0.2400	1.0000e-005	0.0000	0.2401

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3.3 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0122	0.0000	0.0122	6.7000e-003	0.0000	6.7000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8300e-003	0.0608	0.0317	6.0000e-005		3.0700e-003	3.0700e-003		2.8200e-003	2.8200e-003	0.0000	5.0154	5.0154	1.6200e-003	0.0000	5.0559
Total	5.8300e-003	0.0608	0.0317	6.0000e-005	0.0122	3.0700e-003	0.0153	6.7000e-003	2.8200e-003	9.5200e-003	0.0000	5.0154	5.0154	1.6200e-003	0.0000	5.0559

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	1.2000e-004	8.0000e-005	8.5000e-004	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2400	0.2400	1.0000e-005	0.0000	0.2401
Total	1.2000e-004	8.0000e-005	8.5000e-004	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2400	0.2400	1.0000e-005	0.0000	0.2401

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3.4 Grading / Over-excavation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0328	0.0000	0.0328	0.0168	0.0000	0.0168	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0115	0.1237	0.0793	1.5000e-004		5.8000e-003	5.8000e-003		5.3400e-003	5.3400e-003	0.0000	13.0269	13.0269	4.2100e-003	0.0000	13.1322
Total	0.0115	0.1237	0.0793	1.5000e-004	0.0328	5.8000e-003	0.0386	0.0168	5.3400e-003	0.0222	0.0000	13.0269	13.0269	4.2100e-003	0.0000	13.1322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.6000e-004	0.0383	5.2800e-003	1.3000e-004	2.5300e-003	1.1000e-004	2.6400e-003	7.1000e-004	1.1000e-004	8.2000e-004	0.0000	12.3768	12.3768	7.6000e-004	0.0000	12.3956
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.3000e-004	2.5200e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.7111	0.7111	2.0000e-005	0.0000	0.7115
Total	1.2000e-003	0.0386	7.8000e-003	1.4000e-004	3.4100e-003	1.2000e-004	3.5200e-003	9.4000e-004	1.1000e-004	1.0600e-003	0.0000	13.0878	13.0878	7.8000e-004	0.0000	13.1071

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3.4 Grading / Over-excavation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0147	0.0000	0.0147	7.5800e-003	0.0000	7.5800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0115	0.1237	0.0793	1.5000e-004		5.8000e-003	5.8000e-003		5.3400e-003	5.3400e-003	0.0000	13.0268	13.0268	4.2100e-003	0.0000	13.1322
Total	0.0115	0.1237	0.0793	1.5000e-004	0.0147	5.8000e-003	0.0205	7.5800e-003	5.3400e-003	0.0129	0.0000	13.0268	13.0268	4.2100e-003	0.0000	13.1322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.6000e-004	0.0383	5.2800e-003	1.3000e-004	2.5300e-003	1.1000e-004	2.6400e-003	7.1000e-004	1.1000e-004	8.2000e-004	0.0000	12.3768	12.3768	7.6000e-004	0.0000	12.3956
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.3000e-004	2.5200e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.7111	0.7111	2.0000e-005	0.0000	0.7115
Total	1.2000e-003	0.0386	7.8000e-003	1.4000e-004	3.4100e-003	1.2000e-004	3.5200e-003	9.4000e-004	1.1000e-004	1.0600e-003	0.0000	13.0878	13.0878	7.8000e-004	0.0000	13.1071

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3.5 Structure - 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	0.0599	0.5491	0.5221	8.5000e-004		0.0302	0.0302		0.0284	0.0284	0.0000	72.9657	72.9657	0.0176	0.0000	73.4058
Total	0.0599	0.5491	0.5221	8.5000e-004		0.0302	0.0302		0.0284	0.0284	0.0000	72.9657	72.9657	0.0176	0.0000	73.4058

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0529	0.0102	1.4000e-004	3.5800e-003	1.0000e-004	3.6800e-003	1.0300e-003	1.0000e-004	1.1300e-003	0.0000	13.8333	13.8333	1.0600e-003	0.0000	13.8597
Worker	5.9400e-003	4.0000e-003	0.0436	1.4000e-004	0.0152	9.0000e-005	0.0153	4.0500e-003	8.0000e-005	4.1300e-003	0.0000	12.3194	12.3194	2.9000e-004	0.0000	12.3266
Total	7.2900e-003	0.0569	0.0538	2.8000e-004	0.0188	1.9000e-004	0.0190	5.0800e-003	1.8000e-004	5.2600e-003	0.0000	26.1527	26.1527	1.3500e-003	0.0000	26.1862

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3.5 Structure - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0599	0.5491	0.5221	8.5000e-004		0.0302	0.0302		0.0284	0.0284	0.0000	72.9657	72.9657	0.0176	0.0000	73.4057
Total	0.0599	0.5491	0.5221	8.5000e-004		0.0302	0.0302		0.0284	0.0284	0.0000	72.9657	72.9657	0.0176	0.0000	73.4057

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3500e-003	0.0529	0.0102	1.4000e-004	3.5800e-003	1.0000e-004	3.6800e-003	1.0300e-003	1.0000e-004	1.1300e-003	0.0000	13.8333	13.8333	1.0600e-003	0.0000	13.8597
Worker	5.9400e-003	4.0000e-003	0.0436	1.4000e-004	0.0152	9.0000e-005	0.0153	4.0500e-003	8.0000e-005	4.1300e-003	0.0000	12.3194	12.3194	2.9000e-004	0.0000	12.3266
Total	7.2900e-003	0.0569	0.0538	2.8000e-004	0.0188	1.9000e-004	0.0190	5.0800e-003	1.8000e-004	5.2600e-003	0.0000	26.1527	26.1527	1.3500e-003	0.0000	26.1862

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3.5 Structure - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0367	0.3357	0.3518	5.8000e-004		0.0174	0.0174		0.0164	0.0164	0.0000	49.8209	49.8209	0.0119	0.0000	50.1193
Total	0.0367	0.3357	0.3518	5.8000e-004		0.0174	0.0174		0.0164	0.0164	0.0000	49.8209	49.8209	0.0119	0.0000	50.1193

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	8.6000e-004	0.0340	6.4700e-003	1.0000e-004	2.4400e-003	6.0000e-005	2.5000e-003	7.1000e-004	6.0000e-005	7.6000e-004	0.0000	9.3606	9.3606	6.8000e-004	0.0000	9.3776
Worker	3.8000e-003	2.4600e-003	0.0274	9.0000e-005	0.0104	6.0000e-005	0.0105	2.7600e-003	6.0000e-005	2.8200e-003	0.0000	8.1017	8.1017	1.8000e-004	0.0000	8.1061
Total	4.6600e-003	0.0365	0.0339	1.9000e-004	0.0128	1.2000e-004	0.0130	3.4700e-003	1.2000e-004	3.5800e-003	0.0000	17.4622	17.4622	8.6000e-004	0.0000	17.4837

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3.5 Structure - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0367	0.3357	0.3518	5.8000e-004		0.0174	0.0174		0.0164	0.0164	0.0000	49.8209	49.8209	0.0119	0.0000	50.1193
Total	0.0367	0.3357	0.3518	5.8000e-004		0.0174	0.0174		0.0164	0.0164	0.0000	49.8209	49.8209	0.0119	0.0000	50.1193

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	8.6000e-004	0.0340	6.4700e-003	1.0000e-004	2.4400e-003	6.0000e-005	2.5000e-003	7.1000e-004	6.0000e-005	7.6000e-004	0.0000	9.3606	9.3606	6.8000e-004	0.0000	9.3776
Worker	3.8000e-003	2.4600e-003	0.0274	9.0000e-005	0.0104	6.0000e-005	0.0105	2.7600e-003	6.0000e-005	2.8200e-003	0.0000	8.1017	8.1017	1.8000e-004	0.0000	8.1061
Total	4.6600e-003	0.0365	0.0339	1.9000e-004	0.0128	1.2000e-004	0.0130	3.4700e-003	1.2000e-004	3.5800e-003	0.0000	17.4622	17.4622	8.6000e-004	0.0000	17.4837

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3.6 Interiors - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1194	1.0931	1.1454	1.8900e-003		0.0566	0.0566		0.0533	0.0533	0.0000	162.2077	162.2077	0.0389	0.0000	163.1792
Total	0.1194	1.0931	1.1454	1.8900e-003		0.0566	0.0566		0.0533	0.0533	0.0000	162.2077	162.2077	0.0389	0.0000	163.1792

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	2.8000e-003	0.1107	0.0211	3.2000e-004	7.9600e-003	1.9000e-004	8.1500e-003	2.3000e-003	1.8000e-004	2.4800e-003	0.0000	30.4762	30.4762	2.2200e-003	0.0000	30.5317
Worker	0.0124	8.0100e-003	0.0893	2.9000e-004	0.0339	2.0000e-004	0.0341	8.9900e-003	1.8000e-004	9.1700e-003	0.0000	26.3775	26.3775	5.7000e-004	0.0000	26.3918
Total	0.0152	0.1187	0.1104	6.1000e-004	0.0418	3.9000e-004	0.0422	0.0113	3.6000e-004	0.0117	0.0000	56.8537	56.8537	2.7900e-003	0.0000	56.9235

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3.6 Interiors - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1194	1.0931	1.1454	1.8900e-003		0.0566	0.0566		0.0533	0.0533	0.0000	162.2075	162.2075	0.0389	0.0000	163.1790
Total	0.1194	1.0931	1.1454	1.8900e-003		0.0566	0.0566		0.0533	0.0533	0.0000	162.2075	162.2075	0.0389	0.0000	163.1790

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	2.8000e-003	0.1107	0.0211	3.2000e-004	7.9600e-003	1.9000e-004	8.1500e-003	2.3000e-003	1.8000e-004	2.4800e-003	0.0000	30.4762	30.4762	2.2200e-003	0.0000	30.5317
Worker	0.0124	8.0100e-003	0.0893	2.9000e-004	0.0339	2.0000e-004	0.0341	8.9900e-003	1.8000e-004	9.1700e-003	0.0000	26.3775	26.3775	5.7000e-004	0.0000	26.3918
Total	0.0152	0.1187	0.1104	6.1000e-004	0.0418	3.9000e-004	0.0422	0.0113	3.6000e-004	0.0117	0.0000	56.8537	56.8537	2.7900e-003	0.0000	56.9235

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3.7 Plaster Exterior - Structure - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2186					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5300e-003	0.0106	0.0136	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	1.9149	1.9149	1.2000e-004	0.0000	1.9181
Total	0.2201	0.0106	0.0136	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	1.9149	1.9149	1.2000e-004	0.0000	1.9181

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	3.0000e-004	1.9000e-004	2.1700e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6423	0.6423	1.0000e-005	0.0000	0.6427
Total	3.0000e-004	1.9000e-004	2.1700e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6423	0.6423	1.0000e-005	0.0000	0.6427

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3.7 Plaster Exterior - Structure - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2186					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5300e-003	0.0106	0.0136	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	1.9149	1.9149	1.2000e-004	0.0000	1.9181
Total	0.2201	0.0106	0.0136	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	1.9149	1.9149	1.2000e-004	0.0000	1.9181

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	3.0000e-004	1.9000e-004	2.1700e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6423	0.6423	1.0000e-005	0.0000	0.6427
Total	3.0000e-004	1.9000e-004	2.1700e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6423	0.6423	1.0000e-005	0.0000	0.6427

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3.8 Site Improvements - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0529	0.4841	0.5073	8.3000e-004		0.0251	0.0251		0.0236	0.0236	0.0000	71.8348	71.8348	0.0172	0.0000	72.2651
Total	0.0529	0.4841	0.5073	8.3000e-004		0.0251	0.0251		0.0236	0.0236	0.0000	71.8348	71.8348	0.0172	0.0000	72.2651

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2400e-003	0.0490	9.3200e-003	1.4000e-004	3.5200e-003	8.0000e-005	3.6100e-003	1.0200e-003	8.0000e-005	1.1000e-003	0.0000	13.4966	13.4966	9.8000e-004	0.0000	13.5212
Worker	5.4800e-003	3.5500e-003	0.0396	1.3000e-004	0.0150	9.0000e-005	0.0151	3.9800e-003	8.0000e-005	4.0600e-003	0.0000	11.6815	11.6815	2.5000e-004	0.0000	11.6878
Total	6.7200e-003	0.0526	0.0489	2.7000e-004	0.0185	1.7000e-004	0.0187	5.0000e-003	1.6000e-004	5.1600e-003	0.0000	25.1781	25.1781	1.2300e-003	0.0000	25.2090

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3.8 Site Improvements - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0529	0.4841	0.5073	8.3000e-004		0.0251	0.0251		0.0236	0.0236	0.0000	71.8347	71.8347	0.0172	0.0000	72.2650
Total	0.0529	0.4841	0.5073	8.3000e-004		0.0251	0.0251		0.0236	0.0236	0.0000	71.8347	71.8347	0.0172	0.0000	72.2650

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2400e-003	0.0490	9.3200e-003	1.4000e-004	3.5200e-003	8.0000e-005	3.6100e-003	1.0200e-003	8.0000e-005	1.1000e-003	0.0000	13.4966	13.4966	9.8000e-004	0.0000	13.5212
Worker	5.4800e-003	3.5500e-003	0.0396	1.3000e-004	0.0150	9.0000e-005	0.0151	3.9800e-003	8.0000e-005	4.0600e-003	0.0000	11.6815	11.6815	2.5000e-004	0.0000	11.6878
Total	6.7200e-003	0.0526	0.0489	2.7000e-004	0.0185	1.7000e-004	0.0187	5.0000e-003	1.6000e-004	5.1600e-003	0.0000	25.1781	25.1781	1.2300e-003	0.0000	25.2090

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3.9 Paint - Primer / 1st Coat - Interior - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0729					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0734	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	6.0000e-005	7.2000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2141	0.2141	0.0000	0.0000	0.2142
Total	1.0000e-004	6.0000e-005	7.2000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2141	0.2141	0.0000	0.0000	0.2142

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3.9 Paint - Primer / 1st Coat - Interior - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0729					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0734	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	6.0000e-005	7.2000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2141	0.2141	0.0000	0.0000	0.2142
Total	1.0000e-004	6.0000e-005	7.2000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2141	0.2141	0.0000	0.0000	0.2142

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3.10 Final Paint - Interior - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0729					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0734	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	6.0000e-005	7.2000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2141	0.2141	0.0000	0.0000	0.2142
Total	1.0000e-004	6.0000e-005	7.2000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2141	0.2141	0.0000	0.0000	0.2142

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3.10 Final Paint - Interior - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0729					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0734	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	6.0000e-005	7.2000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2141	0.2141	0.0000	0.0000	0.2142
Total	1.0000e-004	6.0000e-005	7.2000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2141	0.2141	0.0000	0.0000	0.2142

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3.11 Asphalt Paving / Cure - Site Improvement - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4200e-003	0.0333	0.0427	7.0000e-005		1.7100e-003	1.7100e-003		1.5800e-003	1.5800e-003	0.0000	5.7316	5.7316	1.8000e-003	0.0000	5.7766
Paving	4.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.8300e-003	0.0333	0.0427	7.0000e-005		1.7100e-003	1.7100e-003		1.5800e-003	1.5800e-003	0.0000	5.7316	5.7316	1.8000e-003	0.0000	5.7766

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.8000e-004	2.0300e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.5995	0.5995	1.0000e-005	0.0000	0.5998
Total	2.8000e-004	1.8000e-004	2.0300e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.5995	0.5995	1.0000e-005	0.0000	0.5998

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3.11 Asphalt Paving / Cure - Site Improvement - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4200e-003	0.0333	0.0427	7.0000e-005		1.7100e-003	1.7100e-003		1.5800e-003	1.5800e-003	0.0000	5.7315	5.7315	1.8000e-003	0.0000	5.7766
Paving	4.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.8300e-003	0.0333	0.0427	7.0000e-005		1.7100e-003	1.7100e-003		1.5800e-003	1.5800e-003	0.0000	5.7315	5.7315	1.8000e-003	0.0000	5.7766

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.8000e-004	2.0300e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.5995	0.5995	1.0000e-005	0.0000	0.5998
Total	2.8000e-004	1.8000e-004	2.0300e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.5995	0.5995	1.0000e-005	0.0000	0.5998

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3.12 Striping - Site Improvement - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0437					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1000e-004	2.1100e-003	2.7200e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.3830	0.3830	2.0000e-005	0.0000	0.3836
Total	0.0440	2.1100e-003	2.7200e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.3830	0.3830	2.0000e-005	0.0000	0.3836

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	6.0000e-005	4.0000e-005	4.3000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1285	0.1285	0.0000	0.0000	0.1285
Total	6.0000e-005	4.0000e-005	4.3000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1285	0.1285	0.0000	0.0000	0.1285

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3.12 Striping - Site Improvement - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0437					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1000e-004	2.1100e-003	2.7200e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.3830	0.3830	2.0000e-005	0.0000	0.3836
Total	0.0440	2.1100e-003	2.7200e-003	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.3830	0.3830	2.0000e-005	0.0000	0.3836

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	6.0000e-005	4.0000e-005	4.3000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1285	0.1285	0.0000	0.0000	0.1285
Total	6.0000e-005	4.0000e-005	4.3000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1285	0.1285	0.0000	0.0000	0.1285

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0757	0.5424	0.9211	4.4000e-003	0.3489	2.5000e-003	0.3514	0.0935	2.3300e-003	0.0958	0.0000	408.2719	408.2719	0.0182	0.0000	408.7277
Unmitigated	0.0757	0.5424	0.9211	4.4000e-003	0.3489	2.5000e-003	0.3514	0.0935	2.3300e-003	0.0958	0.0000	408.2719	408.2719	0.0182	0.0000	408.7277

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	388.43	158.68	17.10	913,851	913,851
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Recreational	0.00	0.00	0.00		
Total	388.43	158.68	17.10	913,851	913,851

4.3 Trip Type Information

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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
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Recreational	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
Other Non-Asphalt Surfaces	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
Parking Lot	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
User Defined Recreational	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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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					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31.7521	31.7521	1.2900e-003	2.8000e-004	31.8679
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31.7521	31.7521	1.2900e-003	2.8000e-004	31.8679
NaturalGas Mitigated	1.0500e-003	9.5800e-003	8.0500e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4319	10.4319	2.0000e-004	1.9000e-004	10.4939
NaturalGas Unmitigated	1.0500e-003	9.5800e-003	8.0500e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4319	10.4319	2.0000e-004	1.9000e-004	10.4939

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					
Junior College (2Yr)	195487	1.0500e-003	9.5800e-003	8.0500e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4319	10.4319	2.0000e-004	1.9000e-004	10.4939
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	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		1.0500e-003	9.5800e-003	8.0500e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4319	10.4319	2.0000e-004	1.9000e-004	10.4939

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5.2 Energy by Land Use - NaturalGas

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					
Junior College (2Yr)	195487	1.0500e-003	9.5800e-003	8.0500e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4319	10.4319	2.0000e-004	1.9000e-004	10.4939
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	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		1.0500e-003	9.5800e-003	8.0500e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4319	10.4319	2.0000e-004	1.9000e-004	10.4939

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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			
Junior College (2Yr)	111384	28.6060	1.1600e-003	2.5000e-004	28.7104
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	12250	3.1461	1.3000e-004	3.0000e-005	3.1576
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		31.7521	1.2900e-003	2.8000e-004	31.8679

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	111384	28.6060	1.1600e-003	2.5000e-004	28.7104
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	12250	3.1461	1.3000e-004	3.0000e-005	3.1576
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		31.7521	1.2900e-003	2.8000e-004	31.8679

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2288	2.0000e-005	1.9500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7900e-003	3.7900e-003	1.0000e-005	0.0000	4.0400e-003
Unmitigated	0.2288	2.0000e-005	1.9500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7900e-003	3.7900e-003	1.0000e-005	0.0000	4.0400e-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	0.0262					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2024					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	1.9500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7900e-003	3.7900e-003	1.0000e-005	0.0000	4.0400e-003
Total	0.2288	2.0000e-005	1.9500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7900e-003	3.7900e-003	1.0000e-005	0.0000	4.0400e-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	0.0262					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2024					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	1.9500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7900e-003	3.7900e-003	1.0000e-005	0.0000	4.0400e-003
Total	0.2288	2.0000e-005	1.9500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7900e-003	3.7900e-003	1.0000e-005	0.0000	4.0400e-003

7.0 Water Detail

7.1 Mitigation Measures Water

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.6306	0.0228	5.8000e-004	6.3738
Unmitigated	5.6306	0.0228	5.8000e-004	6.3738

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.693063 / 1.08402	5.6306	0.0228	5.8000e-004	6.3738
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		5.6306	0.0228	5.8000e-004	6.3738

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.693063 / 1.08402	5.6306	0.0228	5.8000e-004	6.3738
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		5.6306	0.0228	5.8000e-004	6.3738

8.0 Waste Detail

8.1 Mitigation Measures Waste

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.7289	0.2204	0.0000	9.2383
Unmitigated	3.7289	0.2204	0.0000	9.2383

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	18.37	3.7289	0.2204	0.0000	9.2383
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		3.7289	0.2204	0.0000	9.2383

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	18.37	3.7289	0.2204	0.0000	9.2383
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		3.7289	0.2204	0.0000	9.2383

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

RCCD Ben Clark Training Center - Phase I - Riverside-South Coast County, Annual

Equipment Type	Number
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11.0 Vegetation

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

RCCD Ben Clark Training Center - Phase I - LST
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	14.13	1000sqft	1.26	14,135.00	0
Other Non-Asphalt Surfaces	13.50	1000sqft	0.31	13,500.00	0
Parking Lot	84.00	Space	0.80	35,000.00	0
User Defined Recreational	41.00	User Defined Unit	0.94	41,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Riverside Public Utilities				
CO2 Intensity (lb/MW hr)	566.2	CH4 Intensity (lb/MW hr)	0.023	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Section 1.0 Project Characteristics. GHG intensity factor adjusted for 2018 power content label assuming 36% renewables.

Land Use - Project-specific land uses.

Construction Phase - Utilites included in grading and building. Project specific schedule.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Trips and VMT - CalEEMod default values. Rounded up to even numbers. Assumed 1000ft (0.19mi) to represent onsite trip portion.

On-road Fugitive Dust - CalEEMod default values.

Demolition - 247 tons of debris.

Grading - 2,200 C.Y. of import.

Architectural Coating - Adjusted per architectural coating phase. Adjusted Exterior and Interior to reflect project. CalEEMod User Guide calcs: $14135 * 2 * .75 = 21202.5$ $14135 * 2 * .25 = 7067.5$

Vehicle Trips - Project specific values.

Vehicle Emission Factors - CalEEMod default values.

Vehicle Emission Factors - CalEEMod default values.

Vehicle Emission Factors - CalEEMod default values.

Road Dust - CalEEMod default values.

Woodstoves - No hearths.

Consumer Products - CalEEMod default values.

Area Coating - CalEEMod default values.

Landscape Equipment - CalEEMod default values.

Energy Use - Adjusted per Title 24 2019 energy efficient reductions.

Water And Wastewater - CalEEMod default values.

Solid Waste - CalEEMod default values.

Construction Off-road Equipment Mitigation - Water exposed area 2x per day.

Mobile Land Use Mitigation - No mitigation applied.

Mobile Commute Mitigation - No mitigation applied.

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00

2.0 Emissions Summary

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Energy	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
Mobile	0.5319	3.7625	6.3019	0.0303	2.5017	0.0177	2.5195	0.6693	0.0165	0.6858		3,102.2612	3,102.2612	0.1456		3,105.9017
Total	1.7917	3.8152	6.3616	0.0306	2.5017	0.0218	2.5235	0.6693	0.0206	0.6899		3,165.3041	3,165.3041	0.1469	1.1600e-003	3,169.3212

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	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Energy	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
Mobile	0.5319	3.7625	6.3019	0.0303	2.5017	0.0177	2.5195	0.6693	0.0165	0.6858		3,102.2612	3,102.2612	0.1456		3,105.9017
Total	1.7917	3.8152	6.3616	0.0306	2.5017	0.0218	2.5235	0.6693	0.0206	0.6899		3,165.3041	3,165.3041	0.1469	1.1600e-003	3,169.3212

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	9/15/2021	5	20	
2	Site Preparation	Site Preparation	9/16/2021	9/20/2021	5	5	
3	Grading / Over-excavation	Grading	9/21/2021	10/4/2021	5	8	
4	Structure	Building Construction	10/6/2021	3/2/2022	5	230	
5	Interiors	Building Construction	1/20/2022	8/3/2022	5	230	
6	Plaster Exterior - Structure	Architectural Coating	3/3/2022	3/23/2022	5	18	
7	Site Improvements	Building Construction	4/12/2022	7/6/2022	5	230	
8	Paint - Primer / 1st Coat - Interior	Architectural Coating	4/14/2022	4/20/2022	5	18	
9	Final Paint - Interior	Architectural Coating	6/3/2022	6/9/2022	5	18	
10	Asphalt Paving / Cure - Site Improvement	Paving	6/22/2022	6/30/2022	5	18	
11	Striping - Site Improvement	Architectural Coating	7/1/2022	7/5/2022	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.11

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 82,703; Non-Residential Outdoor: 27,568; Striped Parking Area: 2,910 (Architectural Coating – sqft)

OffRoad Equipment

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading / Over-excavation	Excavators	1	8.00	158	0.38
Grading / Over-excavation	Graders	1	8.00	187	0.41
Grading / Over-excavation	Rubber Tired Dozers	1	8.00	247	0.40
Grading / Over-excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Structure	Cranes	1	7.00	231	0.29
Structure	Forklifts	3	8.00	89	0.20
Structure	Generator Sets	1	8.00	84	0.74
Structure	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Structure	Welders	1	8.00	46	0.45
Interiors	Cranes	1	7.00	231	0.29
Interiors	Forklifts	3	8.00	89	0.20
Interiors	Generator Sets	1	8.00	84	0.74
Interiors	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Interiors	Welders	1	8.00	46	0.45
Plaster Exterior - Structure	Air Compressors	1	6.00	78	0.48
Site Improvements	Cranes	1	7.00	231	0.29
Site Improvements	Forklifts	3	8.00	89	0.20
Site Improvements	Generator Sets	1	8.00	84	0.74
Site Improvements	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Site Improvements	Welders	1	8.00	46	0.45
Paint - Primer / 1st Coat - Interior	Air Compressors	1	6.00	78	0.48

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

Final Paint - Interior	Air Compressors	1	6.00	78	0.48
Asphalt Paving / Cure - Site Improvement	Cement and Mortar Mixers	2	6.00	9	0.56
Asphalt Paving / Cure - Site Improvement	Pavers	1	8.00	130	0.42
Asphalt Paving / Cure - Site Improvement	Paving Equipment	2	6.00	132	0.36
Asphalt Paving / Cure - Site Improvement	Rollers	2	6.00	80	0.38
Asphalt Paving / Cure - Site Improvement	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Striping - Site Improvement	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	24.00	0.19	0.00	0.19	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Grading / Over-excavation	6	16.00	0.00	276.00	0.19	0.00	0.19	LD_Mix	HDT_Mix	HHDT
Structure	9	44.00	18.00	0.00	0.19	0.19	0.00	LD_Mix	HDT_Mix	HHDT
Interiors	9	44.00	18.00	0.00	0.19	0.19	0.00	LD_Mix	HDT_Mix	HHDT
Plaster Exterior - Structure	1	10.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Site Improvements	9	44.00	18.00	0.00	0.19	0.19	0.00	LD_Mix	HDT_Mix	HHDT
Paint - Primer / 1st Coat - Interior	1	10.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Final Paint - Interior	1	10.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving / Cure - Site Improvement	8	20.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Striping - Site Improvement	1	10.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2659	0.0000	0.2659	0.0403	0.0000	0.0403			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.2659	1.5513	1.8173	0.0403	1.4411	1.4814		3,747.9449	3,747.9449	1.0549		3,774.3174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6000e-003	0.1226	0.0162	1.6000e-004	3.5000e-004	6.0000e-005	4.0000e-004	9.0000e-005	5.0000e-005	1.5000e-004		16.8934	16.8934	4.3800e-003		17.0030
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0169	5.0900e-003	0.0733	5.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.3388	5.3388	3.9000e-004		5.3485
Total	0.0195	0.1277	0.0895	2.1000e-004	2.8200e-003	1.7000e-004	2.9800e-003	7.6000e-004	1.5000e-004	9.3000e-004		22.2323	22.2323	4.7700e-003		22.3515

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1197	0.0000	0.1197	0.0181	0.0000	0.0181			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.1197	1.5513	1.6710	0.0181	1.4411	1.4592	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6000e-003	0.1226	0.0162	1.6000e-004	3.5000e-004	6.0000e-005	4.0000e-004	9.0000e-005	5.0000e-005	1.5000e-004		16.8934	16.8934	4.3800e-003		17.0030
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0169	5.0900e-003	0.0733	5.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.3388	5.3388	3.9000e-004		5.3485
Total	0.0195	0.1277	0.0895	2.1000e-004	2.8200e-003	1.7000e-004	2.9800e-003	7.6000e-004	1.5000e-004	9.3000e-004		22.2323	22.2323	4.7700e-003		22.3515

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

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	0.0190	5.7200e-003	0.0825	6.0000e-005	2.7800e-003	1.3000e-004	2.9000e-003	7.6000e-004	1.2000e-004	8.8000e-004		6.0062	6.0062	4.4000e-004		6.0171
Total	0.0190	5.7200e-003	0.0825	6.0000e-005	2.7800e-003	1.3000e-004	2.9000e-003	7.6000e-004	1.2000e-004	8.8000e-004		6.0062	6.0062	4.4000e-004		6.0171

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.3 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	8.1298	2.0445	10.1743	4.4688	1.8809	6.3497	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

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	0.0190	5.7200e-003	0.0825	6.0000e-005	2.7800e-003	1.3000e-004	2.9000e-003	7.6000e-004	1.2000e-004	8.8000e-004		6.0062	6.0062	4.4000e-004		6.0171
Total	0.0190	5.7200e-003	0.0825	6.0000e-005	2.7800e-003	1.3000e-004	2.9000e-003	7.6000e-004	1.2000e-004	8.8000e-004		6.0062	6.0062	4.4000e-004		6.0171

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3.4 Grading / Over-excavation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346		2,871.9285	2,871.9285	0.9288		2,895.1495

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0747	3.5247	0.4650	4.5900e-003	5.5900e-003	1.6200e-003	7.2100e-003	1.6200e-003	1.5500e-003	3.1700e-003		485.6861	485.6861	0.1260		488.8355
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0169	5.0900e-003	0.0733	5.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.3388	5.3388	3.9000e-004		5.3485
Total	0.0916	3.5298	0.5383	4.6400e-003	8.0600e-003	1.7300e-003	9.7900e-003	2.2900e-003	1.6500e-003	3.9500e-003		491.0249	491.0249	0.1264		494.1841

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.4 Grading / Over-excavation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	2.9486	1.1599	4.1085	1.5154	1.0671	2.5825	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0747	3.5247	0.4650	4.5900e-003	5.5900e-003	1.6200e-003	7.2100e-003	1.6200e-003	1.5500e-003	3.1700e-003		485.6861	485.6861	0.1260		488.8355
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0169	5.0900e-003	0.0733	5.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.3388	5.3388	3.9000e-004		5.3485
Total	0.0916	3.5298	0.5383	4.6400e-003	8.0600e-003	1.7300e-003	9.7900e-003	2.2900e-003	1.6500e-003	3.9500e-003		491.0249	491.0249	0.1264		494.1841

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.5 Structure - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0288	1.1655	0.2545	1.3000e-003	3.6300e-003	5.0000e-004	4.1400e-003	1.0900e-003	4.8000e-004	1.5700e-003		136.7075	136.7075	0.0344		137.5666
Worker	0.0465	0.0140	0.2017	1.5000e-004	6.7900e-003	3.1000e-004	7.0900e-003	1.8600e-003	2.8000e-004	2.1400e-003		14.6818	14.6818	1.0700e-003		14.7085
Total	0.0753	1.1794	0.4562	1.4500e-003	0.0104	8.1000e-004	0.0112	2.9500e-003	7.6000e-004	3.7100e-003		151.3893	151.3893	0.0354		152.2751

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.5 Structure - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0288	1.1655	0.2545	1.3000e-003	3.6300e-003	5.0000e-004	4.1400e-003	1.0900e-003	4.8000e-004	1.5700e-003		136.7075	136.7075	0.0344		137.5666
Worker	0.0465	0.0140	0.2017	1.5000e-004	6.7900e-003	3.1000e-004	7.0900e-003	1.8600e-003	2.8000e-004	2.1400e-003		14.6818	14.6818	1.0700e-003		14.7085
Total	0.0753	1.1794	0.4562	1.4500e-003	0.0104	8.1000e-004	0.0112	2.9500e-003	7.6000e-004	3.7100e-003		151.3893	151.3893	0.0354		152.2751

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.5 Structure - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0268	1.1332	0.2368	1.2800e-003	3.6300e-003	4.0000e-004	4.0400e-003	1.0900e-003	3.9000e-004	1.4800e-003		135.3845	135.3845	0.0324		136.1944
Worker	0.0427	0.0124	0.1825	1.4000e-004	6.7900e-003	3.0000e-004	7.0900e-003	1.8600e-003	2.8000e-004	2.1300e-003		14.1723	14.1723	9.5000e-004		14.1960
Total	0.0696	1.1456	0.4193	1.4200e-003	0.0104	7.0000e-004	0.0111	2.9500e-003	6.7000e-004	3.6100e-003		149.5568	149.5568	0.0334		150.3904

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.5 Structure - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0268	1.1332	0.2368	1.2800e-003	3.6300e-003	4.0000e-004	4.0400e-003	1.0900e-003	3.9000e-004	1.4800e-003		135.3845	135.3845	0.0324		136.1944
Worker	0.0427	0.0124	0.1825	1.4000e-004	6.7900e-003	3.0000e-004	7.0900e-003	1.8600e-003	2.8000e-004	2.1300e-003		14.1723	14.1723	9.5000e-004		14.1960
Total	0.0696	1.1456	0.4193	1.4200e-003	0.0104	7.0000e-004	0.0111	2.9500e-003	6.7000e-004	3.6100e-003		149.5568	149.5568	0.0334		150.3904

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.6 Interiors - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0268	1.1332	0.2368	1.2800e-003	3.6300e-003	4.0000e-004	4.0400e-003	1.0900e-003	3.9000e-004	1.4800e-003		135.3845	135.3845	0.0324		136.1944
Worker	0.0427	0.0124	0.1825	1.4000e-004	6.7900e-003	3.0000e-004	7.0900e-003	1.8600e-003	2.8000e-004	2.1300e-003		14.1723	14.1723	9.5000e-004		14.1960
Total	0.0696	1.1456	0.4193	1.4200e-003	0.0104	7.0000e-004	0.0111	2.9500e-003	6.7000e-004	3.6100e-003		149.5568	149.5568	0.0334		150.3904

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.6 Interiors - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0268	1.1332	0.2368	1.2800e-003	3.6300e-003	4.0000e-004	4.0400e-003	1.0900e-003	3.9000e-004	1.4800e-003		135.3845	135.3845	0.0324		136.1944
Worker	0.0427	0.0124	0.1825	1.4000e-004	6.7900e-003	3.0000e-004	7.0900e-003	1.8600e-003	2.8000e-004	2.1300e-003		14.1723	14.1723	9.5000e-004		14.1960
Total	0.0696	1.1456	0.4193	1.4200e-003	0.0104	7.0000e-004	0.0111	2.9500e-003	6.7000e-004	3.6100e-003		149.5568	149.5568	0.0334		150.3904

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3.7 Plaster Exterior - Structure - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.7100e-003	2.8100e-003	0.0415	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.2210	3.2210	2.1000e-004		3.2264
Total	9.7100e-003	2.8100e-003	0.0415	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.2210	3.2210	2.1000e-004		3.2264

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3.7 Plaster Exterior - Structure - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.7100e-003	2.8100e-003	0.0415	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.2210	3.2210	2.1000e-004		3.2264
Total	9.7100e-003	2.8100e-003	0.0415	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.2210	3.2210	2.1000e-004		3.2264

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.8 Site Improvements - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0268	1.1332	0.2368	1.2800e-003	3.6300e-003	4.0000e-004	4.0400e-003	1.0900e-003	3.9000e-004	1.4800e-003		135.3845	135.3845	0.0324		136.1944
Worker	0.0427	0.0124	0.1825	1.4000e-004	6.7900e-003	3.0000e-004	7.0900e-003	1.8600e-003	2.8000e-004	2.1300e-003		14.1723	14.1723	9.5000e-004		14.1960
Total	0.0696	1.1456	0.4193	1.4200e-003	0.0104	7.0000e-004	0.0111	2.9500e-003	6.7000e-004	3.6100e-003		149.5568	149.5568	0.0334		150.3904

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.8 Site Improvements - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0268	1.1332	0.2368	1.2800e-003	3.6300e-003	4.0000e-004	4.0400e-003	1.0900e-003	3.9000e-004	1.4800e-003		135.3845	135.3845	0.0324		136.1944
Worker	0.0427	0.0124	0.1825	1.4000e-004	6.7900e-003	3.0000e-004	7.0900e-003	1.8600e-003	2.8000e-004	2.1300e-003		14.1723	14.1723	9.5000e-004		14.1960
Total	0.0696	1.1456	0.4193	1.4200e-003	0.0104	7.0000e-004	0.0111	2.9500e-003	6.7000e-004	3.6100e-003		149.5568	149.5568	0.0334		150.3904

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.9 Paint - Primer / 1st Coat - Interior - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.7100e-003	2.8100e-003	0.0415	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.2210	3.2210	2.1000e-004		3.2264
Total	9.7100e-003	2.8100e-003	0.0415	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.2210	3.2210	2.1000e-004		3.2264

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.9 Paint - Primer / 1st Coat - Interior - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.7100e-003	2.8100e-003	0.0415	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.2210	3.2210	2.1000e-004		3.2264
Total	9.7100e-003	2.8100e-003	0.0415	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.2210	3.2210	2.1000e-004		3.2264

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.10 Final Paint - Interior - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.7100e-003	2.8100e-003	0.0415	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.2210	3.2210	2.1000e-004		3.2264
Total	9.7100e-003	2.8100e-003	0.0415	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.2210	3.2210	2.1000e-004		3.2264

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.10 Final Paint - Interior - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.7100e-003	2.8100e-003	0.0415	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.2210	3.2210	2.1000e-004		3.2264
Total	9.7100e-003	2.8100e-003	0.0415	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.2210	3.2210	2.1000e-004		3.2264

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.11 Asphalt Paving / Cure - Site Improvement - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1164					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0930	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

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	0.0194	5.6300e-003	0.0830	7.0000e-005	3.0800e-003	1.4000e-004	3.2200e-003	8.4000e-004	1.3000e-004	9.7000e-004		6.4420	6.4420	4.3000e-004		6.4527
Total	0.0194	5.6300e-003	0.0830	7.0000e-005	3.0800e-003	1.4000e-004	3.2200e-003	8.4000e-004	1.3000e-004	9.7000e-004		6.4420	6.4420	4.3000e-004		6.4527

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.11 Asphalt Paving / Cure - Site Improvement - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1164					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0930	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

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	0.0194	5.6300e-003	0.0830	7.0000e-005	3.0800e-003	1.4000e-004	3.2200e-003	8.4000e-004	1.3000e-004	9.7000e-004		6.4420	6.4420	4.3000e-004		6.4527
Total	0.0194	5.6300e-003	0.0830	7.0000e-005	3.0800e-003	1.4000e-004	3.2200e-003	8.4000e-004	1.3000e-004	9.7000e-004		6.4420	6.4420	4.3000e-004		6.4527

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.12 Striping - Site Improvement - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.7100e-003	2.8100e-003	0.0415	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.2210	3.2210	2.1000e-004		3.2264
Total	9.7100e-003	2.8100e-003	0.0415	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.2210	3.2210	2.1000e-004		3.2264

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

3.12 Striping - Site Improvement - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.7100e-003	2.8100e-003	0.0415	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.2210	3.2210	2.1000e-004		3.2264
Total	9.7100e-003	2.8100e-003	0.0415	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.2210	3.2210	2.1000e-004		3.2264

4.0 Operational Detail - Mobile

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5319	3.7625	6.3019	0.0303	2.5017	0.0177	2.5195	0.6693	0.0165	0.6858		3,102.2612	3,102.2612	0.1456		3,105.9017
Unmitigated	0.5319	3.7625	6.3019	0.0303	2.5017	0.0177	2.5195	0.6693	0.0165	0.6858		3,102.2612	3,102.2612	0.1456		3,105.9017

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	388.43	158.68	17.10	913,851	913,851
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Recreational	0.00	0.00	0.00		
Total	388.43	158.68	17.10	913,851	913,851

4.3 Trip Type Information

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

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
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Recreational	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
Other Non-Asphalt Surfaces	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
Parking Lot	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
User Defined Recreational	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
NaturalGas Unmitigated	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840

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					
Junior College (2Yr)	535.581	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	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		5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

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					
Junior College (2Yr)	0.535581	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	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		5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840

6.0 Area Detail

6.1 Mitigation Measures Area

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Unmitigated	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356

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	0.1437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Total	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Total	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356

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

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, 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

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

RCCD Ben Clark Training Center - Phase I - LST
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	14.13	1000sqft	1.26	14,135.00	0
Other Non-Asphalt Surfaces	13.50	1000sqft	0.31	13,500.00	0
Parking Lot	84.00	Space	0.80	35,000.00	0
User Defined Recreational	41.00	User Defined Unit	0.94	41,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Riverside Public Utilities				
CO2 Intensity (lb/MW hr)	566.2	CH4 Intensity (lb/MW hr)	0.023	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Section 1.0 Project Characteristics. GHG intensity factor adjusted for 2018 power content label assuming 36% renewables.

Land Use - Project-specific land uses.

Construction Phase - Utilites included in grading and building. Project specific schedule.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Trips and VMT - CalEEMod default values. Rounded up to even numbers. Assumed 1000ft (0.19mi) to represent onsite trip portion.

On-road Fugitive Dust - CalEEMod default values.

Demolition - 247 tons of debris.

Grading - 2,200 C.Y. of import.

Architectural Coating - Adjusted per architectural coating phase. Adjusted Exterior and Interior to reflect project. CalEEMod User Guide calcs: $14135 * 2 * .75 = 21202.5$ $14135 * 2 * .25 = 7067.5$

Vehicle Trips - Project specific values.

Vehicle Emission Factors - CalEEMod default values.

Vehicle Emission Factors - CalEEMod default values.

Vehicle Emission Factors - CalEEMod default values.

Road Dust - CalEEMod default values.

Woodstoves - No hearths.

Consumer Products - CalEEMod default values.

Area Coating - CalEEMod default values.

Landscape Equipment - CalEEMod default values.

Energy Use - Adjusted per Title 24 2019 energy efficient reductions.

Water And Wastewater - CalEEMod default values.

Solid Waste - CalEEMod default values.

Construction Off-road Equipment Mitigation - Water exposed area 2x per day.

Mobile Land Use Mitigation - No mitigation applied.

Mobile Commute Mitigation - No mitigation applied.

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

tblTripsAndVMT	HaulingTripNumber	0.00	276.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.19
tblTripsAndVMT	VendorTripLength	6.90	0.19
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.19
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripNumber	17.00	18.00
tblTripsAndVMT	VendorTripNumber	17.00	18.00
tblTripsAndVMT	VendorTripNumber	17.00	18.00
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripNumber	15.00	16.00

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00
tblTripsAndVMT	WorkerTripNumber	9.00	10.00

2.0 Emissions Summary

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Energy	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
Mobile	0.6355	3.7819	7.2796	0.0329	2.5017	0.0176	2.5194	0.6693	0.0164	0.6857		3,358.5129	3,358.5129	0.1416		3,362.0535
Total	1.8953	3.8346	7.3393	0.0332	2.5017	0.0217	2.5234	0.6693	0.0205	0.6897		3,421.5559	3,421.5559	0.1429	1.1600e-003	3,425.4731

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	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Energy	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
Mobile	0.6355	3.7819	7.2796	0.0329	2.5017	0.0176	2.5194	0.6693	0.0164	0.6857		3,358.5129	3,358.5129	0.1416		3,362.0535
Total	1.8953	3.8346	7.3393	0.0332	2.5017	0.0217	2.5234	0.6693	0.0205	0.6897		3,421.5559	3,421.5559	0.1429	1.1600e-003	3,425.4731

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	9/15/2021	5	20	
2	Site Preparation	Site Preparation	9/16/2021	9/20/2021	5	5	
3	Grading / Over-excavation	Grading	9/21/2021	10/4/2021	5	8	
4	Structure	Building Construction	10/6/2021	3/2/2022	5	230	
5	Interiors	Building Construction	1/20/2022	8/3/2022	5	230	
6	Plaster Exterior - Structure	Architectural Coating	3/3/2022	3/23/2022	5	18	
7	Site Improvements	Building Construction	4/12/2022	7/6/2022	5	230	
8	Paint - Primer / 1st Coat - Interior	Architectural Coating	4/14/2022	4/20/2022	5	18	
9	Final Paint - Interior	Architectural Coating	6/3/2022	6/9/2022	5	18	
10	Asphalt Paving / Cure - Site Improvement	Paving	6/22/2022	6/30/2022	5	18	
11	Striping - Site Improvement	Architectural Coating	7/1/2022	7/5/2022	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.11

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 82,703; Non-Residential Outdoor: 27,568; Striped Parking Area: 2,910 (Architectural Coating – sqft)

OffRoad Equipment

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading / Over-excavation	Excavators	1	8.00	158	0.38
Grading / Over-excavation	Graders	1	8.00	187	0.41
Grading / Over-excavation	Rubber Tired Dozers	1	8.00	247	0.40
Grading / Over-excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Structure	Cranes	1	7.00	231	0.29
Structure	Forklifts	3	8.00	89	0.20
Structure	Generator Sets	1	8.00	84	0.74
Structure	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Structure	Welders	1	8.00	46	0.45
Interiors	Cranes	1	7.00	231	0.29
Interiors	Forklifts	3	8.00	89	0.20
Interiors	Generator Sets	1	8.00	84	0.74
Interiors	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Interiors	Welders	1	8.00	46	0.45
Plaster Exterior - Structure	Air Compressors	1	6.00	78	0.48
Site Improvements	Cranes	1	7.00	231	0.29
Site Improvements	Forklifts	3	8.00	89	0.20
Site Improvements	Generator Sets	1	8.00	84	0.74
Site Improvements	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Site Improvements	Welders	1	8.00	46	0.45
Paint - Primer / 1st Coat - Interior	Air Compressors	1	6.00	78	0.48

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

Final Paint - Interior	Air Compressors	1	6.00	78	0.48
Asphalt Paving / Cure - Site Improvement	Cement and Mortar Mixers	2	6.00	9	0.56
Asphalt Paving / Cure - Site Improvement	Pavers	1	8.00	130	0.42
Asphalt Paving / Cure - Site Improvement	Paving Equipment	2	6.00	132	0.36
Asphalt Paving / Cure - Site Improvement	Rollers	2	6.00	80	0.38
Asphalt Paving / Cure - Site Improvement	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Striping - Site Improvement	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	24.00	0.19	0.00	0.19	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Grading / Over-excavation	6	16.00	0.00	276.00	0.19	0.00	0.19	LD_Mix	HDT_Mix	HHDT
Structure	9	44.00	18.00	0.00	0.19	0.19	0.00	LD_Mix	HDT_Mix	HHDT
Interiors	9	44.00	18.00	0.00	0.19	0.19	0.00	LD_Mix	HDT_Mix	HHDT
Plaster Exterior - Structure	1	10.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Site Improvements	9	44.00	18.00	0.00	0.19	0.19	0.00	LD_Mix	HDT_Mix	HHDT
Paint - Primer / 1st Coat - Interior	1	10.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Final Paint - Interior	1	10.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Asphalt Paving / Cure - Site Improvement	8	20.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Striping - Site Improvement	1	10.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2659	0.0000	0.2659	0.0403	0.0000	0.0403			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.2659	1.5513	1.8173	0.0403	1.4411	1.4814		3,747.9449	3,747.9449	1.0549		3,774.3174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2900e-003	0.1278	0.0104	1.8000e-004	3.5000e-004	4.0000e-005	3.9000e-004	9.0000e-005	4.0000e-005	1.4000e-004		19.3034	19.3034	3.8600e-003		19.3998
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0232	4.9100e-003	0.0669	6.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.6823	5.6823	3.5000e-004		5.6911
Total	0.0255	0.1327	0.0772	2.4000e-004	2.8200e-003	1.5000e-004	2.9700e-003	7.6000e-004	1.4000e-004	9.2000e-004		24.9857	24.9857	4.2100e-003		25.0909

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3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1197	0.0000	0.1197	0.0181	0.0000	0.0181			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.1197	1.5513	1.6710	0.0181	1.4411	1.4592	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2900e-003	0.1278	0.0104	1.8000e-004	3.5000e-004	4.0000e-005	3.9000e-004	9.0000e-005	4.0000e-005	1.4000e-004		19.3034	19.3034	3.8600e-003		19.3998
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0232	4.9100e-003	0.0669	6.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.6823	5.6823	3.5000e-004		5.6911
Total	0.0255	0.1327	0.0772	2.4000e-004	2.8200e-003	1.5000e-004	2.9700e-003	7.6000e-004	1.4000e-004	9.2000e-004		24.9857	24.9857	4.2100e-003		25.0909

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

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	0.0261	5.5200e-003	0.0752	7.0000e-005	2.7800e-003	1.3000e-004	2.9000e-003	7.6000e-004	1.2000e-004	8.8000e-004		6.3926	6.3926	3.9000e-004		6.4024
Total	0.0261	5.5200e-003	0.0752	7.0000e-005	2.7800e-003	1.3000e-004	2.9000e-003	7.6000e-004	1.2000e-004	8.8000e-004		6.3926	6.3926	3.9000e-004		6.4024

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.3 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	8.1298	2.0445	10.1743	4.4688	1.8809	6.3497	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

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	0.0261	5.5200e-003	0.0752	7.0000e-005	2.7800e-003	1.3000e-004	2.9000e-003	7.6000e-004	1.2000e-004	8.8000e-004		6.3926	6.3926	3.9000e-004		6.4024
Total	0.0261	5.5200e-003	0.0752	7.0000e-005	2.7800e-003	1.3000e-004	2.9000e-003	7.6000e-004	1.2000e-004	8.8000e-004		6.3926	6.3926	3.9000e-004		6.4024

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.4 Grading / Over-excavation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346		2,871.9285	2,871.9285	0.9288		2,895.1495

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0658	3.6738	0.2976	5.2400e-003	5.5900e-003	1.2900e-003	6.8800e-003	1.6200e-003	1.2300e-003	2.8500e-003		554.9725	554.9725	0.1109		557.7450
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0232	4.9100e-003	0.0669	6.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.6823	5.6823	3.5000e-004		5.6911
Total	0.0890	3.6788	0.3645	5.3000e-003	8.0600e-003	1.4000e-003	9.4600e-003	2.2900e-003	1.3300e-003	3.6300e-003		560.6548	560.6548	0.1113		563.4361

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.4 Grading / Over-excavation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	2.9486	1.1599	4.1085	1.5154	1.0671	2.5825	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0658	3.6738	0.2976	5.2400e-003	5.5900e-003	1.2900e-003	6.8800e-003	1.6200e-003	1.2300e-003	2.8500e-003		554.9725	554.9725	0.1109		557.7450
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0232	4.9100e-003	0.0669	6.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.6823	5.6823	3.5000e-004		5.6911
Total	0.0890	3.6788	0.3645	5.3000e-003	8.0600e-003	1.4000e-003	9.4600e-003	2.2900e-003	1.3300e-003	3.6300e-003		560.6548	560.6548	0.1113		563.4361

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.5 Structure - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0263	1.2043	0.1991	1.4700e-003	3.6300e-003	4.1000e-004	4.0400e-003	1.0900e-003	3.9000e-004	1.4800e-003		155.2076	155.2076	0.0303		155.9658
Worker	0.0638	0.0135	0.1839	1.6000e-004	6.7900e-003	3.1000e-004	7.0900e-003	1.8600e-003	2.8000e-004	2.1400e-003		15.6263	15.6263	9.6000e-004		15.6504
Total	0.0901	1.2178	0.3830	1.6300e-003	0.0104	7.2000e-004	0.0111	2.9500e-003	6.7000e-004	3.6200e-003		170.8339	170.8339	0.0313		171.6162

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.5 Structure - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0263	1.2043	0.1991	1.4700e-003	3.6300e-003	4.1000e-004	4.0400e-003	1.0900e-003	3.9000e-004	1.4800e-003		155.2076	155.2076	0.0303		155.9658
Worker	0.0638	0.0135	0.1839	1.6000e-004	6.7900e-003	3.1000e-004	7.0900e-003	1.8600e-003	2.8000e-004	2.1400e-003		15.6263	15.6263	9.6000e-004		15.6504
Total	0.0901	1.2178	0.3830	1.6300e-003	0.0104	7.2000e-004	0.0111	2.9500e-003	6.7000e-004	3.6200e-003		170.8339	170.8339	0.0313		171.6162

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.5 Structure - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0245	1.1702	0.1842	1.4600e-003	3.6300e-003	3.2000e-004	3.9500e-003	1.0900e-003	3.0000e-004	1.4000e-003		153.8309	153.8309	0.0285		154.5445
Worker	0.0588	0.0120	0.1665	1.5000e-004	6.7900e-003	3.0000e-004	7.0900e-003	1.8600e-003	2.8000e-004	2.1300e-003		15.0820	15.0820	8.5000e-004		15.1033
Total	0.0833	1.1822	0.3507	1.6100e-003	0.0104	6.2000e-004	0.0110	2.9500e-003	5.8000e-004	3.5300e-003		168.9129	168.9129	0.0294		169.6478

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.5 Structure - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0245	1.1702	0.1842	1.4600e-003	3.6300e-003	3.2000e-004	3.9500e-003	1.0900e-003	3.0000e-004	1.4000e-003		153.8309	153.8309	0.0285		154.5445
Worker	0.0588	0.0120	0.1665	1.5000e-004	6.7900e-003	3.0000e-004	7.0900e-003	1.8600e-003	2.8000e-004	2.1300e-003		15.0820	15.0820	8.5000e-004		15.1033
Total	0.0833	1.1822	0.3507	1.6100e-003	0.0104	6.2000e-004	0.0110	2.9500e-003	5.8000e-004	3.5300e-003		168.9129	168.9129	0.0294		169.6478

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.6 Interiors - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0245	1.1702	0.1842	1.4600e-003	3.6300e-003	3.2000e-004	3.9500e-003	1.0900e-003	3.0000e-004	1.4000e-003		153.8309	153.8309	0.0285		154.5445
Worker	0.0588	0.0120	0.1665	1.5000e-004	6.7900e-003	3.0000e-004	7.0900e-003	1.8600e-003	2.8000e-004	2.1300e-003		15.0820	15.0820	8.5000e-004		15.1033
Total	0.0833	1.1822	0.3507	1.6100e-003	0.0104	6.2000e-004	0.0110	2.9500e-003	5.8000e-004	3.5300e-003		168.9129	168.9129	0.0294		169.6478

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.6 Interiors - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0245	1.1702	0.1842	1.4600e-003	3.6300e-003	3.2000e-004	3.9500e-003	1.0900e-003	3.0000e-004	1.4000e-003		153.8309	153.8309	0.0285		154.5445
Worker	0.0588	0.0120	0.1665	1.5000e-004	6.7900e-003	3.0000e-004	7.0900e-003	1.8600e-003	2.8000e-004	2.1300e-003		15.0820	15.0820	8.5000e-004		15.1033
Total	0.0833	1.1822	0.3507	1.6100e-003	0.0104	6.2000e-004	0.0110	2.9500e-003	5.8000e-004	3.5300e-003		168.9129	168.9129	0.0294		169.6478

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.7 Plaster Exterior - Structure - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	2.7100e-003	0.0378	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.4277	3.4277	1.9000e-004		3.4326
Total	0.0134	2.7100e-003	0.0378	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.4277	3.4277	1.9000e-004		3.4326

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.7 Plaster Exterior - Structure - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	2.7100e-003	0.0378	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.4277	3.4277	1.9000e-004		3.4326
Total	0.0134	2.7100e-003	0.0378	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.4277	3.4277	1.9000e-004		3.4326

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.8 Site Improvements - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0245	1.1702	0.1842	1.4600e-003	3.6300e-003	3.2000e-004	3.9500e-003	1.0900e-003	3.0000e-004	1.4000e-003		153.8309	153.8309	0.0285		154.5445
Worker	0.0588	0.0120	0.1665	1.5000e-004	6.7900e-003	3.0000e-004	7.0900e-003	1.8600e-003	2.8000e-004	2.1300e-003		15.0820	15.0820	8.5000e-004		15.1033
Total	0.0833	1.1822	0.3507	1.6100e-003	0.0104	6.2000e-004	0.0110	2.9500e-003	5.8000e-004	3.5300e-003		168.9129	168.9129	0.0294		169.6478

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.8 Site Improvements - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0245	1.1702	0.1842	1.4600e-003	3.6300e-003	3.2000e-004	3.9500e-003	1.0900e-003	3.0000e-004	1.4000e-003		153.8309	153.8309	0.0285		154.5445
Worker	0.0588	0.0120	0.1665	1.5000e-004	6.7900e-003	3.0000e-004	7.0900e-003	1.8600e-003	2.8000e-004	2.1300e-003		15.0820	15.0820	8.5000e-004		15.1033
Total	0.0833	1.1822	0.3507	1.6100e-003	0.0104	6.2000e-004	0.0110	2.9500e-003	5.8000e-004	3.5300e-003		168.9129	168.9129	0.0294		169.6478

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.9 Paint - Primer / 1st Coat - Interior - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	2.7100e-003	0.0378	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.4277	3.4277	1.9000e-004		3.4326
Total	0.0134	2.7100e-003	0.0378	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.4277	3.4277	1.9000e-004		3.4326

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.9 Paint - Primer / 1st Coat - Interior - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	2.7100e-003	0.0378	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.4277	3.4277	1.9000e-004		3.4326
Total	0.0134	2.7100e-003	0.0378	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.4277	3.4277	1.9000e-004		3.4326

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.10 Final Paint - Interior - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	2.7100e-003	0.0378	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.4277	3.4277	1.9000e-004		3.4326
Total	0.0134	2.7100e-003	0.0378	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.4277	3.4277	1.9000e-004		3.4326

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.10 Final Paint - Interior - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	2.7100e-003	0.0378	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.4277	3.4277	1.9000e-004		3.4326
Total	0.0134	2.7100e-003	0.0378	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.4277	3.4277	1.9000e-004		3.4326

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.11 Asphalt Paving / Cure - Site Improvement - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1164					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0930	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

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	0.0267	5.4300e-003	0.0757	7.0000e-005	3.0800e-003	1.4000e-004	3.2200e-003	8.4000e-004	1.3000e-004	9.7000e-004		6.8554	6.8554	3.9000e-004		6.8651
Total	0.0267	5.4300e-003	0.0757	7.0000e-005	3.0800e-003	1.4000e-004	3.2200e-003	8.4000e-004	1.3000e-004	9.7000e-004		6.8554	6.8554	3.9000e-004		6.8651

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.11 Asphalt Paving / Cure - Site Improvement - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1164					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0930	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

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	0.0267	5.4300e-003	0.0757	7.0000e-005	3.0800e-003	1.4000e-004	3.2200e-003	8.4000e-004	1.3000e-004	9.7000e-004		6.8554	6.8554	3.9000e-004		6.8651
Total	0.0267	5.4300e-003	0.0757	7.0000e-005	3.0800e-003	1.4000e-004	3.2200e-003	8.4000e-004	1.3000e-004	9.7000e-004		6.8554	6.8554	3.9000e-004		6.8651

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.12 Striping - Site Improvement - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	2.7100e-003	0.0378	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.4277	3.4277	1.9000e-004		3.4326
Total	0.0134	2.7100e-003	0.0378	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.4277	3.4277	1.9000e-004		3.4326

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

3.12 Striping - Site Improvement - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.1441					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	29.3487	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	2.7100e-003	0.0378	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.4277	3.4277	1.9000e-004		3.4326
Total	0.0134	2.7100e-003	0.0378	3.0000e-005	1.5400e-003	7.0000e-005	1.6100e-003	4.2000e-004	6.0000e-005	4.8000e-004		3.4277	3.4277	1.9000e-004		3.4326

4.0 Operational Detail - Mobile

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6355	3.7819	7.2796	0.0329	2.5017	0.0176	2.5194	0.6693	0.0164	0.6857		3,358.5129	3,358.5129	0.1416		3,362.0535
Unmitigated	0.6355	3.7819	7.2796	0.0329	2.5017	0.0176	2.5194	0.6693	0.0164	0.6857		3,358.5129	3,358.5129	0.1416		3,362.0535

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	388.43	158.68	17.10	913,851	913,851
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Recreational	0.00	0.00	0.00		
Total	388.43	158.68	17.10	913,851	913,851

4.3 Trip Type Information

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

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
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Recreational	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
Other Non-Asphalt Surfaces	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
Parking Lot	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
User Defined Recreational	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
NaturalGas Unmitigated	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840

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					
Junior College (2Yr)	535.581	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	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		5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas

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					
Junior College (2Yr)	0.535581	5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	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		5.7800e-003	0.0525	0.0441	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003		63.0095	63.0095	1.2100e-003	1.1600e-003	63.3840

6.0 Area Detail

6.1 Mitigation Measures Area

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Unmitigated	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356

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	0.1437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Total	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1089					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356
Total	1.2540	1.4000e-004	0.0156	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0334	0.0334	9.0000e-005		0.0356

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

RCCD Ben Clark Training Center - Phase I - LST - Riverside-South Coast County, 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
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

RCCD Ben Clark Training Center - Phase II
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	40.00	1000sqft	3.04	40,000.00	0
Other Non-Asphalt Surfaces	13.50	1000sqft	0.31	13,500.00	0
Parking Lot	180.00	Space	1.62	72,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	566.2	CH4 Intensity (lb/MW hr)	0.023	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

Project Characteristics - See section 1.0 Project Characteristics. GHG intensity factor adjusted for 2018 power content label assuming 36% eligible renewables.

Land Use - Project-specific land uses.

Construction Phase - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Trips and VMT - CalEEMod default values. Rounded up to even numbers.

On-road Fugitive Dust - CalEEMod default values.

Demolition - 630 tons of debris.

Grading - CalEEMod default values.

Architectural Coating - CalEEMod default values.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust -

Woodstoves - No Hearths.

Energy Use - Adjusted per Title 24 2019 energy efficient standards.

Water And Wastewater - CalEEMod default values.

Solid Waste - CalEEMod default values.

Construction Off-road Equipment Mitigation - Water exposed area 2x per day.

Operational Off-Road Equipment - No off-road equipment needed.

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources.

Vehicle Trips - Project specific values.

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	3.99	3.56
tblEnergyUse	LightingElect	0.35	0.31
tblEnergyUse	NT24E	1.92	1.71
tblEnergyUse	T24E	1.97	1.76
tblEnergyUse	T24NG	13.82	12.34
tblLandUse	LotAcreage	0.92	3.04
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	566.2
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	VendorTripNumber	21.00	22.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	53.00	54.00
tblTripsAndVMT	WorkerTripNumber	11.00	12.00
tblVehicleTrips	ST_TR	11.23	8.27
tblVehicleTrips	SU_TR	1.21	0.89
tblVehicleTrips	WD_TR	27.49	20.25

2.0 Emissions Summary

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Energy	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
Mobile	1.0505	7.6205	12.4100	0.0616	5.2158	0.0363	5.2521	1.3952	0.0339	1.4290		6,306.1606	6,306.1606	0.2924		6,313.4712
Total	1.9977	7.7534	12.5453	0.0624	5.2158	0.0465	5.2623	1.3952	0.0440	1.4392		6,465.4381	6,465.4381	0.2956	2.9200e-003	6,473.6983

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	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Energy	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
Mobile	1.0505	7.6205	12.4100	0.0616	5.2158	0.0363	5.2521	1.3952	0.0339	1.4290		6,306.1606	6,306.1606	0.2924		6,313.4712
Total	1.9977	7.7534	12.5453	0.0624	5.2158	0.0465	5.2623	1.3952	0.0440	1.4392		6,465.4381	6,465.4381	0.2956	2.9200e-003	6,473.6983

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/8/2022	9/2/2022	5	20	
2	Site Preparation	Site Preparation	9/3/2022	9/9/2022	5	5	
3	Grading	Grading	9/10/2022	9/21/2022	5	8	
4	Building Construction	Building Construction	9/22/2022	8/9/2023	5	230	
5	Paving	Paving	8/10/2023	9/4/2023	5	18	
6	Architectural Coating	Architectural Coating	9/5/2023	9/28/2023	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.93

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 60,000; Non-Residential Outdoor: 20,000; Striped Parking Area: 5,130 (Architectural Coating – sqft)

OffRoad Equipment

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	62.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	54.00	22.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	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 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6782	0.0000	0.6782	0.1027	0.0000	0.1027			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.781 2	3,746.781 2	1.0524		3,773.092 0
Total	2.6392	25.7194	20.5941	0.0388	0.6782	1.2427	1.9209	0.1027	1.1553	1.2580		3,746.781 2	3,746.781 2	1.0524		3,773.092 0

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0149	0.6166	0.1000	2.2500e-003	0.0542	1.7300e-003	0.0560	0.0149	1.6500e-003	0.0165		238.7644	238.7644	0.0151		239.1420
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0698	0.0402	0.4398	1.4800e-003	0.1788	1.0300e-003	0.1799	0.0474	9.4000e-004	0.0484		147.2542	147.2542	3.1800e-003		147.3336
Total	0.0848	0.6568	0.5398	3.7300e-003	0.2331	2.7600e-003	0.2358	0.0623	2.5900e-003	0.0649		386.0186	386.0186	0.0183		386.4756

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					0.3052	0.0000	0.3052	0.0462	0.0000	0.0462			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.3052	1.2427	1.5479	0.0462	1.1553	1.2015	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0149	0.6166	0.1000	2.2500e-003	0.0542	1.7300e-003	0.0560	0.0149	1.6500e-003	0.0165		238.7644	238.7644	0.0151		239.1420
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0698	0.0402	0.4398	1.4800e-003	0.1788	1.0300e-003	0.1799	0.0474	9.4000e-004	0.0484		147.2542	147.2542	3.1800e-003		147.3336
Total	0.0848	0.6568	0.5398	3.7300e-003	0.2331	2.7600e-003	0.2358	0.0623	2.5900e-003	0.0649		386.0186	386.0186	0.0183		386.4756

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0786	0.0452	0.4947	1.6600e-003	0.2012	1.1500e-003	0.2024	0.0534	1.0600e-003	0.0544		165.6610	165.6610	3.5700e-003		165.7503
Total	0.0786	0.0452	0.4947	1.6600e-003	0.2012	1.1500e-003	0.2024	0.0534	1.0600e-003	0.0544		165.6610	165.6610	3.5700e-003		165.7503

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	8.1298	1.6126	9.7424	4.4688	1.4836	5.9524	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0786	0.0452	0.4947	1.6600e-003	0.2012	1.1500e-003	0.2024	0.0534	1.0600e-003	0.0544		165.6610	165.6610	3.5700e-003		165.7503
Total	0.0786	0.0452	0.4947	1.6600e-003	0.2012	1.1500e-003	0.2024	0.0534	1.0600e-003	0.0544		165.6610	165.6610	3.5700e-003		165.7503

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	6.5523	0.9409	7.4932	3.3675	0.8656	4.2331		2,872.0464	2,872.0464	0.9289		2,895.2684

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0698	0.0402	0.4398	1.4800e-003	0.1788	1.0300e-003	0.1799	0.0474	9.4000e-004	0.0484		147.2542	147.2542	3.1800e-003		147.3336
Total	0.0698	0.0402	0.4398	1.4800e-003	0.1788	1.0300e-003	0.1799	0.0474	9.4000e-004	0.0484		147.2542	147.2542	3.1800e-003		147.3336

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					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	2.9486	0.9409	3.8894	1.5154	0.8656	2.3810	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0698	0.0402	0.4398	1.4800e-003	0.1788	1.0300e-003	0.1799	0.0474	9.4000e-004	0.0484		147.2542	147.2542	3.1800e-003		147.3336
Total	0.0698	0.0402	0.4398	1.4800e-003	0.1788	1.0300e-003	0.1799	0.0474	9.4000e-004	0.0484		147.2542	147.2542	3.1800e-003		147.3336

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0509	1.9015	0.4011	5.4400e-003	0.1409	3.3600e-003	0.1442	0.0406	3.2100e-003	0.0438		573.4897	573.4897	0.0454		574.6255
Worker	0.2357	0.1357	1.4842	4.9800e-003	0.6036	3.4600e-003	0.6071	0.1601	3.1900e-003	0.1633		496.9830	496.9830	0.0107		497.2510
Total	0.2866	2.0372	1.8853	0.0104	0.7445	6.8200e-003	0.7513	0.2006	6.4000e-003	0.2070		1,070.4727	1,070.4727	0.0562		1,071.8764

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0509	1.9015	0.4011	5.4400e-003	0.1409	3.3600e-003	0.1442	0.0406	3.2100e-003	0.0438		573.4897	573.4897	0.0454		574.6255
Worker	0.2357	0.1357	1.4842	4.9800e-003	0.6036	3.4600e-003	0.6071	0.1601	3.1900e-003	0.1633		496.9830	496.9830	0.0107		497.2510
Total	0.2866	2.0372	1.8853	0.0104	0.7445	6.8200e-003	0.7513	0.2006	6.4000e-003	0.2070		1,070.4727	1,070.4727	0.0562		1,071.8764

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0389	1.4247	0.3439	5.2900e-003	0.1409	1.5000e-003	0.1424	0.0406	1.4400e-003	0.0420		558.5858	558.5858	0.0346		559.4519
Worker	0.2217	0.1223	1.3677	4.7900e-003	0.6036	3.3800e-003	0.6070	0.1601	3.1100e-003	0.1632		478.1225	478.1225	9.6300e-003		478.3634
Total	0.2606	1.5470	1.7116	0.0101	0.7445	4.8800e-003	0.7493	0.2006	4.5500e-003	0.2052		1,036.7083	1,036.7083	0.0443		1,037.8153

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0389	1.4247	0.3439	5.2900e-003	0.1409	1.5000e-003	0.1424	0.0406	1.4400e-003	0.0420		558.5858	558.5858	0.0346		559.4519
Worker	0.2217	0.1223	1.3677	4.7900e-003	0.6036	3.3800e-003	0.6070	0.1601	3.1100e-003	0.1632		478.1225	478.1225	9.6300e-003		478.3634
Total	0.2606	1.5470	1.7116	0.0101	0.7445	4.8800e-003	0.7493	0.2006	4.5500e-003	0.2052		1,036.7083	1,036.7083	0.0443		1,037.8153

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1539	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0821	0.0453	0.5066	1.7800e-003	0.2236	1.2500e-003	0.2248	0.0593	1.1500e-003	0.0604		177.0824	177.0824	3.5700e-003		177.1716
Total	0.0821	0.0453	0.5066	1.7800e-003	0.2236	1.2500e-003	0.2248	0.0593	1.1500e-003	0.0604		177.0824	177.0824	3.5700e-003		177.1716

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	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1539	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0821	0.0453	0.5066	1.7800e-003	0.2236	1.2500e-003	0.2248	0.0593	1.1500e-003	0.0604		177.0824	177.0824	3.5700e-003		177.1716
Total	0.0821	0.0453	0.5066	1.7800e-003	0.2236	1.2500e-003	0.2248	0.0593	1.1500e-003	0.0604		177.0824	177.0824	3.5700e-003		177.1716

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.9210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	22.1126	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0493	0.0272	0.3039	1.0700e-003	0.1341	7.5000e-004	0.1349	0.0356	6.9000e-004	0.0363		106.2495	106.2495	2.1400e-003		106.3030
Total	0.0493	0.0272	0.3039	1.0700e-003	0.1341	7.5000e-004	0.1349	0.0356	6.9000e-004	0.0363		106.2495	106.2495	2.1400e-003		106.3030

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	21.9210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	22.1126	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0493	0.0272	0.3039	1.0700e-003	0.1341	7.5000e-004	0.1349	0.0356	6.9000e-004	0.0363		106.2495	106.2495	2.1400e-003		106.3030
Total	0.0493	0.0272	0.3039	1.0700e-003	0.1341	7.5000e-004	0.1349	0.0356	6.9000e-004	0.0363		106.2495	106.2495	2.1400e-003		106.3030

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0505	7.6205	12.4100	0.0616	5.2158	0.0363	5.2521	1.3952	0.0339	1.4290		6,306.1606	6,306.1606	0.2924		6,313.4712
Unmitigated	1.0505	7.6205	12.4100	0.0616	5.2158	0.0363	5.2521	1.3952	0.0339	1.4290		6,306.1606	6,306.1606	0.2924		6,313.4712

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	810.00	330.80	35.60	1,905,587	1,905,587
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	810.00	330.80	35.60	1,905,587	1,905,587

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
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840
Other Non-Asphalt Surfaces	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840
Parking Lot	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840

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	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
NaturalGas Unmitigated	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1353.42	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726

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					
Junior College (2Yr)	1.35342	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726

6.0 Area Detail

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004			0.0544
Unmitigated	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004			0.0544

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	0.1081					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	0.8223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	2.2000e-003	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004			0.0544
Total	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004			0.0544

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1081					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2000e-003	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Total	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544

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

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, 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

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

RCCD Ben Clark Training Center - Phase II
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	40.00	1000sqft	3.04	40,000.00	0
Other Non-Asphalt Surfaces	13.50	1000sqft	0.31	13,500.00	0
Parking Lot	180.00	Space	1.62	72,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	566.2	CH4 Intensity (lb/MW hr)	0.023	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

Project Characteristics - See section 1.0 Project Characteristics. GHG intensity factor adjusted for 2018 power content label assuming 36% eligible renewables.

Land Use - Project-specific land uses.

Construction Phase - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Trips and VMT - CalEEMod default values. Rounded up to even numbers.

On-road Fugitive Dust - CalEEMod default values.

Demolition - 630 tons of debris.

Grading - CalEEMod default values.

Architectural Coating - CalEEMod default values.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust -

Woodstoves - No Hearths.

Energy Use - Adjusted per Title 24 2019 energy efficient standards.

Water And Wastewater - CalEEMod default values.

Solid Waste - CalEEMod default values.

Construction Off-road Equipment Mitigation - Water exposed area 2x per day.

Operational Off-Road Equipment - No off-road equipment needed.

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources.

Vehicle Trips - Project specific values.

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	3.99	3.56
tblEnergyUse	LightingElect	0.35	0.31
tblEnergyUse	NT24E	1.92	1.71
tblEnergyUse	T24E	1.97	1.76
tblEnergyUse	T24NG	13.82	12.34
tblLandUse	LotAcreage	0.92	3.04
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	566.2
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	VendorTripNumber	21.00	22.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	53.00	54.00
tblTripsAndVMT	WorkerTripNumber	11.00	12.00
tblVehicleTrips	ST_TR	11.23	8.27
tblVehicleTrips	SU_TR	1.21	0.89
tblVehicleTrips	WD_TR	27.49	20.25

2.0 Emissions Summary

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Energy	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
Mobile	1.2544	7.6666	14.3430	0.0667	5.2158	0.0361	5.2519	1.3952	0.0336	1.4288		6,823.8166	6,823.8166	0.2837		6,830.9099
Total	2.2016	7.7995	14.4783	0.0675	5.2158	0.0463	5.2621	1.3952	0.0438	1.4390		6,983.0941	6,983.0941	0.2869	2.9200e-003	6,991.1370

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	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Energy	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
Mobile	1.2544	7.6666	14.3430	0.0667	5.2158	0.0361	5.2519	1.3952	0.0336	1.4288		6,823.8166	6,823.8166	0.2837		6,830.9099
Total	2.2016	7.7995	14.4783	0.0675	5.2158	0.0463	5.2621	1.3952	0.0438	1.4390		6,983.0941	6,983.0941	0.2869	2.9200e-003	6,991.1370

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/8/2022	9/2/2022	5	20	
2	Site Preparation	Site Preparation	9/3/2022	9/9/2022	5	5	
3	Grading	Grading	9/10/2022	9/21/2022	5	8	
4	Building Construction	Building Construction	9/22/2022	8/9/2023	5	230	
5	Paving	Paving	8/10/2023	9/4/2023	5	18	
6	Architectural Coating	Architectural Coating	9/5/2023	9/28/2023	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.93

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 60,000; Non-Residential Outdoor: 20,000; Striped Parking Area: 5,130 (Architectural Coating – sqft)

OffRoad Equipment

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	62.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	54.00	22.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	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 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6782	0.0000	0.6782	0.1027	0.0000	0.1027			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.6782	1.2427	1.9209	0.1027	1.1553	1.2580		3,746.7812	3,746.7812	1.0524		3,773.0920

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0142	0.6139	0.0860	2.3100e-003	0.0542	1.7000e-003	0.0559	0.0149	1.6300e-003	0.0165		244.9712	244.9712	0.0138		245.3164
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0710	0.0389	0.5456	1.6500e-003	0.1788	1.0300e-003	0.1799	0.0474	9.4000e-004	0.0484		164.1354	164.1354	3.6500e-003		164.2266
Total	0.0851	0.6528	0.6316	3.9600e-003	0.2331	2.7300e-003	0.2358	0.0623	2.5700e-003	0.0649		409.1065	409.1065	0.0175		409.5430

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					0.3052	0.0000	0.3052	0.0462	0.0000	0.0462			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.3052	1.2427	1.5479	0.0462	1.1553	1.2015	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0142	0.6139	0.0860	2.3100e-003	0.0542	1.7000e-003	0.0559	0.0149	1.6300e-003	0.0165		244.9712	244.9712	0.0138		245.3164
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0710	0.0389	0.5456	1.6500e-003	0.1788	1.0300e-003	0.1799	0.0474	9.4000e-004	0.0484		164.1354	164.1354	3.6500e-003		164.2266
Total	0.0851	0.6528	0.6316	3.9600e-003	0.2331	2.7300e-003	0.2358	0.0623	2.5700e-003	0.0649		409.1065	409.1065	0.0175		409.5430

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0798	0.0438	0.6138	1.8500e-003	0.2012	1.1500e-003	0.2024	0.0534	1.0600e-003	0.0544		184.6523	184.6523	4.1000e-003		184.7549
Total	0.0798	0.0438	0.6138	1.8500e-003	0.2012	1.1500e-003	0.2024	0.0534	1.0600e-003	0.0544		184.6523	184.6523	4.1000e-003		184.7549

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	8.1298	1.6126	9.7424	4.4688	1.4836	5.9524	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0798	0.0438	0.6138	1.8500e-003	0.2012	1.1500e-003	0.2024	0.0534	1.0600e-003	0.0544		184.6523	184.6523	4.1000e-003		184.7549
Total	0.0798	0.0438	0.6138	1.8500e-003	0.2012	1.1500e-003	0.2024	0.0534	1.0600e-003	0.0544		184.6523	184.6523	4.1000e-003		184.7549

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	6.5523	0.9409	7.4932	3.3675	0.8656	4.2331		2,872.0464	2,872.0464	0.9289		2,895.2684

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0710	0.0389	0.5456	1.6500e-003	0.1788	1.0300e-003	0.1799	0.0474	9.4000e-004	0.0484		164.1354	164.1354	3.6500e-003		164.2266
Total	0.0710	0.0389	0.5456	1.6500e-003	0.1788	1.0300e-003	0.1799	0.0474	9.4000e-004	0.0484		164.1354	164.1354	3.6500e-003		164.2266

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					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	2.9486	0.9409	3.8894	1.5154	0.8656	2.3810	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0710	0.0389	0.5456	1.6500e-003	0.1788	1.0300e-003	0.1799	0.0474	9.4000e-004	0.0484		164.1354	164.1354	3.6500e-003		164.2266
Total	0.0710	0.0389	0.5456	1.6500e-003	0.1788	1.0300e-003	0.1799	0.0474	9.4000e-004	0.0484		164.1354	164.1354	3.6500e-003		164.2266

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0479	1.9208	0.3379	5.6500e-003	0.1409	3.2600e-003	0.1441	0.0406	3.1100e-003	0.0437		596.0354	596.0354	0.0407		597.0537
Worker	0.2395	0.1313	1.8415	5.5600e-003	0.6036	3.4600e-003	0.6071	0.1601	3.1900e-003	0.1633		553.9569	553.9569	0.0123		554.2647
Total	0.2874	2.0520	2.1793	0.0112	0.7445	6.7200e-003	0.7512	0.2006	6.3000e-003	0.2069		1,149.9923	1,149.9923	0.0530		1,151.3184

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0479	1.9208	0.3379	5.6500e-003	0.1409	3.2600e-003	0.1441	0.0406	3.1100e-003	0.0437		596.0354	596.0354	0.0407		597.0537
Worker	0.2395	0.1313	1.8415	5.5600e-003	0.6036	3.4600e-003	0.6071	0.1601	3.1900e-003	0.1633		553.9569	553.9569	0.0123		554.2647
Total	0.2874	2.0520	2.1793	0.0112	0.7445	6.7200e-003	0.7512	0.2006	6.3000e-003	0.2069		1,149.9923	1,149.9923	0.0530		1,151.3184

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0367	1.4443	0.2978	5.5000e-003	0.1409	1.4500e-003	0.1423	0.0406	1.3900e-003	0.0419		580.1830	580.1830	0.0313		580.9644
Worker	0.2245	0.1184	1.6994	5.3500e-003	0.6036	3.3800e-003	0.6070	0.1601	3.1100e-003	0.1632		532.9051	532.9051	0.0111		533.1814
Total	0.2613	1.5627	1.9972	0.0109	0.7445	4.8300e-003	0.7493	0.2006	4.5000e-003	0.2051		1,113.0881	1,113.0881	0.0423		1,114.1457

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0367	1.4443	0.2978	5.5000e-003	0.1409	1.4500e-003	0.1423	0.0406	1.3900e-003	0.0419		580.1830	580.1830	0.0313		580.9644
Worker	0.2245	0.1184	1.6994	5.3500e-003	0.6036	3.3800e-003	0.6070	0.1601	3.1100e-003	0.1632		532.9051	532.9051	0.0111		533.1814
Total	0.2613	1.5627	1.9972	0.0109	0.7445	4.8300e-003	0.7493	0.2006	4.5000e-003	0.2051		1,113.0881	1,113.0881	0.0423		1,114.1457

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1539	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0832	0.0438	0.6294	1.9800e-003	0.2236	1.2500e-003	0.2248	0.0593	1.1500e-003	0.0604		197.3722	197.3722	4.0900e-003		197.4746
Total	0.0832	0.0438	0.6294	1.9800e-003	0.2236	1.2500e-003	0.2248	0.0593	1.1500e-003	0.0604		197.3722	197.3722	4.0900e-003		197.4746

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	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1539	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0832	0.0438	0.6294	1.9800e-003	0.2236	1.2500e-003	0.2248	0.0593	1.1500e-003	0.0604		197.3722	197.3722	4.0900e-003		197.4746
Total	0.0832	0.0438	0.6294	1.9800e-003	0.2236	1.2500e-003	0.2248	0.0593	1.1500e-003	0.0604		197.3722	197.3722	4.0900e-003		197.4746

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.9210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	22.1126	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0499	0.0263	0.3777	1.1900e-003	0.1341	7.5000e-004	0.1349	0.0356	6.9000e-004	0.0363		118.4234	118.4234	2.4600e-003		118.4848
Total	0.0499	0.0263	0.3777	1.1900e-003	0.1341	7.5000e-004	0.1349	0.0356	6.9000e-004	0.0363		118.4234	118.4234	2.4600e-003		118.4848

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	21.9210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	22.1126	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0499	0.0263	0.3777	1.1900e-003	0.1341	7.5000e-004	0.1349	0.0356	6.9000e-004	0.0363		118.4234	118.4234	2.4600e-003		118.4848
Total	0.0499	0.0263	0.3777	1.1900e-003	0.1341	7.5000e-004	0.1349	0.0356	6.9000e-004	0.0363		118.4234	118.4234	2.4600e-003		118.4848

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2544	7.6666	14.3430	0.0667	5.2158	0.0361	5.2519	1.3952	0.0336	1.4288		6,823.8166	6,823.8166	0.2837		6,830.9099
Unmitigated	1.2544	7.6666	14.3430	0.0667	5.2158	0.0361	5.2519	1.3952	0.0336	1.4288		6,823.8166	6,823.8166	0.2837		6,830.9099

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	810.00	330.80	35.60	1,905,587	1,905,587
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	810.00	330.80	35.60	1,905,587	1,905,587

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
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840
Other Non-Asphalt Surfaces	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840
Parking Lot	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840

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	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
NaturalGas Unmitigated	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1353.42	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726

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					
Junior College (2Yr)	1.35342	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726

6.0 Area Detail

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6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Unmitigated	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544

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	0.1081					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2000e-003	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Total	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1081					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2000e-003	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Total	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544

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

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, 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
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Annual

RCCD Ben Clark Training Center - Phase II
Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	40.00	1000sqft	3.04	40,000.00	0
Other Non-Asphalt Surfaces	13.50	1000sqft	0.31	13,500.00	0
Parking Lot	180.00	Space	1.62	72,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	566.2	CH4 Intensity (lb/MWhr)	0.023	N2O Intensity (lb/MWhr)	0.005

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - See section 1.0 Project Characteristics. GHG intensity factor adjusted for 2018 power content label assuming 36% eligible renewables.

Land Use - Project-specific land uses.

Construction Phase - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Trips and VMT - CalEEMod default values. Rounded up to even numbers.

On-road Fugitive Dust - CalEEMod default values.

Demolition - 630 tons of debris.

Grading - CalEEMod default values.

Architectural Coating - CalEEMod default values.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust -

Woodstoves - No Hearths.

Energy Use - Adjusted per Title 24 2019 energy efficient standards.

Water And Wastewater - CalEEMod default values.

Solid Waste - CalEEMod default values.

Construction Off-road Equipment Mitigation - Water exposed area 2x per day.

Operational Off-Road Equipment - No off-road equipment needed.

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources.

Vehicle Trips - Project specific values.

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Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	3.99	3.56
tblEnergyUse	LightingElect	0.35	0.31
tblEnergyUse	NT24E	1.92	1.71
tblEnergyUse	T24E	1.97	1.76
tblEnergyUse	T24NG	13.82	12.34
tblLandUse	LotAcreage	0.92	3.04
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	566.2
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	VendorTripNumber	21.00	22.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	53.00	54.00
tblTripsAndVMT	WorkerTripNumber	11.00	12.00
tblVehicleTrips	ST_TR	11.23	8.27
tblVehicleTrips	SU_TR	1.21	0.89
tblVehicleTrips	WD_TR	27.49	20.25

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	8-8-2022	11-7-2022	0.7891	0.7891
2	11-8-2022	2-7-2023	0.6200	0.6200
3	2-8-2023	5-7-2023	0.5649	0.5649
4	5-8-2023	8-7-2023	0.5843	0.5843
5	8-8-2023	9-30-2023	0.3076	0.3076
		Highest	0.7891	0.7891

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	0.1701	3.0000e-005	2.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7900e-003	5.7900e-003	2.0000e-005	0.0000	6.1700e-003
Energy	2.6600e-003	0.0242	0.0203	1.5000e-004		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	104.3129	104.3129	3.6700e-003	1.1700e-003	104.7539
Mobile	0.1494	1.0984	1.8136	8.9400e-003	0.7273	5.1200e-003	0.7324	0.1948	4.7700e-003	0.1996	0.0000	829.8985	829.8985	0.0366	0.0000	830.8131
Waste						0.0000	0.0000		0.0000	0.0000	10.5555	0.0000	10.5555	0.6238	0.0000	26.1509
Water						0.0000	0.0000		0.0000	0.0000	0.6224	15.3170	15.9394	0.0646	1.6400e-003	18.0434
Total	0.3222	1.1226	1.8369	9.0900e-003	0.7273	6.9700e-003	0.7343	0.1948	6.6200e-003	0.2014	11.1780	949.5342	960.7122	0.7286	2.8100e-003	979.7674

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1701	3.0000e-005	2.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7900e-003	5.7900e-003	2.0000e-005	0.0000	6.1700e-003
Energy	2.6600e-003	0.0242	0.0203	1.5000e-004		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	104.3129	104.3129	3.6700e-003	1.1700e-003	104.7539
Mobile	0.1494	1.0984	1.8136	8.9400e-003	0.7273	5.1200e-003	0.7324	0.1948	4.7700e-003	0.1996	0.0000	829.8985	829.8985	0.0366	0.0000	830.8131
Waste						0.0000	0.0000		0.0000	0.0000	10.5555	0.0000	10.5555	0.6238	0.0000	26.1509
Water						0.0000	0.0000		0.0000	0.0000	0.6224	15.3170	15.9394	0.0646	1.6400e-003	18.0434
Total	0.3222	1.1226	1.8369	9.0900e-003	0.7273	6.9700e-003	0.7343	0.1948	6.6200e-003	0.2014	11.1780	949.5342	960.7122	0.7286	2.8100e-003	979.7674

	ROG	NOx	CO	SO2	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

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/8/2022	9/2/2022	5	20	
2	Site Preparation	Site Preparation	9/3/2022	9/9/2022	5	5	
3	Grading	Grading	9/10/2022	9/21/2022	5	8	
4	Building Construction	Building Construction	9/22/2022	8/9/2023	5	230	
5	Paving	Paving	8/10/2023	9/4/2023	5	18	
6	Architectural Coating	Architectural Coating	9/5/2023	9/28/2023	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.93

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 60,000; Non-Residential Outdoor: 20,000; Striped Parking Area: 5,130 (Architectural Coating – sqft)

OffRoad Equipment

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	62.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	54.00	22.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	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 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.7800e-003	0.0000	6.7800e-003	1.0300e-003	0.0000	1.0300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	0.0264	0.2572	0.2059	3.9000e-004	6.7800e-003	0.0124	0.0192	1.0300e-003	0.0116	0.0126	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289

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3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4000e-004	6.2600e-003	9.2000e-004	2.0000e-005	5.3000e-004	2.0000e-005	5.5000e-004	1.5000e-004	2.0000e-005	1.6000e-004	0.0000	2.1987	2.1987	1.3000e-004	0.0000	2.2020
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	4.2000e-004	4.6400e-003	2.0000e-005	1.7600e-003	1.0000e-005	1.7700e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.3703	1.3703	3.0000e-005	0.0000	1.3710
Total	7.8000e-004	6.6800e-003	5.5600e-003	4.0000e-005	2.2900e-003	3.0000e-005	2.3200e-003	6.2000e-004	3.0000e-005	6.4000e-004	0.0000	3.5690	3.5690	1.6000e-004	0.0000	3.5730

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					3.0500e-003	0.0000	3.0500e-003	4.6000e-004	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	0.0264	0.2572	0.2059	3.9000e-004	3.0500e-003	0.0124	0.0155	4.6000e-004	0.0116	0.0120	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289

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3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4000e-004	6.2600e-003	9.2000e-004	2.0000e-005	5.3000e-004	2.0000e-005	5.5000e-004	1.5000e-004	2.0000e-005	1.6000e-004	0.0000	2.1987	2.1987	1.3000e-004	0.0000	2.2020
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4000e-004	4.2000e-004	4.6400e-003	2.0000e-005	1.7600e-003	1.0000e-005	1.7700e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.3703	1.3703	3.0000e-005	0.0000	1.3710
Total	7.8000e-004	6.6800e-003	5.5600e-003	4.0000e-005	2.2900e-003	3.0000e-005	2.3200e-003	6.2000e-004	3.0000e-005	6.4000e-004	0.0000	3.5690	3.5690	1.6000e-004	0.0000	3.5730

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9300e-003	0.0827	0.0492	1.0000e-004		4.0300e-003	4.0300e-003		3.7100e-003	3.7100e-003	0.0000	8.3599	8.3599	2.7000e-003	0.0000	8.4274
Total	7.9300e-003	0.0827	0.0492	1.0000e-004	0.0452	4.0300e-003	0.0492	0.0248	3.7100e-003	0.0285	0.0000	8.3599	8.3599	2.7000e-003	0.0000	8.4274

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3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.2000e-004	1.3000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3854	0.3854	1.0000e-005	0.0000	0.3856
Total	1.8000e-004	1.2000e-004	1.3000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3854	0.3854	1.0000e-005	0.0000	0.3856

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					0.0203	0.0000	0.0203	0.0112	0.0000	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9300e-003	0.0827	0.0492	1.0000e-004		4.0300e-003	4.0300e-003		3.7100e-003	3.7100e-003	0.0000	8.3598	8.3598	2.7000e-003	0.0000	8.4274
Total	7.9300e-003	0.0827	0.0492	1.0000e-004	0.0203	4.0300e-003	0.0244	0.0112	3.7100e-003	0.0149	0.0000	8.3598	8.3598	2.7000e-003	0.0000	8.4274

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3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.2000e-004	1.3000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3854	0.3854	1.0000e-005	0.0000	0.3856
Total	1.8000e-004	1.2000e-004	1.3000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3854	0.3854	1.0000e-005	0.0000	0.3856

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.0834	0.0611	1.2000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
Total	7.7900e-003	0.0834	0.0611	1.2000e-004	0.0262	3.7600e-003	0.0300	0.0135	3.4600e-003	0.0169	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062

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3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.7000e-004	1.8600e-003	1.0000e-005	7.0000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5481	0.5481	1.0000e-005	0.0000	0.5484
Total	2.6000e-004	1.7000e-004	1.8600e-003	1.0000e-005	7.0000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5481	0.5481	1.0000e-005	0.0000	0.5484

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					0.0118	0.0000	0.0118	6.0600e-003	0.0000	6.0600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.0834	0.0611	1.2000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
Total	7.7900e-003	0.0834	0.0611	1.2000e-004	0.0118	3.7600e-003	0.0156	6.0600e-003	3.4600e-003	9.5200e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062

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3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.7000e-004	1.8600e-003	1.0000e-005	7.0000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5481	0.5481	1.0000e-005	0.0000	0.5484
Total	2.6000e-004	1.7000e-004	1.8600e-003	1.0000e-005	7.0000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5481	0.5481	1.0000e-005	0.0000	0.5484

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0614	0.5622	0.5891	9.7000e-004		0.0291	0.0291		0.0274	0.0274	0.0000	83.4211	83.4211	0.0200	0.0000	83.9207
Total	0.0614	0.5622	0.5891	9.7000e-004		0.0291	0.0291		0.0274	0.0274	0.0000	83.4211	83.4211	0.0200	0.0000	83.9207

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3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7600e-003	0.0696	0.0132	2.0000e-004	5.0000e-003	1.2000e-004	5.1200e-003	1.4400e-003	1.1000e-004	1.5600e-003	0.0000	19.1565	19.1565	1.4000e-003	0.0000	19.1914
Worker	7.8100e-003	5.0500e-003	0.0564	1.8000e-004	0.0214	1.2000e-004	0.0215	5.6700e-003	1.1000e-004	5.7900e-003	0.0000	16.6486	16.6486	3.6000e-004	0.0000	16.6577
Total	9.5700e-003	0.0746	0.0696	3.8000e-004	0.0264	2.4000e-004	0.0266	7.1100e-003	2.2000e-004	7.3500e-003	0.0000	35.8051	35.8051	1.7600e-003	0.0000	35.8491

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	0.0614	0.5622	0.5891	9.7000e-004		0.0291	0.0291		0.0274	0.0274	0.0000	83.4210	83.4210	0.0200	0.0000	83.9206
Total	0.0614	0.5622	0.5891	9.7000e-004		0.0291	0.0291		0.0274	0.0274	0.0000	83.4210	83.4210	0.0200	0.0000	83.9206

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3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7600e-003	0.0696	0.0132	2.0000e-004	5.0000e-003	1.2000e-004	5.1200e-003	1.4400e-003	1.1000e-004	1.5600e-003	0.0000	19.1565	19.1565	1.4000e-003	0.0000	19.1914
Worker	7.8100e-003	5.0500e-003	0.0564	1.8000e-004	0.0214	1.2000e-004	0.0215	5.6700e-003	1.1000e-004	5.7900e-003	0.0000	16.6486	16.6486	3.6000e-004	0.0000	16.6577
Total	9.5700e-003	0.0746	0.0696	3.8000e-004	0.0264	2.4000e-004	0.0266	7.1100e-003	2.2000e-004	7.3500e-003	0.0000	35.8051	35.8051	1.7600e-003	0.0000	35.8491

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1243	1.1364	1.2833	2.1300e-003		0.0553	0.0553		0.0520	0.0520	0.0000	183.1258	183.1258	0.0436	0.0000	184.2148
Total	0.1243	1.1364	1.2833	2.1300e-003		0.0553	0.0553		0.0520	0.0520	0.0000	183.1258	183.1258	0.0436	0.0000	184.2148

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3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9600e-003	0.1142	0.0253	4.3000e-004	0.0110	1.2000e-004	0.0111	3.1700e-003	1.1000e-004	3.2800e-003	0.0000	40.9303	40.9303	2.3500e-003	0.0000	40.9889
Worker	0.0161	0.0100	0.1140	3.9000e-004	0.0469	2.7000e-004	0.0472	0.0125	2.5000e-004	0.0127	0.0000	35.1479	35.1479	7.1000e-004	0.0000	35.1657
Total	0.0191	0.1242	0.1393	8.2000e-004	0.0579	3.9000e-004	0.0583	0.0156	3.6000e-004	0.0160	0.0000	76.0781	76.0781	3.0600e-003	0.0000	76.1546

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	0.1243	1.1364	1.2833	2.1300e-003		0.0553	0.0553		0.0520	0.0520	0.0000	183.1255	183.1255	0.0436	0.0000	184.2146
Total	0.1243	1.1364	1.2833	2.1300e-003		0.0553	0.0553		0.0520	0.0520	0.0000	183.1255	183.1255	0.0436	0.0000	184.2146

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3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9600e-003	0.1142	0.0253	4.3000e-004	0.0110	1.2000e-004	0.0111	3.1700e-003	1.1000e-004	3.2800e-003	0.0000	40.9303	40.9303	2.3500e-003	0.0000	40.9889
Worker	0.0161	0.0100	0.1140	3.9000e-004	0.0469	2.7000e-004	0.0472	0.0125	2.5000e-004	0.0127	0.0000	35.1479	35.1479	7.1000e-004	0.0000	35.1657
Total	0.0191	0.1242	0.1393	8.2000e-004	0.0579	3.9000e-004	0.0583	0.0156	3.6000e-004	0.0160	0.0000	76.0781	76.0781	3.0600e-003	0.0000	76.1546

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565
Paving	2.1200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0104	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565

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3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	4.2000e-004	4.8100e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.4830	1.4830	3.0000e-005	0.0000	1.4838
Total	6.8000e-004	4.2000e-004	4.8100e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.4830	1.4830	3.0000e-005	0.0000	1.4838

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565
Paving	2.1200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0104	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565

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3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	4.2000e-004	4.8100e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.4830	1.4830	3.0000e-005	0.0000	1.4838
Total	6.8000e-004	4.2000e-004	4.8100e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.4830	1.4830	3.0000e-005	0.0000	1.4838

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
Total	0.1990	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014

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3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	2.5000e-004	2.8900e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8898	0.8898	2.0000e-005	0.0000	0.8903
Total	4.1000e-004	2.5000e-004	2.8900e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8898	0.8898	2.0000e-005	0.0000	0.8903

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	0.1973					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
Total	0.1990	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014

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3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	2.5000e-004	2.8900e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8898	0.8898	2.0000e-005	0.0000	0.8903
Total	4.1000e-004	2.5000e-004	2.8900e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8898	0.8898	2.0000e-005	0.0000	0.8903

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	0.1494	1.0984	1.8136	8.9400e-003	0.7273	5.1200e-003	0.7324	0.1948	4.7700e-003	0.1996	0.0000	829.8985	829.8985	0.0366	0.0000	830.8131
Unmitigated	0.1494	1.0984	1.8136	8.9400e-003	0.7273	5.1200e-003	0.7324	0.1948	4.7700e-003	0.1996	0.0000	829.8985	829.8985	0.0366	0.0000	830.8131

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	810.00	330.80	35.60	1,905,587	1,905,587
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	810.00	330.80	35.60	1,905,587	1,905,587

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
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840
Other Non-Asphalt Surfaces	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840
Parking Lot	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840

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	77.9512	77.9512	3.1700e-003	6.9000e-004	78.2355
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	77.9512	77.9512	3.1700e-003	6.9000e-004	78.2355
NaturalGas Mitigated	2.6600e-003	0.0242	0.0203	1.5000e-004		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	26.3617	26.3617	5.1000e-004	4.8000e-004	26.5184
NaturalGas Unmitigated	2.6600e-003	0.0242	0.0203	1.5000e-004		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	26.3617	26.3617	5.1000e-004	4.8000e-004	26.5184

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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					
Junior College (2Yr)	494000	2.6600e-003	0.0242	0.0203	1.5000e-004		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	26.3617	26.3617	5.1000e-004	4.8000e-004	26.5184
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.6600e-003	0.0242	0.0203	1.5000e-004		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	26.3617	26.3617	5.1000e-004	4.8000e-004	26.5184

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					
Junior College (2Yr)	494000	2.6600e-003	0.0242	0.0203	1.5000e-004		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	26.3617	26.3617	5.1000e-004	4.8000e-004	26.5184
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.6600e-003	0.0242	0.0203	1.5000e-004		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	26.3617	26.3617	5.1000e-004	4.8000e-004	26.5184

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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			
Junior College (2Yr)	281200	72.2189	2.9300e-003	6.4000e-004	72.4823
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	22320	5.7323	2.3000e-004	5.0000e-005	5.7532
Total		77.9512	3.1600e-003	6.9000e-004	78.2355

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	281200	72.2189	2.9300e-003	6.4000e-004	72.4823
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	22320	5.7323	2.3000e-004	5.0000e-005	5.7532
Total		77.9512	3.1600e-003	6.9000e-004	78.2355

6.0 Area Detail

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6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1701	3.0000e-005	2.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7900e-003	5.7900e-003	2.0000e-005	0.0000	6.1700e-003
Unmitigated	0.1701	3.0000e-005	2.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7900e-003	5.7900e-003	2.0000e-005	0.0000	6.1700e-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	0.0197					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1501					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7000e-004	3.0000e-005	2.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7900e-003	5.7900e-003	2.0000e-005	0.0000	6.1700e-003
Total	0.1701	3.0000e-005	2.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7900e-003	5.7900e-003	2.0000e-005	0.0000	6.1700e-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	0.0197					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1501					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7000e-004	3.0000e-005	2.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7900e-003	5.7900e-003	2.0000e-005	0.0000	6.1700e-003
Total	0.1701	3.0000e-005	2.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7900e-003	5.7900e-003	2.0000e-005	0.0000	6.1700e-003

7.0 Water Detail

7.1 Mitigation Measures Water

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	15.9394	0.0646	1.6400e-003	18.0434
Unmitigated	15.9394	0.0646	1.6400e-003	18.0434

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	1.96196 / 3.06871	15.9394	0.0646	1.6400e-003	18.0434
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		15.9394	0.0646	1.6400e-003	18.0434

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	1.96196 / 3.06871	15.9394	0.0646	1.6400e-003	18.0434
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		15.9394	0.0646	1.6400e-003	18.0434

8.0 Waste Detail

8.1 Mitigation Measures Waste

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	10.5555	0.6238	0.0000	26.1509
Unmitigated	10.5555	0.6238	0.0000	26.1509

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	52	10.5555	0.6238	0.0000	26.1509
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		10.5555	0.6238	0.0000	26.1509

RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	52	10.5555	0.6238	0.0000	26.1509
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		10.5555	0.6238	0.0000	26.1509

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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RCCD Ben Clark Training Center - Phase II - Riverside-South Coast County, Annual

11.0 Vegetation

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

RCCD Ben Clark Training Center - Phase II - LST
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	40.00	1000sqft	3.04	40,000.00	0
Other Non-Asphalt Surfaces	13.50	1000sqft	0.31	13,500.00	0
Parking Lot	180.00	Space	1.62	72,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	566.2	CH4 Intensity (lb/MW hr)	0.023	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

Project Characteristics - See section 1.0 Project Characteristics. GHG intensity factor adjusted for 2018 power content label assuming 36% eligible renewables.

Land Use - Project-specific land uses.

Construction Phase - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Trips and VMT - CalEEMod default values. Rounded up to even numbers. Assumed 1000ft (0.19 miles) to represent onsite trip portion.

On-road Fugitive Dust - CalEEMod default values.

Demolition - 630 tons of debris.

Grading - CalEEMod default values.

Architectural Coating - CalEEMod default values.

Vehicle Trips - Project specific values.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust -

Woodstoves - No Hearths.

Energy Use - Adjusted per Title 24 2019 energy efficient standards.

Water And Wastewater - CalEEMod default values.

Solid Waste - CalEEMod default values.

Construction Off-road Equipment Mitigation - Water exposed area 2x per day.

Operational Off-Road Equipment - No off-road equipment needed.

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources.

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	3.99	3.56
tblEnergyUse	LightingElect	0.35	0.31
tblEnergyUse	NT24E	1.92	1.71
tblEnergyUse	T24E	1.97	1.76
tblEnergyUse	T24NG	13.82	12.34
tblLandUse	LotAcreage	0.92	3.04
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	566.2
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.19
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripNumber	21.00	22.00
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	53.00	54.00
tblTripsAndVMT	WorkerTripNumber	11.00	12.00
tblVehicleTrips	ST_TR	11.23	8.27
tblVehicleTrips	SU_TR	1.21	0.89
tblVehicleTrips	WD_TR	27.49	20.25

2.0 Emissions Summary

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Energy	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
Mobile	1.0505	7.6205	12.4100	0.0616	5.2158	0.0363	5.2521	1.3952	0.0339	1.4290		6,306.1606	6,306.1606	0.2924		6,313.4712
Total	1.9977	7.7534	12.5453	0.0624	5.2158	0.0465	5.2623	1.3952	0.0440	1.4392		6,465.4381	6,465.4381	0.2956	2.9200e-003	6,473.6983

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	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Energy	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
Mobile	1.0505	7.6205	12.4100	0.0616	5.2158	0.0363	5.2521	1.3952	0.0339	1.4290		6,306.1606	6,306.1606	0.2924		6,313.4712
Total	1.9977	7.7534	12.5453	0.0624	5.2158	0.0465	5.2623	1.3952	0.0440	1.4392		6,465.4381	6,465.4381	0.2956	2.9200e-003	6,473.6983

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/8/2022	9/2/2022	5	20	
2	Site Preparation	Site Preparation	9/3/2022	9/9/2022	5	5	
3	Grading	Grading	9/10/2022	9/21/2022	5	8	
4	Building Construction	Building Construction	9/22/2022	8/9/2023	5	230	
5	Paving	Paving	8/10/2023	9/4/2023	5	18	
6	Architectural Coating	Architectural Coating	9/5/2023	9/28/2023	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.93

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 60,000; Non-Residential Outdoor: 20,000; Striped Parking Area: 5,130 (Architectural Coating – sqft)

OffRoad Equipment

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	62.00	0.19	0.00	0.19	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Grading	6	16.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	54.00	22.00	0.00	0.19	0.19	0.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6782	0.0000	0.6782	0.1027	0.0000	0.1027			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.781 2	3,746.781 2	1.0524		3,773.092 0
Total	2.6392	25.7194	20.5941	0.0388	0.6782	1.2427	1.9209	0.1027	1.1553	1.2580		3,746.781 2	3,746.781 2	1.0524		3,773.092 0

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.3200e-003	0.3058	0.0398	4.1000e-004	5.8000e-004	1.1000e-004	7.0000e-004	1.6000e-004	1.1000e-004	2.7000e-004		43.1955	43.1955	0.0107		43.4625
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0155	4.5000e-003	0.0664	5.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.1536	5.1536	3.4000e-004		5.1622
Total	0.0219	0.3103	0.1062	4.6000e-004	3.0500e-003	2.2000e-004	3.2800e-003	8.3000e-004	2.1000e-004	1.0500e-003		48.3491	48.3491	0.0110		48.6247

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					0.3052	0.0000	0.3052	0.0462	0.0000	0.0462			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.3052	1.2427	1.5479	0.0462	1.1553	1.2015	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.3200e-003	0.3058	0.0398	4.1000e-004	5.8000e-004	1.1000e-004	7.0000e-004	1.6000e-004	1.1000e-004	2.7000e-004		43.1955	43.1955	0.0107		43.4625
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0155	4.5000e-003	0.0664	5.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.1536	5.1536	3.4000e-004		5.1622
Total	0.0219	0.3103	0.1062	4.6000e-004	3.0500e-003	2.2000e-004	3.2800e-003	8.3000e-004	2.1000e-004	1.0500e-003		48.3491	48.3491	0.0110		48.6247

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0175	5.0600e-003	0.0747	6.0000e-005	2.7800e-003	1.2000e-004	2.9000e-003	7.6000e-004	1.1000e-004	8.7000e-004		5.7978	5.7978	3.9000e-004		5.8074
Total	0.0175	5.0600e-003	0.0747	6.0000e-005	2.7800e-003	1.2000e-004	2.9000e-003	7.6000e-004	1.1000e-004	8.7000e-004		5.7978	5.7978	3.9000e-004		5.8074

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	8.1298	1.6126	9.7424	4.4688	1.4836	5.9524	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0175	5.0600e-003	0.0747	6.0000e-005	2.7800e-003	1.2000e-004	2.9000e-003	7.6000e-004	1.1000e-004	8.7000e-004		5.7978	5.7978	3.9000e-004		5.8074
Total	0.0175	5.0600e-003	0.0747	6.0000e-005	2.7800e-003	1.2000e-004	2.9000e-003	7.6000e-004	1.1000e-004	8.7000e-004		5.7978	5.7978	3.9000e-004		5.8074

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	6.5523	0.9409	7.4932	3.3675	0.8656	4.2331		2,872.0464	2,872.0464	0.9289		2,895.2684

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0155	4.5000e-003	0.0664	5.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.1536	5.1536	3.4000e-004		5.1622
Total	0.0155	4.5000e-003	0.0664	5.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.1536	5.1536	3.4000e-004		5.1622

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					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	2.9486	0.9409	3.8894	1.5154	0.8656	2.3810	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0155	4.5000e-003	0.0664	5.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.1536	5.1536	3.4000e-004		5.1622
Total	0.0155	4.5000e-003	0.0664	5.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.1536	5.1536	3.4000e-004		5.1622

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0328	1.3851	0.2894	1.5700e-003	4.4400e-003	4.9000e-004	4.9400e-003	1.3400e-003	4.7000e-004	1.8100e-003		165.4699	165.4699	0.0396		166.4598
Worker	0.0524	0.0152	0.2240	1.8000e-004	8.3300e-003	3.7000e-004	8.7000e-003	2.2800e-003	3.4000e-004	2.6200e-003		17.3933	17.3933	1.1600e-003		17.4223
Total	0.0852	1.4003	0.5134	1.7500e-003	0.0128	8.6000e-004	0.0136	3.6200e-003	8.1000e-004	4.4300e-003		182.8632	182.8632	0.0408		183.8822

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0328	1.3851	0.2894	1.5700e-003	4.4400e-003	4.9000e-004	4.9400e-003	1.3400e-003	4.7000e-004	1.8100e-003		165.4699	165.4699	0.0396		166.4598
Worker	0.0524	0.0152	0.2240	1.8000e-004	8.3300e-003	3.7000e-004	8.7000e-003	2.2800e-003	3.4000e-004	2.6200e-003		17.3933	17.3933	1.1600e-003		17.4223
Total	0.0852	1.4003	0.5134	1.7500e-003	0.0128	8.6000e-004	0.0136	3.6200e-003	8.1000e-004	4.4300e-003		182.8632	182.8632	0.0408		183.8822

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0252	1.1929	0.2443	1.5000e-003	4.4400e-003	2.3000e-004	4.6700e-003	1.3400e-003	2.2000e-004	1.5600e-003		158.8761	158.8761	0.0290		159.6018
Worker	0.0483	0.0135	0.2032	1.7000e-004	8.3300e-003	3.6000e-004	8.6900e-003	2.2800e-003	3.3000e-004	2.6100e-003		16.7622	16.7622	1.0300e-003		16.7879
Total	0.0735	1.2064	0.4475	1.6700e-003	0.0128	5.9000e-004	0.0134	3.6200e-003	5.5000e-004	4.1700e-003		175.6382	175.6382	0.0301		176.3897

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0252	1.1929	0.2443	1.5000e-003	4.4400e-003	2.3000e-004	4.6700e-003	1.3400e-003	2.2000e-004	1.5600e-003		158.8761	158.8761	0.0290		159.6018
Worker	0.0483	0.0135	0.2032	1.7000e-004	8.3300e-003	3.6000e-004	8.6900e-003	2.2800e-003	3.3000e-004	2.6100e-003		16.7622	16.7622	1.0300e-003		16.7879
Total	0.0735	1.2064	0.4475	1.6700e-003	0.0128	5.9000e-004	0.0134	3.6200e-003	5.5000e-004	4.1700e-003		175.6382	175.6382	0.0301		176.3897

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1539	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0179	5.0000e-003	0.0753	6.0000e-005	3.0800e-003	1.3000e-004	3.2200e-003	8.4000e-004	1.2000e-004	9.7000e-004		6.2082	6.2082	3.8000e-004		6.2177
Total	0.0179	5.0000e-003	0.0753	6.0000e-005	3.0800e-003	1.3000e-004	3.2200e-003	8.4000e-004	1.2000e-004	9.7000e-004		6.2082	6.2082	3.8000e-004		6.2177

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	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1539	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0179	5.0000e-003	0.0753	6.0000e-005	3.0800e-003	1.3000e-004	3.2200e-003	8.4000e-004	1.2000e-004	9.7000e-004		6.2082	6.2082	3.8000e-004		6.2177
Total	0.0179	5.0000e-003	0.0753	6.0000e-005	3.0800e-003	1.3000e-004	3.2200e-003	8.4000e-004	1.2000e-004	9.7000e-004		6.2082	6.2082	3.8000e-004		6.2177

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.9210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	22.1126	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0107	3.0000e-003	0.0452	4.0000e-005	1.8500e-003	8.0000e-005	1.9300e-003	5.1000e-004	7.0000e-005	5.8000e-004		3.7249	3.7249	2.3000e-004		3.7306
Total	0.0107	3.0000e-003	0.0452	4.0000e-005	1.8500e-003	8.0000e-005	1.9300e-003	5.1000e-004	7.0000e-005	5.8000e-004		3.7249	3.7249	2.3000e-004		3.7306

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	21.9210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	22.1126	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0107	3.0000e-003	0.0452	4.0000e-005	1.8500e-003	8.0000e-005	1.9300e-003	5.1000e-004	7.0000e-005	5.8000e-004		3.7249	3.7249	2.3000e-004		3.7306
Total	0.0107	3.0000e-003	0.0452	4.0000e-005	1.8500e-003	8.0000e-005	1.9300e-003	5.1000e-004	7.0000e-005	5.8000e-004		3.7249	3.7249	2.3000e-004		3.7306

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0505	7.6205	12.4100	0.0616	5.2158	0.0363	5.2521	1.3952	0.0339	1.4290		6,306.1606	6,306.1606	0.2924		6,313.4712
Unmitigated	1.0505	7.6205	12.4100	0.0616	5.2158	0.0363	5.2521	1.3952	0.0339	1.4290		6,306.1606	6,306.1606	0.2924		6,313.4712

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	810.00	330.80	35.60	1,905,587	1,905,587
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	810.00	330.80	35.60	1,905,587	1,905,587

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
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840
Other Non-Asphalt Surfaces	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840
Parking Lot	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840

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	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
NaturalGas Unmitigated	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1353.42	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726

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					
Junior College (2Yr)	1.35342	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726

6.0 Area Detail

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Unmitigated	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544

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	0.1081					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2000e-003	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Total	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1081					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2000e-003	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Total	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544

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

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, 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

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Summer

RCCD Ben Clark Training Center - Phase II - LST
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	40.00	1000sqft	3.04	40,000.00	0
Other Non-Asphalt Surfaces	13.50	1000sqft	0.31	13,500.00	0
Parking Lot	180.00	Space	1.62	72,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	566.2	CH4 Intensity (lb/MW hr)	0.023	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Summer

Project Characteristics - See section 1.0 Project Characteristics. GHG intensity factor adjusted for 2018 power content label assuming 36% eligible renewables.

Land Use - Project-specific land uses.

Construction Phase - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Off-road Equipment - CalEEMod default values.

Trips and VMT - CalEEMod default values. Rounded up to even numbers. Assumed 1000ft (0.19 miles) to represent onsite trip portion.

On-road Fugitive Dust - CalEEMod default values.

Demolition - 630 tons of debris.

Grading - CalEEMod default values.

Architectural Coating - CalEEMod default values.

Vehicle Trips - Project specific values.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust -

Woodstoves - No Hearths.

Energy Use - Adjusted per Title 24 2019 energy efficient standards.

Water And Wastewater - CalEEMod default values.

Solid Waste - CalEEMod default values.

Construction Off-road Equipment Mitigation - Water exposed area 2x per day.

Operational Off-Road Equipment - No off-road equipment needed.

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources.

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	3.99	3.56
tblEnergyUse	LightingElect	0.35	0.31
tblEnergyUse	NT24E	1.92	1.71
tblEnergyUse	T24E	1.97	1.76
tblEnergyUse	T24NG	13.82	12.34
tblLandUse	LotAcreage	0.92	3.04
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	566.2
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.19
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripLength	6.90	0.00
tblTripsAndVMT	VendorTripNumber	21.00	22.00
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Summer

tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	53.00	54.00
tblTripsAndVMT	WorkerTripNumber	11.00	12.00
tblVehicleTrips	ST_TR	11.23	8.27
tblVehicleTrips	SU_TR	1.21	0.89
tblVehicleTrips	WD_TR	27.49	20.25

2.0 Emissions Summary

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Energy	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
Mobile	1.2544	7.6666	14.3430	0.0667	5.2158	0.0361	5.2519	1.3952	0.0336	1.4288		6,823.8166	6,823.8166	0.2837		6,830.9099
Total	2.2016	7.7995	14.4783	0.0675	5.2158	0.0463	5.2621	1.3952	0.0438	1.4390		6,983.0941	6,983.0941	0.2869	2.9200e-003	6,991.1370

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	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Energy	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
Mobile	1.2544	7.6666	14.3430	0.0667	5.2158	0.0361	5.2519	1.3952	0.0336	1.4288		6,823.8166	6,823.8166	0.2837		6,830.9099
Total	2.2016	7.7995	14.4783	0.0675	5.2158	0.0463	5.2621	1.3952	0.0438	1.4390		6,983.0941	6,983.0941	0.2869	2.9200e-003	6,991.1370

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/8/2022	9/2/2022	5	20	
2	Site Preparation	Site Preparation	9/3/2022	9/9/2022	5	5	
3	Grading	Grading	9/10/2022	9/21/2022	5	8	
4	Building Construction	Building Construction	9/22/2022	8/9/2023	5	230	
5	Paving	Paving	8/10/2023	9/4/2023	5	18	
6	Architectural Coating	Architectural Coating	9/5/2023	9/28/2023	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.93

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 60,000; Non-Residential Outdoor: 20,000; Striped Parking Area: 5,130 (Architectural Coating – sqft)

OffRoad Equipment

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	16.00	0.00	62.00	0.19	0.00	0.19	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Grading	6	16.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	54.00	22.00	0.00	0.19	0.19	0.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	0.00	0.00	0.19	0.00	0.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6782	0.0000	0.6782	0.1027	0.0000	0.1027			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.781 2	3,746.781 2	1.0524		3,773.092 0
Total	2.6392	25.7194	20.5941	0.0388	0.6782	1.2427	1.9209	0.1027	1.1553	1.2580		3,746.781 2	3,746.781 2	1.0524		3,773.092 0

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Summer

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.5600e-003	0.3186	0.0255	4.7000e-004	5.8000e-004	9.0000e-005	6.7000e-004	1.6000e-004	8.0000e-005	2.5000e-004		49.4022	49.4022	9.3800e-003		49.6369
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0214	4.3400e-003	0.0606	6.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.4844	5.4844	3.1000e-004		5.4921
Total	0.0270	0.3229	0.0860	5.3000e-004	3.0500e-003	2.0000e-004	3.2500e-003	8.3000e-004	1.8000e-004	1.0300e-003		54.8866	54.8866	9.6900e-003		55.1290

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					0.3052	0.0000	0.3052	0.0462	0.0000	0.0462			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.3052	1.2427	1.5479	0.0462	1.1553	1.2015	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Summer

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.5600e-003	0.3186	0.0255	4.7000e-004	5.8000e-004	9.0000e-005	6.7000e-004	1.6000e-004	8.0000e-005	2.5000e-004		49.4022	49.4022	9.3800e-003		49.6369
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0214	4.3400e-003	0.0606	6.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.4844	5.4844	3.1000e-004		5.4921
Total	0.0270	0.3229	0.0860	5.3000e-004	3.0500e-003	2.0000e-004	3.2500e-003	8.3000e-004	1.8000e-004	1.0300e-003		54.8866	54.8866	9.6900e-003		55.1290

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

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3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0241	4.8900e-003	0.0681	6.0000e-005	2.7800e-003	1.2000e-004	2.9000e-003	7.6000e-004	1.1000e-004	8.7000e-004		6.1699	6.1699	3.5000e-004		6.1786
Total	0.0241	4.8900e-003	0.0681	6.0000e-005	2.7800e-003	1.2000e-004	2.9000e-003	7.6000e-004	1.1000e-004	8.7000e-004		6.1699	6.1699	3.5000e-004		6.1786

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	8.1298	1.6126	9.7424	4.4688	1.4836	5.9524	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Summer

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0241	4.8900e-003	0.0681	6.0000e-005	2.7800e-003	1.2000e-004	2.9000e-003	7.6000e-004	1.1000e-004	8.7000e-004		6.1699	6.1699	3.5000e-004		6.1786
Total	0.0241	4.8900e-003	0.0681	6.0000e-005	2.7800e-003	1.2000e-004	2.9000e-003	7.6000e-004	1.1000e-004	8.7000e-004		6.1699	6.1699	3.5000e-004		6.1786

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	6.5523	0.9409	7.4932	3.3675	0.8656	4.2331		2,872.0464	2,872.0464	0.9289		2,895.2684

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3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0214	4.3400e-003	0.0606	6.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.4844	5.4844	3.1000e-004		5.4921
Total	0.0214	4.3400e-003	0.0606	6.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.4844	5.4844	3.1000e-004		5.4921

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					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	2.9486	0.9409	3.8894	1.5154	0.8656	2.3810	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684

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3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0214	4.3400e-003	0.0606	6.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.4844	5.4844	3.1000e-004		5.4921
Total	0.0214	4.3400e-003	0.0606	6.0000e-005	2.4700e-003	1.1000e-004	2.5800e-003	6.7000e-004	1.0000e-004	7.8000e-004		5.4844	5.4844	3.1000e-004		5.4921

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

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3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0299	1.4303	0.2251	1.7800e-003	4.4400e-003	3.9000e-004	4.8300e-003	1.3400e-003	3.7000e-004	1.7100e-003		188.0156	188.0156	0.0349		188.8877
Worker	0.0722	0.0147	0.2044	1.9000e-004	8.3300e-003	3.7000e-004	8.7000e-003	2.2800e-003	3.4000e-004	2.6200e-003		18.5097	18.5097	1.0500e-003		18.5358
Total	0.1021	1.4449	0.4294	1.9700e-003	0.0128	7.6000e-004	0.0135	3.6200e-003	7.1000e-004	4.3300e-003		206.5253	206.5253	0.0359		207.4235

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0299	1.4303	0.2251	1.7800e-003	4.4400e-003	3.9000e-004	4.8300e-003	1.3400e-003	3.7000e-004	1.7100e-003		188.0156	188.0156	0.0349		188.8877
Worker	0.0722	0.0147	0.2044	1.9000e-004	8.3300e-003	3.7000e-004	8.7000e-003	2.2800e-003	3.4000e-004	2.6200e-003		18.5097	18.5097	1.0500e-003		18.5358
Total	0.1021	1.4449	0.4294	1.9700e-003	0.0128	7.6000e-004	0.0135	3.6200e-003	7.1000e-004	4.3300e-003		206.5253	206.5253	0.0359		207.4235

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

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3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0232	1.2246	0.1973	1.7100e-003	4.4400e-003	1.8000e-004	4.6200e-003	1.3400e-003	1.7000e-004	1.5100e-003		180.4733	180.4733	0.0256		181.1139
Worker	0.0667	0.0130	0.1855	1.8000e-004	8.3300e-003	3.6000e-004	8.6900e-003	2.2800e-003	3.3000e-004	2.6100e-003		17.8356	17.8356	9.3000e-004		17.8588
Total	0.0899	1.2376	0.3827	1.8900e-003	0.0128	5.4000e-004	0.0133	3.6200e-003	5.0000e-004	4.1200e-003		198.3089	198.3089	0.0266		198.9727

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0232	1.2246	0.1973	1.7100e-003	4.4400e-003	1.8000e-004	4.6200e-003	1.3400e-003	1.7000e-004	1.5100e-003		180.4733	180.4733	0.0256		181.1139
Worker	0.0667	0.0130	0.1855	1.8000e-004	8.3300e-003	3.6000e-004	8.6900e-003	2.2800e-003	3.3000e-004	2.6100e-003		17.8356	17.8356	9.3000e-004		17.8588
Total	0.0899	1.2376	0.3827	1.8900e-003	0.0128	5.4000e-004	0.0133	3.6200e-003	5.0000e-004	4.1200e-003		198.3089	198.3089	0.0266		198.9727

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1539	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

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3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0247	4.8300e-003	0.0687	7.0000e-005	3.0800e-003	1.3000e-004	3.2200e-003	8.4000e-004	1.2000e-004	9.7000e-004		6.6058	6.6058	3.4000e-004		6.6144
Total	0.0247	4.8300e-003	0.0687	7.0000e-005	3.0800e-003	1.3000e-004	3.2200e-003	8.4000e-004	1.2000e-004	9.7000e-004		6.6058	6.6058	3.4000e-004		6.6144

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	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1539	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

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3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0247	4.8300e-003	0.0687	7.0000e-005	3.0800e-003	1.3000e-004	3.2200e-003	8.4000e-004	1.2000e-004	9.7000e-004		6.6058	6.6058	3.4000e-004		6.6144
Total	0.0247	4.8300e-003	0.0687	7.0000e-005	3.0800e-003	1.3000e-004	3.2200e-003	8.4000e-004	1.2000e-004	9.7000e-004		6.6058	6.6058	3.4000e-004		6.6144

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.9210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	22.1126	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0148	2.9000e-003	0.0412	4.0000e-005	1.8500e-003	8.0000e-005	1.9300e-003	5.1000e-004	7.0000e-005	5.8000e-004		3.9635	3.9635	2.1000e-004		3.9686
Total	0.0148	2.9000e-003	0.0412	4.0000e-005	1.8500e-003	8.0000e-005	1.9300e-003	5.1000e-004	7.0000e-005	5.8000e-004		3.9635	3.9635	2.1000e-004		3.9686

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	21.9210					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	22.1126	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Summer

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0148	2.9000e-003	0.0412	4.0000e-005	1.8500e-003	8.0000e-005	1.9300e-003	5.1000e-004	7.0000e-005	5.8000e-004		3.9635	3.9635	2.1000e-004		3.9686
Total	0.0148	2.9000e-003	0.0412	4.0000e-005	1.8500e-003	8.0000e-005	1.9300e-003	5.1000e-004	7.0000e-005	5.8000e-004		3.9635	3.9635	2.1000e-004		3.9686

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2544	7.6666	14.3430	0.0667	5.2158	0.0361	5.2519	1.3952	0.0336	1.4288		6,823.8166	6,823.8166	0.2837		6,830.9099
Unmitigated	1.2544	7.6666	14.3430	0.0667	5.2158	0.0361	5.2519	1.3952	0.0336	1.4288		6,823.8166	6,823.8166	0.2837		6,830.9099

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	810.00	330.80	35.60	1,905,587	1,905,587
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	810.00	330.80	35.60	1,905,587	1,905,587

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
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840
Other Non-Asphalt Surfaces	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840
Parking Lot	0.551648	0.035769	0.187848	0.110184	0.013450	0.004660	0.017552	0.070120	0.001413	0.001134	0.004476	0.000905	0.000840

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	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
NaturalGas Unmitigated	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1353.42	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726

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					
Junior College (2Yr)	1.35342	0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0146	0.1327	0.1115	8.0000e-004		0.0101	0.0101		0.0101	0.0101		159.2264	159.2264	3.0500e-003	2.9200e-003	160.1726

6.0 Area Detail

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Summer

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Unmitigated	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544

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	0.1081					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2000e-003	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Total	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1081					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.2000e-003	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544
Total	0.9326	2.2000e-004	0.0238	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0511	0.0511	1.3000e-004		0.0544

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

RCCD Ben Clark Training Center - Phase II - LST - Riverside-South Coast County, 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
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

RCCD Ben Clark Training Center Operational - South Coast AQMD Air District, Winter

RCCD Ben Clark Training Center Operational
South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	54.13	1000sqft	1.24	54,130.00	0
Other Non-Asphalt Surfaces	27.00	1000sqft	0.62	27,000.00	0
Parking Lot	264.00	1000sqft	6.06	264,000.00	0
User Defined Recreational	41.00	User Defined Unit	0.94	41,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	566	CH4 Intensity (lb/MW hr)	0.023	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

RCCD Ben Clark Training Center Operational - South Coast AQMD Air District, Winter

Project Characteristics - See section 1.0 Project Characteristics. GHG intensity factor adjusted for 2018 power content label assuming 36% eligible renewables.

Land Use - Construction values not included in model. Operational output only.

Construction Phase - Construction values not included in model. Operational output only.

Off-road Equipment - Construction values not included in model. Operational output only.

Trips and VMT - Construction values not included in model. Operational output only.

Vehicle Trips - Weekday trip rate from traffic analysis. Weekend trip rates scaled based on CalEEMod default values and project-specific weekday trip rate.

Vehicle Emission Factors - CalEEMod default values.

Vehicle Emission Factors - CalEEMod default values.

Vehicle Emission Factors - CalEEMod default values.

Road Dust - CalEEMod default values.

Woodstoves - CalEEMod default values (no woodstoves or fireplaces).

Consumer Products - CalEEMod default values.

Area Coating - CalEEMod default values.

Landscape Equipment - CalEEMod default values.

Energy Use - CalEEMod default values for Non-Title 24 and Lighting. Adjustments to Title 24 values to reflect 2019 Title 24 compliance.

Water And Wastewater - CalEEMod default values.

Solid Waste - CalEEMod default values.

RCCD Ben Clark Training Center Operational - South Coast AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	1.00
tblEnergyUse	T24E	1.97	1.76
tblEnergyUse	T24NG	13.82	13.68
tblLandUse	LandUseSquareFeet	0.00	41,000.00
tblLandUse	LotAcreage	0.00	0.94
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	566
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	VendorTripNumber	63.00	0.00
tblTripsAndVMT	WorkerTripNumber	162.00	0.00
tblVehicleTrips	ST_TR	11.23	8.27
tblVehicleTrips	SU_TR	1.21	0.89
tblVehicleTrips	WD_TR	27.49	20.25

2.0 Emissions Summary

RCCD Ben Clark Training Center Operational - 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	2.2541	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Energy	0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8524	238.8524	4.5800e-003	4.3800e-003	240.2718
Mobile	1.4894	7.1405	18.7908	0.0770	7.0392	0.0563	7.0955	1.8832	0.0523	1.9355		7,861.3847	7,861.3847	0.3584		7,870.3452
Total	3.7653	7.3399	18.9974	0.0782	7.0392	0.0715	7.1108	1.8832	0.0676	1.9508		8,100.3217	8,100.3217	0.3632	4.3800e-003	8,110.7070

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2541	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Energy	0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8524	238.8524	4.5800e-003	4.3800e-003	240.2718
Mobile	1.4894	7.1405	18.7908	0.0770	7.0392	0.0563	7.0955	1.8832	0.0523	1.9355		7,861.3847	7,861.3847	0.3584		7,870.3452
Total	3.7653	7.3399	18.9974	0.0782	7.0392	0.0715	7.1108	1.8832	0.0676	1.9508		8,100.3217	8,100.3217	0.3632	4.3800e-003	8,110.7070

RCCD Ben Clark Training Center Operational - 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	Building Construction	Building Construction	4/22/2021	4/22/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 6.68

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

RCCD Ben Clark Training Center Operational - 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
Building Construction	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2021

Unmitigated Construction On-Site

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

RCCD Ben Clark Training Center Operational - South Coast AQMD Air District, Winter

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

RCCD Ben Clark Training Center Operational - South Coast AQMD Air District, Winter

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

RCCD Ben Clark Training Center Operational - 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	1.4894	7.1405	18.7908	0.0770	7.0392	0.0563	7.0955	1.8832	0.0523	1.9355		7,861.3847	7,861.3847	0.3584		7,870.3452
Unmitigated	1.4894	7.1405	18.7908	0.0770	7.0392	0.0563	7.0955	1.8832	0.0523	1.9355		7,861.3847	7,861.3847	0.3584		7,870.3452

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,096.13	447.66	48.18	2,578,736	2,578,736
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Recreational	0.00	0.00	0.00		
Total	1,096.13	447.66	48.18	2,578,736	2,578,736

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
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Recreational	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

RCCD Ben Clark Training Center Operational - South Coast AQMD Air District, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Other Non-Asphalt Surfaces	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Parking Lot	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
User Defined Recreational	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845

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	0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8524	238.8524	4.5800e-003	4.3800e-003	240.2718
NaturalGas Unmitigated	0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8524	238.8524	4.5800e-003	4.3800e-003	240.2718

RCCD Ben Clark Training Center Operational - 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					
Junior College (2Yr)	2030.25	0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8524	238.8524	4.5800e-003	4.3800e-003	240.2718
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	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		0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8524	238.8524	4.5800e-003	4.3800e-003	240.2718

RCCD Ben Clark Training Center Operational - South Coast AQMD Air District, Winter

5.2 Energy by Land Use - NaturalGas

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					
Junior College (2Yr)	2.03025	0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8524	238.8524	4.5800e-003	4.3800e-003	240.2718
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	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		0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8524	238.8524	4.5800e-003	4.3800e-003	240.2718

6.0 Area Detail

6.1 Mitigation Measures Area

RCCD Ben Clark Training Center Operational - 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	2.2541	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Unmitigated	2.2541	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900

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	0.2638					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.6300e-003	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Total	2.2541	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900

RCCD Ben Clark Training Center Operational - 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	0.2638					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.6300e-003	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Total	2.2541	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900

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

RCCD Ben Clark Training Center Operational - 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

RCCD Ben Clark Training Center Operational - South Coast AQMD Air District, Summer

RCCD Ben Clark Training Center Operational
South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	54.13	1000sqft	1.24	54,130.00	0
Other Non-Asphalt Surfaces	27.00	1000sqft	0.62	27,000.00	0
Parking Lot	264.00	1000sqft	6.06	264,000.00	0
User Defined Recreational	41.00	User Defined Unit	0.94	41,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	566	CH4 Intensity (lb/MW hr)	0.023	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

RCCD Ben Clark Training Center Operational - South Coast AQMD Air District, Summer

Project Characteristics - See section 1.0 Project Characteristics. GHG intensity factor adjusted for 2018 power content label assuming 36% eligible renewables.

Land Use - Construction values not included in model. Operational output only.

Construction Phase - Construction values not included in model. Operational output only.

Off-road Equipment - Construction values not included in model. Operational output only.

Trips and VMT - Construction values not included in model. Operational output only.

Vehicle Trips - Weekday trip rate from traffic analysis. Weekend trip rates scaled based on CalEEMod default values and project-specific weekday trip rate.

Vehicle Emission Factors - CalEEMod default values.

Vehicle Emission Factors - CalEEMod default values.

Vehicle Emission Factors - CalEEMod default values.

Road Dust - CalEEMod default values.

Woodstoves - CalEEMod default values (no woodstoves or fireplaces).

Consumer Products - CalEEMod default values.

Area Coating - CalEEMod default values.

Landscape Equipment - CalEEMod default values.

Energy Use - CalEEMod default values for Non-Title 24 and Lighting. Adjustments to Title 24 values to reflect 2019 Title 24 compliance.

Water And Wastewater - CalEEMod default values.

Solid Waste - CalEEMod default values.

RCCD Ben Clark Training Center Operational - South Coast AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	1.00
tblEnergyUse	T24E	1.97	1.76
tblEnergyUse	T24NG	13.82	13.68
tblLandUse	LandUseSquareFeet	0.00	41,000.00
tblLandUse	LotAcreage	0.00	0.94
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	566
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	VendorTripNumber	63.00	0.00
tblTripsAndVMT	WorkerTripNumber	162.00	0.00
tblVehicleTrips	ST_TR	11.23	8.27
tblVehicleTrips	SU_TR	1.21	0.89
tblVehicleTrips	WD_TR	27.49	20.25

2.0 Emissions Summary

RCCD Ben Clark Training Center Operational - 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	2.2541	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Energy	0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8524	238.8524	4.5800e-003	4.3800e-003	240.2718
Mobile	1.5748	7.0274	20.0923	0.0814	7.0392	0.0560	7.0952	1.8832	0.0521	1.9353		8,298.5321	8,298.5321	0.3581		8,307.4845
Total	3.8508	7.2268	20.2989	0.0826	7.0392	0.0713	7.1105	1.8832	0.0673	1.9506		8,537.4691	8,537.4691	0.3629	4.3800e-003	8,547.8463

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2541	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Energy	0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8524	238.8524	4.5800e-003	4.3800e-003	240.2718
Mobile	1.5748	7.0274	20.0923	0.0814	7.0392	0.0560	7.0952	1.8832	0.0521	1.9353		8,298.5321	8,298.5321	0.3581		8,307.4845
Total	3.8508	7.2268	20.2989	0.0826	7.0392	0.0713	7.1105	1.8832	0.0673	1.9506		8,537.4691	8,537.4691	0.3629	4.3800e-003	8,547.8463

RCCD Ben Clark Training Center Operational - 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	Building Construction	Building Construction	4/22/2021	4/22/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 6.68

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

RCCD Ben Clark Training Center Operational - 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
Building Construction	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2021

Unmitigated Construction On-Site

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

RCCD Ben Clark Training Center Operational - South Coast AQMD Air District, Summer

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

RCCD Ben Clark Training Center Operational - South Coast AQMD Air District, Summer

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

RCCD Ben Clark Training Center Operational - 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	1.5748	7.0274	20.0923	0.0814	7.0392	0.0560	7.0952	1.8832	0.0521	1.9353		8,298.5321	8,298.5321	0.3581		8,307.4845
Unmitigated	1.5748	7.0274	20.0923	0.0814	7.0392	0.0560	7.0952	1.8832	0.0521	1.9353		8,298.5321	8,298.5321	0.3581		8,307.4845

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,096.13	447.66	48.18	2,578,736	2,578,736
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Recreational	0.00	0.00	0.00		
Total	1,096.13	447.66	48.18	2,578,736	2,578,736

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
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Recreational	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

RCCD Ben Clark Training Center Operational - South Coast AQMD Air District, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Other Non-Asphalt Surfaces	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Parking Lot	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
User Defined Recreational	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8524	238.8524	4.5800e-003	4.3800e-003	240.2718
NaturalGas Unmitigated	0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8524	238.8524	4.5800e-003	4.3800e-003	240.2718

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	2030.25	0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8524	238.8524	4.5800e-003	4.3800e-003	240.2718
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	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		0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8524	238.8524	4.5800e-003	4.3800e-003	240.2718

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5.2 Energy by Land Use - NaturalGas

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					
Junior College (2Yr)	2.03025	0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8524	238.8524	4.5800e-003	4.3800e-003	240.2718
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	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		0.0219	0.1990	0.1672	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.8524	238.8524	4.5800e-003	4.3800e-003	240.2718

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2541	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Unmitigated	2.2541	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900

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	0.2638					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.6300e-003	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Total	2.2541	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2638					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.6300e-003	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Total	2.2541	3.6000e-004	0.0394	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900

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

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

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

Equipment Type	Number
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11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	54.13	1000sqft	1.24	54,130.00	0
Other Non-Asphalt Surfaces	27.00	1000sqft	0.62	27,000.00	0
Parking Lot	264.00	1000sqft	6.06	264,000.00	0
User Defined Recreational	41.00	User Defined Unit	0.94	41,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	566	CH4 Intensity (lb/MW hr)	0.023	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - See section 1.0 Project Characteristics. GHG intensity factor adjusted for 2018 power content label assuming 36% eligible renewables.

Land Use - Construction values not included in model. Operational output only.

Construction Phase - Construction values not included in model. Operational output only.

Off-road Equipment - Construction values not included in model. Operational output only.

Trips and VMT - Construction values not included in model. Operational output only.

Vehicle Trips - Weekday trip rate from traffic analysis. Weekend trip rates scaled based on CalEEMod default values and project-specific weekday trip rate.

Vehicle Emission Factors - CalEEMod default values.

Vehicle Emission Factors - CalEEMod default values.

Vehicle Emission Factors - CalEEMod default values.

Road Dust - CalEEMod default values.

Woodstoves - CalEEMod default values (no woodstoves or fireplaces).

Consumer Products - CalEEMod default values.

Area Coating - CalEEMod default values.

Landscape Equipment - CalEEMod default values.

Energy Use - CalEEMod default values for Non-Title 24 and Lighting. Adjustments to Title 24 values to reflect 2019 Title 24 compliance.

Water And Wastewater - CalEEMod default values.

Solid Waste - CalEEMod default values.

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	1.00
tblEnergyUse	T24E	1.97	1.76
tblEnergyUse	T24NG	13.82	13.68
tblLandUse	LandUseSquareFeet	0.00	41,000.00
tblLandUse	LotAcreage	0.00	0.94
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.023
tblProjectCharacteristics	CO2IntensityFactor	702.44	566
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	VendorTripNumber	63.00	0.00
tblTripsAndVMT	WorkerTripNumber	162.00	0.00
tblVehicleTrips	ST_TR	11.23	8.27
tblVehicleTrips	SU_TR	1.21	0.89
tblVehicleTrips	WD_TR	27.49	20.25

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4112	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102
Energy	4.0000e-003	0.0363	0.0305	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	169.8566	169.8566	6.0500e-003	1.8800e-003	170.5671
Mobile	0.2066	1.0289	2.7072	0.0111	0.9798	7.9500e-003	0.9877	0.2625	7.3900e-003	0.2699	0.0000	1,026.0902	1,026.0902	0.0458	0.0000	1,027.2346
Waste						0.0000	0.0000		0.0000	0.0000	14.2845	0.0000	14.2845	0.8442	0.0000	35.3892
Water						0.0000	0.0000		0.0000	0.0000	0.8423	20.7204	21.5627	0.0874	2.2300e-003	24.4099
Total	0.6218	1.0653	2.7427	0.0113	0.9798	0.0107	0.9905	0.2625	0.0102	0.2727	15.1268	1,216.6768	1,231.8036	0.9834	4.1100e-003	1,257.6109

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4112	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102
Energy	4.0000e-003	0.0363	0.0305	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	169.8566	169.8566	6.0500e-003	1.8800e-003	170.5671
Mobile	0.2066	1.0289	2.7072	0.0111	0.9798	7.9500e-003	0.9877	0.2625	7.3900e-003	0.2699	0.0000	1,026.0902	1,026.0902	0.0458	0.0000	1,027.2346
Waste						0.0000	0.0000		0.0000	0.0000	14.2845	0.0000	14.2845	0.8442	0.0000	35.3892
Water						0.0000	0.0000		0.0000	0.0000	0.8423	20.7204	21.5627	0.0874	2.2300e-003	24.4099
Total	0.6218	1.0653	2.7427	0.0113	0.9798	0.0107	0.9905	0.2625	0.0102	0.2727	15.1268	1,216.6768	1,231.8036	0.9834	4.1100e-003	1,257.6109

	ROG	NOx	CO	SO2	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	Building Construction	Building Construction	4/22/2021	4/22/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 6.68

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45

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	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Building Construction - 2021

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2066	1.0289	2.7072	0.0111	0.9798	7.9500e-003	0.9877	0.2625	7.3900e-003	0.2699	0.0000	1,026.0902	1,026.0902	0.0458	0.0000	1,027.2346
Unmitigated	0.2066	1.0289	2.7072	0.0111	0.9798	7.9500e-003	0.9877	0.2625	7.3900e-003	0.2699	0.0000	1,026.0902	1,026.0902	0.0458	0.0000	1,027.2346

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,096.13	447.66	48.18	2,578,736	2,578,736
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Recreational	0.00	0.00	0.00		
Total	1,096.13	447.66	48.18	2,578,736	2,578,736

4.3 Trip Type Information

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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
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Recreational	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Other Non-Asphalt Surfaces	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Parking Lot	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
User Defined Recreational	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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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					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	130.3119	130.3119	5.3000e-003	1.1500e-003	130.7874
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	130.3119	130.3119	5.3000e-003	1.1500e-003	130.7874
NaturalGas Mitigated	4.0000e-003	0.0363	0.0305	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	39.5447	39.5447	7.6000e-004	7.2000e-004	39.7797
NaturalGas Unmitigated	4.0000e-003	0.0363	0.0305	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	39.5447	39.5447	7.6000e-004	7.2000e-004	39.7797

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					
Junior College (2Yr)	741040	4.0000e-003	0.0363	0.0305	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	39.5447	39.5447	7.6000e-004	7.2000e-004	39.7797
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	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		4.0000e-003	0.0363	0.0305	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	39.5447	39.5447	7.6000e-004	7.2000e-004	39.7797

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5.2 Energy by Land Use - NaturalGas

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					
Junior College (2Yr)	741040	4.0000e-003	0.0363	0.0305	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	39.5447	39.5447	7.6000e-004	7.2000e-004	39.7797
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	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		4.0000e-003	0.0363	0.0305	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	39.5447	39.5447	7.6000e-004	7.2000e-004	39.7797

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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			
Junior College (2Yr)	415177	106.5898	4.3300e-003	9.4000e-004	106.9787
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	92400	23.7222	9.6000e-004	2.1000e-004	23.8087
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		130.3119	5.2900e-003	1.1500e-003	130.7874

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5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	415177	106.5898	4.3300e-003	9.4000e-004	106.9787
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	92400	23.7222	9.6000e-004	2.1000e-004	23.8087
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		130.3119	5.2900e-003	1.1500e-003	130.7874

6.0 Area Detail**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4112	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102
Unmitigated	0.4112	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102

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	0.0481					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3626					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.5000e-004	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102
Total	0.4112	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102

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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	0.0481					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3626					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.5000e-004	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102
Total	0.4112	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	21.5627	0.0874	2.2300e-003	24.4099
Unmitigated	21.5627	0.0874	2.2300e-003	24.4099

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.65502 / 4.15273	21.5627	0.0874	2.2300e-003	24.4099
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		21.5627	0.0874	2.2300e-003	24.4099

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.65502 / 4.15273	21.5627	0.0874	2.2300e-003	24.4099
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		21.5627	0.0874	2.2300e-003	24.4099

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	14.2845	0.8442	0.0000	35.3892
Unmitigated	14.2845	0.8442	0.0000	35.3892

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	70.37	14.2845	0.8442	0.0000	35.3892
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		14.2845	0.8442	0.0000	35.3892

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	70.37	14.2845	0.8442	0.0000	35.3892
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		14.2845	0.8442	0.0000	35.3892

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

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Equipment Type	Number
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11.0 Vegetation
