

Fast Cargo - Truck Park - San Bernardino-South Coast County, Summer

Fast Cargo - Truck Park
San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1.92	1000sqft	0.04	1,918.00	0
Other Non-Asphalt Surfaces	2.00	Acre	2.00	87,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - Project use from project plans: convert 1918 sf single-family residence to office, grade and apply approx. 2 acres of crushed rock for truck parking areas.

Construction Phase - Demolition of 1833 sf SFR structure, bldg phase decreased from 220 days to 100 days as no new structure is being constructed but existing SFR will be converted to office space

Off-road Equipment -

Off-road Equipment - Building Construction Equipment: cranes, forklifts and welders removed as no new structure is being built rather an existing SFR is being converted to office space

Off-road Equipment - Default demolition equipment tractors/loaders/backhoes decreased from 3 to 1

Off-road Equipment -

Off-road Equipment - Paving phase equipment: pavers, paving equipment removed as parking surface will be decomposed granite

Off-road Equipment - Site preparation equipment scraper and grader removed

Demolition -

Grading - approx 2 acres to be graded, area around existing SFR to be converted to office space and concrete area at front of property to remain and no grading will be done in these areas

Construction Off-road Equipment Mitigation - water exposed areas and clean paved road at property access

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	25
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	25
tblConstructionPhase	NumDays	220.00	100.00
tblGrading	AcresOfGrading	3.00	2.00
tblLandUse	LandUseSquareFeet	1,920.00	1,918.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblTripsAndVMT	WorkerTripNumber	8.00	3.00
tblTripsAndVMT	WorkerTripNumber	15.00	10.00

2.0 Emissions Summary

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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	0.0804	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.6000e-004	8.6000e-004	0.0000		9.1000e-004
Energy	2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.1452	2.1452	4.0000e-005	4.0000e-005	2.1579
Mobile	0.0437	0.2800	0.5041	1.9800e-003	0.1455	1.3100e-003	0.1468	0.0389	1.2300e-003	0.0402		202.4833	202.4833	9.9700e-003		202.7325
Total	0.1243	0.2818	0.5060	1.9900e-003	0.1455	1.4500e-003	0.1469	0.0389	1.3700e-003	0.0403		204.6294	204.6294	0.0100	4.0000e-005	204.8914

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	0.0804	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.6000e-004	8.6000e-004	0.0000		9.1000e-004
Energy	2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.1452	2.1452	4.0000e-005	4.0000e-005	2.1579
Mobile	0.0437	0.2800	0.5041	1.9800e-003	0.1455	1.3100e-003	0.1468	0.0389	1.2300e-003	0.0402		202.4833	202.4833	9.9700e-003		202.7325
Total	0.1243	0.2818	0.5060	1.9900e-003	0.1455	1.4500e-003	0.1469	0.0389	1.3700e-003	0.0403		204.6294	204.6294	0.0100	4.0000e-005	204.8914

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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	6/7/2021	7/2/2021	5	20	
2	Site Preparation	Site Preparation	7/5/2021	7/7/2021	5	3	
3	Grading	Grading	7/8/2021	7/15/2021	5	6	
4	Building Construction	Building Construction	7/16/2021	12/2/2021	5	100	
5	Paving	Paving	5/20/2022	6/2/2022	5	10	
6	Architectural Coating	Architectural Coating	6/3/2022	6/16/2022	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 2

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,877; Non-Residential Outdoor: 959; Striped Parking Area: 5,227 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

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	3	8.00	0.00	8.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	37.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0902	0.0000	0.0902	0.0137	0.0000	0.0137			0.0000			0.0000
Off-Road	1.6185	15.9050	9.9721	0.0179		0.8174	0.8174		0.7658	0.7658		1,720.9169	1,720.9169	0.3993		1,730.8998
Total	1.6185	15.9050	9.9721	0.0179	0.0902	0.8174	0.9076	0.0137	0.7658	0.7795		1,720.9169	1,720.9169	0.3993		1,730.8998

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3.2 Demolition - 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	2.3800e-003	0.0912	0.0141	3.1000e-004	7.0000e-003	2.6000e-004	7.2600e-003	1.9200e-003	2.5000e-004	2.1700e-003		33.0076	33.0076	1.7700e-003		33.0518
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0407	0.0251	0.3312	8.8000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		87.5264	87.5264	2.4900e-003		87.5887
Total	0.0430	0.1164	0.3453	1.1900e-003	0.0964	8.3000e-004	0.0973	0.0256	7.8000e-004	0.0264		120.5340	120.5340	4.2600e-003		120.6405

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0317	0.0000	0.0317	4.7900e-003	0.0000	4.7900e-003			0.0000			0.0000
Off-Road	1.6185	15.9050	9.9721	0.0179		0.8174	0.8174		0.7658	0.7658	0.0000	1,720.9169	1,720.9169	0.3993		1,730.8998
Total	1.6185	15.9050	9.9721	0.0179	0.0317	0.8174	0.8490	4.7900e-003	0.7658	0.7706	0.0000	1,720.9169	1,720.9169	0.3993		1,730.8998

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3.2 Demolition - 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	2.3800e-003	0.0912	0.0141	3.1000e-004	5.6800e-003	2.6000e-004	5.9400e-003	1.5900e-003	2.5000e-004	1.8400e-003		33.0076	33.0076	1.7700e-003		33.0518
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0407	0.0251	0.3312	8.8000e-004	0.0700	5.7000e-004	0.0706	0.0189	5.3000e-004	0.0195		87.5264	87.5264	2.4900e-003		87.5887
Total	0.0430	0.1164	0.3453	1.1900e-003	0.0757	8.3000e-004	0.0765	0.0205	7.8000e-004	0.0213		120.5340	120.5340	4.2600e-003		120.6405

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					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	0.1639	1.6588	1.9777	2.7200e-003		0.0978	0.0978		0.0900	0.0900		263.2876	263.2876	0.0852		265.4164
Total	0.1639	1.6588	1.9777	2.7200e-003	1.5908	0.0978	1.6886	0.1718	0.0900	0.2617		263.2876	263.2876	0.0852		265.4164

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3.3 Site Preparation - 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	0.0152	9.4200e-003	0.1242	3.3000e-004	0.0335	2.1000e-004	0.0338	8.8900e-003	2.0000e-004	9.0900e-003		32.8224	32.8224	9.3000e-004		32.8458
Total	0.0152	9.4200e-003	0.1242	3.3000e-004	0.0335	2.1000e-004	0.0338	8.8900e-003	2.0000e-004	9.0900e-003		32.8224	32.8224	9.3000e-004		32.8458

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.5584	0.0000	0.5584	0.0603	0.0000	0.0603			0.0000			0.0000
Off-Road	0.1639	1.6588	1.9777	2.7200e-003		0.0978	0.0978		0.0900	0.0900	0.0000	263.2876	263.2876	0.0852		265.4164
Total	0.1639	1.6588	1.9777	2.7200e-003	0.5584	0.0978	0.6562	0.0603	0.0900	0.1503	0.0000	263.2876	263.2876	0.0852		265.4164

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3.3 Site Preparation - 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	0.0152	9.4200e-003	0.1242	3.3000e-004	0.0262	2.1000e-004	0.0265	7.1000e-003	2.0000e-004	7.3000e-003		32.8224	32.8224	9.3000e-004		32.8458
Total	0.0152	9.4200e-003	0.1242	3.3000e-004	0.0262	2.1000e-004	0.0265	7.1000e-003	2.0000e-004	7.3000e-003		32.8224	32.8224	9.3000e-004		32.8458

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3756	0.0000	6.3756	3.3484	0.0000	3.3484			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425		1,995.6114	1,995.6114	0.6454		2,011.7470
Total	1.8271	20.2135	9.7604	0.0206	6.3756	0.9158	7.2913	3.3484	0.8425	4.1909		1,995.6114	1,995.6114	0.6454		2,011.7470

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3.4 Grading - 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	0.0508	0.0314	0.4140	1.1000e-003	0.1118	7.1000e-004	0.1125	0.0296	6.6000e-004	0.0303		109.4081	109.4081	3.1100e-003		109.4859
Total	0.0508	0.0314	0.4140	1.1000e-003	0.1118	7.1000e-004	0.1125	0.0296	6.6000e-004	0.0303		109.4081	109.4081	3.1100e-003		109.4859

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.2378	0.0000	2.2378	1.1753	0.0000	1.1753			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470
Total	1.8271	20.2135	9.7604	0.0206	2.2378	0.9158	3.1536	1.1753	0.8425	2.0178	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470

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3.4 Grading - 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	0.0508	0.0314	0.4140	1.1000e-003	0.0875	7.1000e-004	0.0882	0.0237	6.6000e-004	0.0243		109.4081	109.4081	3.1100e-003		109.4859
Total	0.0508	0.0314	0.4140	1.1000e-003	0.0875	7.1000e-004	0.0882	0.0237	6.6000e-004	0.0243		109.4081	109.4081	3.1100e-003		109.4859

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4979	4.5880	5.3799	8.9100e-003		0.2516	0.2516		0.2449	0.2449		848.7096	848.7096	0.1048		851.3292
Total	0.4979	4.5880	5.3799	8.9100e-003		0.2516	0.2516		0.2449	0.2449		848.7096	848.7096	0.1048		851.3292

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3.5 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	0.0388	1.4466	0.2722	4.0500e-003	0.0961	2.4800e-003	0.0986	0.0277	2.3700e-003	0.0300		426.8840	426.8840	0.0270		427.5584
Worker	0.1880	0.1162	1.5317	4.0700e-003	0.4136	2.6500e-003	0.4162	0.1097	2.4400e-003	0.1121		404.8098	404.8098	0.0115		405.0978
Total	0.2268	1.5628	1.8039	8.1200e-003	0.5096	5.1300e-003	0.5148	0.1373	4.8100e-003	0.1422		831.6938	831.6938	0.0385		832.6562

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4979	4.5880	5.3799	8.9100e-003		0.2516	0.2516		0.2449	0.2449	0.0000	848.7096	848.7096	0.1048		851.3292
Total	0.4979	4.5880	5.3799	8.9100e-003		0.2516	0.2516		0.2449	0.2449	0.0000	848.7096	848.7096	0.1048		851.3292

Fast Cargo - Truck Park - San Bernardino-South Coast County, Summer

3.5 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	0.0388	1.4466	0.2722	4.0500e-003	0.0790	2.4800e-003	0.0815	0.0235	2.3700e-003	0.0258		426.8840	426.8840	0.0270		427.5584
Worker	0.1880	0.1162	1.5317	4.0700e-003	0.3237	2.6500e-003	0.3263	0.0876	2.4400e-003	0.0901		404.8098	404.8098	0.0115		405.0978
Total	0.2268	1.5628	1.8039	8.1200e-003	0.4027	5.1300e-003	0.4078	0.1111	4.8100e-003	0.1159		831.6938	831.6938	0.0385		832.6562

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3898	3.7697	4.4067	6.4500e-003		0.2039	0.2039		0.1887	0.1887		605.8591	605.8591	0.1849		610.4804
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3898	3.7697	4.4067	6.4500e-003		0.2039	0.2039		0.1887	0.1887		605.8591	605.8591	0.1849		610.4804

Fast Cargo - Truck Park - San Bernardino-South Coast County, Summer

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0475	0.0282	0.3803	1.0600e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		105.4602	105.4602	2.7900e-003		105.5301
Total	0.0475	0.0282	0.3803	1.0600e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		105.4602	105.4602	2.7900e-003		105.5301

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3898	3.7697	4.4067	6.4500e-003		0.2039	0.2039		0.1887	0.1887	0.0000	605.8591	605.8591	0.1849		610.4804
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3898	3.7697	4.4067	6.4500e-003		0.2039	0.2039		0.1887	0.1887	0.0000	605.8591	605.8591	0.1849		610.4804

Fast Cargo - Truck Park - San Bernardino-South Coast County, Summer

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0475	0.0282	0.3803	1.0600e-003	0.0875	6.9000e-004	0.0882	0.0237	6.4000e-004	0.0243		105.4602	105.4602	2.7900e-003		105.5301
Total	0.0475	0.0282	0.3803	1.0600e-003	0.0875	6.9000e-004	0.0882	0.0237	6.4000e-004	0.0243		105.4602	105.4602	2.7900e-003		105.5301

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2007					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	4.4052	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Fast Cargo - Truck Park - San Bernardino-South Coast County, Summer

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0332	0.0198	0.2662	7.4000e-004	0.0782	4.9000e-004	0.0787	0.0208	4.5000e-004	0.0212		73.8222	73.8222	1.9600e-003		73.8711
Total	0.0332	0.0198	0.2662	7.4000e-004	0.0782	4.9000e-004	0.0787	0.0208	4.5000e-004	0.0212		73.8222	73.8222	1.9600e-003		73.8711

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2007					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	4.4052	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

Fast Cargo - Truck Park - San Bernardino-South Coast County, Summer

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0332	0.0198	0.2662	7.4000e-004	0.0612	4.9000e-004	0.0617	0.0166	4.5000e-004	0.0170		73.8222	73.8222	1.9600e-003		73.8711
Total	0.0332	0.0198	0.2662	7.4000e-004	0.0612	4.9000e-004	0.0617	0.0166	4.5000e-004	0.0170		73.8222	73.8222	1.9600e-003		73.8711

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Fast Cargo - Truck Park - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0437	0.2800	0.5041	1.9800e-003	0.1455	1.3100e-003	0.1468	0.0389	1.2300e-003	0.0402		202.4833	202.4833	9.9700e-003		202.7325
Unmitigated	0.0437	0.2800	0.5041	1.9800e-003	0.1455	1.3100e-003	0.1468	0.0389	1.2300e-003	0.0402		202.4833	202.4833	9.9700e-003		202.7325

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	21.18	4.72	2.02	51,832	51,832
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	21.18	4.72	2.02	51,832	51,832

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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944

Fast Cargo - Truck Park - San Bernardino-South Coast County, Summer

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	2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.1452	2.1452	4.0000e-005	4.0000e-005	2.1579
NaturalGas Unmitigated	2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.1452	2.1452	4.0000e-005	4.0000e-005	2.1579

Fast Cargo - Truck Park - San Bernardino-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					
General Office Building	18.2341	2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.1452	2.1452	4.0000e-005	4.0000e-005	2.1579
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
Total		2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.1452	2.1452	4.0000e-005	4.0000e-005	2.1579

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.0182341	2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.1452	2.1452	4.0000e-005	4.0000e-005	2.1579
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
Total		2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.1452	2.1452	4.0000e-005	4.0000e-005	2.1579

6.0 Area Detail

6.1 Mitigation Measures Area

Fast Cargo - Truck Park - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0804	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.6000e-004	8.6000e-004	0.0000		9.1000e-004
Unmitigated	0.0804	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.6000e-004	8.6000e-004	0.0000		9.1000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0688					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.6000e-004	8.6000e-004	0.0000		9.1000e-004
Total	0.0804	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.6000e-004	8.6000e-004	0.0000		9.1000e-004

Fast Cargo - Truck Park - San Bernardino-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	0.0115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0688					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.6000e-004	8.6000e-004	0.0000		9.1000e-004
Total	0.0804	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.6000e-004	8.6000e-004	0.0000		9.1000e-004

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

Fast Cargo - Truck Park - San Bernardino-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

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

Fast Cargo - Truck Park
San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1.92	1000sqft	0.04	1,918.00	0
Other Non-Asphalt Surfaces	2.00	Acre	2.00	87,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

Project Characteristics -

Land Use - Project use from project plans: convert 1918 sf single-family residence to office, grade and apply approx. 2 acres of crushed rock for truck parking areas.

Construction Phase - Demolition of 1833 sf SFR structure, bldg phase decreased from 220 days to 100 days as no new structure is being constructed but existing SFR will be converted to office space

Off-road Equipment -

Off-road Equipment - Building Construction Equipment: cranes, forklifts and welders removed as no new structure is being built rather an existing SFR is being converted to office space

Off-road Equipment - Default demolition equipment tractors/loaders/backhoes decreased from 3 to 1

Off-road Equipment -

Off-road Equipment - Paving phase equipment: pavers, paving equipment removed as parking surface will be decomposed granite

Off-road Equipment - Site preparation equipment scraper and grader removed

Demolition -

Grading - approx 2 acres to be graded, area around existing SFR to be converted to office space and concrete area at front of property to remain and no grading will be done in these areas

Construction Off-road Equipment Mitigation - water exposed areas and clean paved road at property access

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	25
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	25
tblConstructionPhase	NumDays	220.00	100.00
tblGrading	AcresOfGrading	3.00	2.00
tblLandUse	LandUseSquareFeet	1,920.00	1,918.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblTripsAndVMT	WorkerTripNumber	8.00	3.00
tblTripsAndVMT	WorkerTripNumber	15.00	10.00

2.0 Emissions Summary

Fast Cargo - Truck Park - San Bernardino-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	0.0804	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.6000e-004	8.6000e-004	0.0000		9.1000e-004
Energy	2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.1452	2.1452	4.0000e-005	4.0000e-005	2.1579
Mobile	0.0381	0.2801	0.4431	1.8300e-003	0.1455	1.3200e-003	0.1468	0.0389	1.2400e-003	0.0402		186.8260	186.8260	0.0102		187.0802
Total	0.1187	0.2819	0.4450	1.8400e-003	0.1455	1.4600e-003	0.1469	0.0389	1.3800e-003	0.0403		188.9721	188.9721	0.0102	4.0000e-005	189.2391

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	0.0804	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.6000e-004	8.6000e-004	0.0000		9.1000e-004
Energy	2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.1452	2.1452	4.0000e-005	4.0000e-005	2.1579
Mobile	0.0381	0.2801	0.4431	1.8300e-003	0.1455	1.3200e-003	0.1468	0.0389	1.2400e-003	0.0402		186.8260	186.8260	0.0102		187.0802
Total	0.1187	0.2819	0.4450	1.8400e-003	0.1455	1.4600e-003	0.1469	0.0389	1.3800e-003	0.0403		188.9721	188.9721	0.0102	4.0000e-005	189.2391

Fast Cargo - Truck Park - San Bernardino-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	6/7/2021	7/2/2021	5	20	
2	Site Preparation	Site Preparation	7/5/2021	7/7/2021	5	3	
3	Grading	Grading	7/8/2021	7/15/2021	5	6	
4	Building Construction	Building Construction	7/16/2021	12/2/2021	5	100	
5	Paving	Paving	5/20/2022	6/2/2022	5	10	
6	Architectural Coating	Architectural Coating	6/3/2022	6/16/2022	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 2

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,877; Non-Residential Outdoor: 959; Striped Parking Area: 5,227 (Architectural Coating – sqft)

OffRoad Equipment

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

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	3	8.00	0.00	8.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	37.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0902	0.0000	0.0902	0.0137	0.0000	0.0137			0.0000			0.0000
Off-Road	1.6185	15.9050	9.9721	0.0179		0.8174	0.8174		0.7658	0.7658		1,720.9169	1,720.9169	0.3993		1,730.8998
Total	1.6185	15.9050	9.9721	0.0179	0.0902	0.8174	0.9076	0.0137	0.7658	0.7795		1,720.9169	1,720.9169	0.3993		1,730.8998

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

3.2 Demolition - 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	2.4800e-003	0.0916	0.0161	3.0000e-004	7.0000e-003	2.6000e-004	7.2600e-003	1.9200e-003	2.5000e-004	2.1700e-003		32.1426	32.1426	1.9200e-003		32.1906
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0407	0.0264	0.2717	7.9000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		78.5198	78.5198	2.1900e-003		78.5745
Total	0.0432	0.1180	0.2878	1.0900e-003	0.0964	8.3000e-004	0.0973	0.0256	7.8000e-004	0.0264		110.6624	110.6624	4.1100e-003		110.7650

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0317	0.0000	0.0317	4.7900e-003	0.0000	4.7900e-003			0.0000			0.0000
Off-Road	1.6185	15.9050	9.9721	0.0179		0.8174	0.8174		0.7658	0.7658	0.0000	1,720.9169	1,720.9169	0.3993		1,730.8998
Total	1.6185	15.9050	9.9721	0.0179	0.0317	0.8174	0.8490	4.7900e-003	0.7658	0.7706	0.0000	1,720.9169	1,720.9169	0.3993		1,730.8998

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

3.2 Demolition - 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	2.4800e-003	0.0916	0.0161	3.0000e-004	5.6800e-003	2.6000e-004	5.9400e-003	1.5900e-003	2.5000e-004	1.8400e-003		32.1426	32.1426	1.9200e-003		32.1906
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0407	0.0264	0.2717	7.9000e-004	0.0700	5.7000e-004	0.0706	0.0189	5.3000e-004	0.0195		78.5198	78.5198	2.1900e-003		78.5745
Total	0.0432	0.1180	0.2878	1.0900e-003	0.0757	8.3000e-004	0.0765	0.0205	7.8000e-004	0.0213		110.6624	110.6624	4.1100e-003		110.7650

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					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	0.1639	1.6588	1.9777	2.7200e-003		0.0978	0.0978		0.0900	0.0900		263.2876	263.2876	0.0852		265.4164
Total	0.1639	1.6588	1.9777	2.7200e-003	1.5908	0.0978	1.6886	0.1718	0.0900	0.2617		263.2876	263.2876	0.0852		265.4164

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

3.3 Site Preparation - 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	0.0153	9.9100e-003	0.1019	3.0000e-004	0.0335	2.1000e-004	0.0338	8.8900e-003	2.0000e-004	9.0900e-003		29.4449	29.4449	8.2000e-004		29.4654
Total	0.0153	9.9100e-003	0.1019	3.0000e-004	0.0335	2.1000e-004	0.0338	8.8900e-003	2.0000e-004	9.0900e-003		29.4449	29.4449	8.2000e-004		29.4654

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.5584	0.0000	0.5584	0.0603	0.0000	0.0603			0.0000			0.0000
Off-Road	0.1639	1.6588	1.9777	2.7200e-003		0.0978	0.0978		0.0900	0.0900	0.0000	263.2876	263.2876	0.0852		265.4164
Total	0.1639	1.6588	1.9777	2.7200e-003	0.5584	0.0978	0.6562	0.0603	0.0900	0.1503	0.0000	263.2876	263.2876	0.0852		265.4164

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

3.3 Site Preparation - 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	0.0153	9.9100e-003	0.1019	3.0000e-004	0.0262	2.1000e-004	0.0265	7.1000e-003	2.0000e-004	7.3000e-003		29.4449	29.4449	8.2000e-004		29.4654
Total	0.0153	9.9100e-003	0.1019	3.0000e-004	0.0262	2.1000e-004	0.0265	7.1000e-003	2.0000e-004	7.3000e-003		29.4449	29.4449	8.2000e-004		29.4654

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3756	0.0000	6.3756	3.3484	0.0000	3.3484			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425		1,995.6114	1,995.6114	0.6454		2,011.7470
Total	1.8271	20.2135	9.7604	0.0206	6.3756	0.9158	7.2913	3.3484	0.8425	4.1909		1,995.6114	1,995.6114	0.6454		2,011.7470

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

3.4 Grading - 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	0.0509	0.0330	0.3396	9.9000e-004	0.1118	7.1000e-004	0.1125	0.0296	6.6000e-004	0.0303		98.1498	98.1498	2.7300e-003		98.2181
Total	0.0509	0.0330	0.3396	9.9000e-004	0.1118	7.1000e-004	0.1125	0.0296	6.6000e-004	0.0303		98.1498	98.1498	2.7300e-003		98.2181

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.2378	0.0000	2.2378	1.1753	0.0000	1.1753			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470
Total	1.8271	20.2135	9.7604	0.0206	2.2378	0.9158	3.1536	1.1753	0.8425	2.0178	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

3.4 Grading - 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	0.0509	0.0330	0.3396	9.9000e-004	0.0875	7.1000e-004	0.0882	0.0237	6.6000e-004	0.0243		98.1498	98.1498	2.7300e-003		98.2181
Total	0.0509	0.0330	0.3396	9.9000e-004	0.0875	7.1000e-004	0.0882	0.0237	6.6000e-004	0.0243		98.1498	98.1498	2.7300e-003		98.2181

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4979	4.5880	5.3799	8.9100e-003		0.2516	0.2516		0.2449	0.2449		848.7096	848.7096	0.1048		851.3292
Total	0.4979	4.5880	5.3799	8.9100e-003		0.2516	0.2516		0.2449	0.2449		848.7096	848.7096	0.1048		851.3292

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

3.5 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	0.0412	1.4312	0.3184	3.8900e-003	0.0961	2.5500e-003	0.0986	0.0277	2.4400e-003	0.0301		410.3027	410.3027	0.0299		411.0502
Worker	0.1884	0.1222	1.2564	3.6500e-003	0.4136	2.6500e-003	0.4162	0.1097	2.4400e-003	0.1121		363.1541	363.1541	0.0101		363.4069
Total	0.2296	1.5534	1.5748	7.5400e-003	0.5096	5.2000e-003	0.5148	0.1373	4.8800e-003	0.1422		773.4568	773.4568	0.0400		774.4571

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4979	4.5880	5.3799	8.9100e-003		0.2516	0.2516		0.2449	0.2449	0.0000	848.7096	848.7096	0.1048		851.3292
Total	0.4979	4.5880	5.3799	8.9100e-003		0.2516	0.2516		0.2449	0.2449	0.0000	848.7096	848.7096	0.1048		851.3292

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

3.5 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	0.0412	1.4312	0.3184	3.8900e-003	0.0790	2.5500e-003	0.0815	0.0235	2.4400e-003	0.0259		410.3027	410.3027	0.0299		411.0502
Worker	0.1884	0.1222	1.2564	3.6500e-003	0.3237	2.6500e-003	0.3263	0.0876	2.4400e-003	0.0901		363.1541	363.1541	0.0101		363.4069
Total	0.2296	1.5534	1.5748	7.5400e-003	0.4027	5.2000e-003	0.4079	0.1111	4.8800e-003	0.1160		773.4568	773.4568	0.0400		774.4571

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3898	3.7697	4.4067	6.4500e-003		0.2039	0.2039		0.1887	0.1887		605.8591	605.8591	0.1849		610.4804
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3898	3.7697	4.4067	6.4500e-003		0.2039	0.2039		0.1887	0.1887		605.8591	605.8591	0.1849		610.4804

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0477	0.0297	0.3114	9.5000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		94.6146	94.6146	2.4500e-003		94.6759
Total	0.0477	0.0297	0.3114	9.5000e-004	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		94.6146	94.6146	2.4500e-003		94.6759

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3898	3.7697	4.4067	6.4500e-003		0.2039	0.2039		0.1887	0.1887	0.0000	605.8591	605.8591	0.1849		610.4804
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3898	3.7697	4.4067	6.4500e-003		0.2039	0.2039		0.1887	0.1887	0.0000	605.8591	605.8591	0.1849		610.4804

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0477	0.0297	0.3114	9.5000e-004	0.0875	6.9000e-004	0.0882	0.0237	6.4000e-004	0.0243		94.6146	94.6146	2.4500e-003		94.6759
Total	0.0477	0.0297	0.3114	9.5000e-004	0.0875	6.9000e-004	0.0882	0.0237	6.4000e-004	0.0243		94.6146	94.6146	2.4500e-003		94.6759

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2007					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	4.4052	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0334	0.0208	0.2180	6.6000e-004	0.0782	4.9000e-004	0.0787	0.0208	4.5000e-004	0.0212		66.2302	66.2302	1.7200e-003		66.2731
Total	0.0334	0.0208	0.2180	6.6000e-004	0.0782	4.9000e-004	0.0787	0.0208	4.5000e-004	0.0212		66.2302	66.2302	1.7200e-003		66.2731

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.2007					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	4.4052	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

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0334	0.0208	0.2180	6.6000e-004	0.0612	4.9000e-004	0.0617	0.0166	4.5000e-004	0.0170		66.2302	66.2302	1.7200e-003		66.2731
Total	0.0334	0.0208	0.2180	6.6000e-004	0.0612	4.9000e-004	0.0617	0.0166	4.5000e-004	0.0170		66.2302	66.2302	1.7200e-003		66.2731

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0381	0.2801	0.4431	1.8300e-003	0.1455	1.3200e-003	0.1468	0.0389	1.2400e-003	0.0402		186.8260	186.8260	0.0102		187.0802
Unmitigated	0.0381	0.2801	0.4431	1.8300e-003	0.1455	1.3200e-003	0.1468	0.0389	1.2400e-003	0.0402		186.8260	186.8260	0.0102		187.0802

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	21.18	4.72	2.02	51,832	51,832
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	21.18	4.72	2.02	51,832	51,832

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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

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	2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.1452	2.1452	4.0000e-005	4.0000e-005	2.1579
NaturalGas Unmitigated	2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.1452	2.1452	4.0000e-005	4.0000e-005	2.1579

Fast Cargo - Truck Park - San Bernardino-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					
General Office Building	18.2341	2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.1452	2.1452	4.0000e-005	4.0000e-005	2.1579
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
Total		2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.1452	2.1452	4.0000e-005	4.0000e-005	2.1579

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.0182341	2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.1452	2.1452	4.0000e-005	4.0000e-005	2.1579
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
Total		2.0000e-004	1.7900e-003	1.5000e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		2.1452	2.1452	4.0000e-005	4.0000e-005	2.1579

6.0 Area Detail

6.1 Mitigation Measures Area

Fast Cargo - Truck Park - San Bernardino-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0804	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.6000e-004	8.6000e-004	0.0000		9.1000e-004
Unmitigated	0.0804	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.6000e-004	8.6000e-004	0.0000		9.1000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0688					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.6000e-004	8.6000e-004	0.0000		9.1000e-004
Total	0.0804	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.6000e-004	8.6000e-004	0.0000		9.1000e-004

Fast Cargo - Truck Park - San Bernardino-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	0.0115					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0688					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.6000e-004	8.6000e-004	0.0000		9.1000e-004
Total	0.0804	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.6000e-004	8.6000e-004	0.0000		9.1000e-004

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

Fast Cargo - Truck Park - San Bernardino-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

Fast Cargo - Truck Park - San Bernardino-South Coast County, Annual

Fast Cargo - Truck Park
San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1.92	1000sqft	0.04	1,918.00	0
Other Non-Asphalt Surfaces	2.00	Acre	2.00	87,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Fast Cargo - Truck Park - San Bernardino-South Coast County, Annual

Project Characteristics -

Land Use - Project use from project plans: convert 1918 sf single-family residence to office, grade and apply approx. 2 acres of crushed rock for truck parking areas.

Construction Phase - Demolition of 1833 sf SFR structure, bldg phase decreased from 220 days to 100 days as no new structure is being constructed but existing SFR will be converted to office space

Off-road Equipment -

Off-road Equipment - Building Construction Equipment: cranes, forklifts and welders removed as no new structure is being built rather an existing SFR is being converted to office space

Off-road Equipment - Default demolition equipment tractors/loaders/backhoes decreased from 3 to 1

Off-road Equipment -

Off-road Equipment - Paving phase equipment: pavers, paving equipment removed as parking surface will be decomposed granite

Off-road Equipment - Site preparation equipment scraper and grader removed

Demolition -

Grading - approx 2 acres to be graded, area around existing SFR to be converted to office space and concrete area at front of property to remain and no grading will be done in these areas

Construction Off-road Equipment Mitigation - water exposed areas and clean paved road at property access

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	25
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	25
tblConstructionPhase	NumDays	220.00	100.00
tblGrading	AcresOfGrading	3.00	2.00
tblLandUse	LandUseSquareFeet	1,920.00	1,918.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblTripsAndVMT	WorkerTripNumber	8.00	3.00
tblTripsAndVMT	WorkerTripNumber	15.00	10.00

2.0 Emissions Summary

Fast Cargo - Truck Park - San Bernardino-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-5-2021	10-4-2021	0.2641	0.2641
2	10-5-2021	1-4-2022	0.1447	0.1447
4	4-5-2022	7-4-2022	0.0505	0.0505
		Highest	0.2641	0.2641

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	0.0147	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.0000e-004
Energy	4.0000e-005	3.3000e-004	2.7000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	6.1730	6.1730	2.5000e-004	6.0000e-005	6.1959
Mobile	5.1500e-003	0.0396	0.0632	2.6000e-004	0.0197	1.8000e-004	0.0199	5.2900e-003	1.7000e-004	5.4600e-003	0.0000	23.9252	23.9252	1.2500e-003	0.0000	23.9565
Waste						0.0000	0.0000		0.0000	0.0000	0.3634	0.0000	0.3634	0.0215	0.0000	0.9002
Water						0.0000	0.0000		0.0000	0.0000	0.1083	2.1561	2.2644	0.0112	2.8000e-004	2.6284
Total	0.0199	0.0400	0.0635	2.6000e-004	0.0197	2.0000e-004	0.0199	5.2900e-003	1.9000e-004	5.4800e-003	0.4716	32.2545	32.7261	0.0342	3.4000e-004	33.6810

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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	0.0147	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.0000e-004
Energy	4.0000e-005	3.3000e-004	2.7000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	6.1730	6.1730	2.5000e-004	6.0000e-005	6.1959
Mobile	5.1500e-003	0.0396	0.0632	2.6000e-004	0.0197	1.8000e-004	0.0199	5.2900e-003	1.7000e-004	5.4600e-003	0.0000	23.9252	23.9252	1.2500e-003	0.0000	23.9565
Waste						0.0000	0.0000		0.0000	0.0000	0.3634	0.0000	0.3634	0.0215	0.0000	0.9002
Water						0.0000	0.0000		0.0000	0.0000	0.1083	2.1561	2.2644	0.0112	2.8000e-004	2.6284
Total	0.0199	0.0400	0.0635	2.6000e-004	0.0197	2.0000e-004	0.0199	5.2900e-003	1.9000e-004	5.4800e-003	0.4716	32.2545	32.7261	0.0342	3.4000e-004	33.6810

	ROG	NOx	CO	SO2	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

Fast Cargo - Truck Park - San Bernardino-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/7/2021	7/2/2021	5	20	
2	Site Preparation	Site Preparation	7/5/2021	7/7/2021	5	3	
3	Grading	Grading	7/8/2021	7/15/2021	5	6	
4	Building Construction	Building Construction	7/16/2021	12/2/2021	5	100	
5	Paving	Paving	5/20/2022	6/2/2022	5	10	
6	Architectural Coating	Architectural Coating	6/3/2022	6/16/2022	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 2

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 2,877; Non-Residential Outdoor: 959; Striped Parking Area: 5,227 (Architectural Coating – sqft)

OffRoad Equipment

Fast Cargo - Truck Park - San Bernardino-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

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	3	8.00	0.00	8.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	37.00	15.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Fast Cargo - Truck Park - San Bernardino-South Coast County, Annual

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0000e-004	0.0000	9.0000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0162	0.1591	0.0997	1.8000e-004		8.1700e-003	8.1700e-003		7.6600e-003	7.6600e-003	0.0000	15.6119	15.6119	3.6200e-003	0.0000	15.7025
Total	0.0162	0.1591	0.0997	1.8000e-004	9.0000e-004	8.1700e-003	9.0700e-003	1.4000e-004	7.6600e-003	7.8000e-003	0.0000	15.6119	15.6119	3.6200e-003	0.0000	15.7025

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3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	9.3000e-004	1.5000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2961	0.2961	2.0000e-005	0.0000	0.2966
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.8000e-004	2.8500e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7279	0.7279	2.0000e-005	0.0000	0.7284
Total	3.9000e-004	1.2100e-003	3.0000e-003	1.0000e-005	9.5000e-004	1.0000e-005	9.5000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	1.0241	1.0241	4.0000e-005	0.0000	1.0250

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.2000e-004	0.0000	3.2000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0162	0.1591	0.0997	1.8000e-004		8.1700e-003	8.1700e-003		7.6600e-003	7.6600e-003	0.0000	15.6119	15.6119	3.6200e-003	0.0000	15.7024
Total	0.0162	0.1591	0.0997	1.8000e-004	3.2000e-004	8.1700e-003	8.4900e-003	5.0000e-005	7.6600e-003	7.7100e-003	0.0000	15.6119	15.6119	3.6200e-003	0.0000	15.7024

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3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	9.3000e-004	1.5000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2961	0.2961	2.0000e-005	0.0000	0.2966
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.8000e-004	2.8500e-003	1.0000e-005	6.9000e-004	1.0000e-005	6.9000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.7279	0.7279	2.0000e-005	0.0000	0.7284
Total	3.9000e-004	1.2100e-003	3.0000e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.1000e-004	1.0000e-005	2.1000e-004	0.0000	1.0241	1.0241	4.0000e-005	0.0000	1.0250

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					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5000e-004	2.4900e-003	2.9700e-003	0.0000		1.5000e-004	1.5000e-004		1.3000e-004	1.3000e-004	0.0000	0.3583	0.3583	1.2000e-004	0.0000	0.3612
Total	2.5000e-004	2.4900e-003	2.9700e-003	0.0000	2.3900e-003	1.5000e-004	2.5400e-003	2.6000e-004	1.3000e-004	3.9000e-004	0.0000	0.3583	0.3583	1.2000e-004	0.0000	0.3612

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3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	1.6000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0410	0.0410	0.0000	0.0000	0.0410
Total	2.0000e-005	2.0000e-005	1.6000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0410	0.0410	0.0000	0.0000	0.0410

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.4000e-004	0.0000	8.4000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5000e-004	2.4900e-003	2.9700e-003	0.0000		1.5000e-004	1.5000e-004		1.3000e-004	1.3000e-004	0.0000	0.3583	0.3583	1.2000e-004	0.0000	0.3612
Total	2.5000e-004	2.4900e-003	2.9700e-003	0.0000	8.4000e-004	1.5000e-004	9.9000e-004	9.0000e-005	1.3000e-004	2.2000e-004	0.0000	0.3583	0.3583	1.2000e-004	0.0000	0.3612

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3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	1.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0410	0.0410	0.0000	0.0000	0.0410
Total	2.0000e-005	2.0000e-005	1.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0410	0.0410	0.0000	0.0000	0.0410

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0191	0.0000	0.0191	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4800e-003	0.0606	0.0293	6.0000e-005		2.7500e-003	2.7500e-003		2.5300e-003	2.5300e-003	0.0000	5.4312	5.4312	1.7600e-003	0.0000	5.4751
Total	5.4800e-003	0.0606	0.0293	6.0000e-005	0.0191	2.7500e-003	0.0219	0.0101	2.5300e-003	0.0126	0.0000	5.4312	5.4312	1.7600e-003	0.0000	5.4751

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3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.0000e-004	1.0700e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2730	0.2730	1.0000e-005	0.0000	0.2732
Total	1.4000e-004	1.0000e-004	1.0700e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2730	0.2730	1.0000e-005	0.0000	0.2732

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.7100e-003	0.0000	6.7100e-003	3.5300e-003	0.0000	3.5300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4800e-003	0.0606	0.0293	6.0000e-005		2.7500e-003	2.7500e-003		2.5300e-003	2.5300e-003	0.0000	5.4312	5.4312	1.7600e-003	0.0000	5.4751
Total	5.4800e-003	0.0606	0.0293	6.0000e-005	6.7100e-003	2.7500e-003	9.4600e-003	3.5300e-003	2.5300e-003	6.0600e-003	0.0000	5.4312	5.4312	1.7600e-003	0.0000	5.4751

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3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.0000e-004	1.0700e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2730	0.2730	1.0000e-005	0.0000	0.2732
Total	1.4000e-004	1.0000e-004	1.0700e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2730	0.2730	1.0000e-005	0.0000	0.2732

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0249	0.2294	0.2690	4.5000e-004		0.0126	0.0126		0.0122	0.0122	0.0000	38.4968	38.4968	4.7500e-003	0.0000	38.6156
Total	0.0249	0.2294	0.2690	4.5000e-004		0.0126	0.0126		0.0122	0.0122	0.0000	38.4968	38.4968	4.7500e-003	0.0000	38.6156

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3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9900e-003	0.0730	0.0149	2.0000e-004	4.7300e-003	1.3000e-004	4.8500e-003	1.3600e-003	1.2000e-004	1.4800e-003	0.0000	19.0473	19.0473	1.2800e-003	0.0000	19.0793
Worker	8.5200e-003	6.4400e-003	0.0659	1.9000e-004	0.0203	1.3000e-004	0.0204	5.3900e-003	1.2000e-004	5.5100e-003	0.0000	16.8332	16.8332	4.7000e-004	0.0000	16.8449
Total	0.0105	0.0794	0.0808	3.9000e-004	0.0250	2.6000e-004	0.0253	6.7500e-003	2.4000e-004	6.9900e-003	0.0000	35.8804	35.8804	1.7500e-003	0.0000	35.9243

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0249	0.2294	0.2690	4.5000e-004		0.0126	0.0126		0.0122	0.0122	0.0000	38.4968	38.4968	4.7500e-003	0.0000	38.6156
Total	0.0249	0.2294	0.2690	4.5000e-004		0.0126	0.0126		0.0122	0.0122	0.0000	38.4968	38.4968	4.7500e-003	0.0000	38.6156

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3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9900e-003	0.0730	0.0149	2.0000e-004	3.8900e-003	1.3000e-004	4.0200e-003	1.1600e-003	1.2000e-004	1.2800e-003	0.0000	19.0473	19.0473	1.2800e-003	0.0000	19.0793
Worker	8.5200e-003	6.4400e-003	0.0659	1.9000e-004	0.0159	1.3000e-004	0.0160	4.3100e-003	1.2000e-004	4.4300e-003	0.0000	16.8332	16.8332	4.7000e-004	0.0000	16.8449
Total	0.0105	0.0794	0.0808	3.9000e-004	0.0198	2.6000e-004	0.0200	5.4700e-003	2.4000e-004	5.7100e-003	0.0000	35.8804	35.8804	1.7500e-003	0.0000	35.9243

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9500e-003	0.0189	0.0220	3.0000e-005		1.0200e-003	1.0200e-003		9.4000e-004	9.4000e-004	0.0000	2.7481	2.7481	8.4000e-004	0.0000	2.7691
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.9500e-003	0.0189	0.0220	3.0000e-005		1.0200e-003	1.0200e-003		9.4000e-004	9.4000e-004	0.0000	2.7481	2.7481	8.4000e-004	0.0000	2.7691

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3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.6000e-004	1.6300e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4386	0.4386	1.0000e-005	0.0000	0.4388
Total	2.2000e-004	1.6000e-004	1.6300e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4386	0.4386	1.0000e-005	0.0000	0.4388

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9500e-003	0.0189	0.0220	3.0000e-005		1.0200e-003	1.0200e-003		9.4000e-004	9.4000e-004	0.0000	2.7481	2.7481	8.4000e-004	0.0000	2.7691
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.9500e-003	0.0189	0.0220	3.0000e-005		1.0200e-003	1.0200e-003		9.4000e-004	9.4000e-004	0.0000	2.7481	2.7481	8.4000e-004	0.0000	2.7691

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3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.6000e-004	1.6300e-003	0.0000	4.3000e-004	0.0000	4.3000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4386	0.4386	1.0000e-005	0.0000	0.4388
Total	2.2000e-004	1.6000e-004	1.6300e-003	0.0000	4.3000e-004	0.0000	4.3000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4386	0.4386	1.0000e-005	0.0000	0.4388

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	0.0220	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787

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3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.1000e-004	1.1400e-003	0.0000	3.8000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3070	0.3070	1.0000e-005	0.0000	0.3072
Total	1.5000e-004	1.1000e-004	1.1400e-003	0.0000	3.8000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3070	0.3070	1.0000e-005	0.0000	0.3072

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	0.0220	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787

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3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.1000e-004	1.1400e-003	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.3070	0.3070	1.0000e-005	0.0000	0.3072
Total	1.5000e-004	1.1000e-004	1.1400e-003	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.3070	0.3070	1.0000e-005	0.0000	0.3072

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	5.1500e-003	0.0396	0.0632	2.6000e-004	0.0197	1.8000e-004	0.0199	5.2900e-003	1.7000e-004	5.4600e-003	0.0000	23.9252	23.9252	1.2500e-003	0.0000	23.9565
Unmitigated	5.1500e-003	0.0396	0.0632	2.6000e-004	0.0197	1.8000e-004	0.0199	5.2900e-003	1.7000e-004	5.4600e-003	0.0000	23.9252	23.9252	1.2500e-003	0.0000	23.9565

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	21.18	4.72	2.02	51,832	51,832
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	21.18	4.72	2.02	51,832	51,832

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
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944
Other Non-Asphalt Surfaces	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944

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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	5.8178	5.8178	2.4000e-004	5.0000e-005	5.8386
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5.8178	5.8178	2.4000e-004	5.0000e-005	5.8386
NaturalGas Mitigated	4.0000e-005	3.3000e-004	2.7000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.3552	0.3552	1.0000e-005	1.0000e-005	0.3573
NaturalGas Unmitigated	4.0000e-005	3.3000e-004	2.7000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.3552	0.3552	1.0000e-005	1.0000e-005	0.3573

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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					
General Office Building	6655.46	4.0000e-005	3.3000e-004	2.7000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.3552	0.3552	1.0000e-005	1.0000e-005	0.3573
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
Total		4.0000e-005	3.3000e-004	2.7000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.3552	0.3552	1.0000e-005	1.0000e-005	0.3573

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	6655.46	4.0000e-005	3.3000e-004	2.7000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.3552	0.3552	1.0000e-005	1.0000e-005	0.3573
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
Total		4.0000e-005	3.3000e-004	2.7000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.3552	0.3552	1.0000e-005	1.0000e-005	0.3573

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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			
General Office Building	18259.4	5.8178	2.4000e-004	5.0000e-005	5.8386
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		5.8178	2.4000e-004	5.0000e-005	5.8386

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	18259.4	5.8178	2.4000e-004	5.0000e-005	5.8386
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		5.8178	2.4000e-004	5.0000e-005	5.8386

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	0.0147	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.0000e-004
Unmitigated	0.0147	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.0000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.1000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0126					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.0000e-004
Total	0.0147	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.0000e-004

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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	2.1000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0126					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.0000e-004
Total	0.0147	0.0000	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-004	1.0000e-004	0.0000	0.0000	1.0000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.2644	0.0112	2.8000e-004	2.6284
Unmitigated	2.2644	0.0112	2.8000e-004	2.6284

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.341249 / 0.209152	2.2644	0.0112	2.8000e-004	2.6284
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		2.2644	0.0112	2.8000e-004	2.6284

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.341249 / 0.209152	2.2644	0.0112	2.8000e-004	2.6284
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		2.2644	0.0112	2.8000e-004	2.6284

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.3634	0.0215	0.0000	0.9002
Unmitigated	0.3634	0.0215	0.0000	0.9002

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	1.79	0.3634	0.0215	0.0000	0.9002
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.3634	0.0215	0.0000	0.9002

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	1.79	0.3634	0.0215	0.0000	0.9002
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.3634	0.0215	0.0000	0.9002

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Fast Cargo - Truck Park
San Bernardino-South Coast County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cement and Mortar Mixers	Diesel	No Change	0	1	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	2	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	2	No Change	0.00
Pavers	Diesel	No Change	0	1	No Change	0.00
Paving Equipment	Diesel	No Change	0	1	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	2	No Change	0.00
Scrapers	Diesel	No Change	0	1	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	6	No Change	0.00
Welders	Diesel	No Change	0	3	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors	1.02000E-003	7.04000E-003	9.07000E-003	1.00000E-005	4.10000E-004	4.10000E-004	0.00000E+000	1.27663E+000	1.27663E+000	8.00000E-005	0.00000E+000	1.27870E+000
Cement and Mortar Mixers	2.90000E-004	1.84000E-003	1.54000E-003	0.00000E+000	7.00000E-005	7.00000E-005	0.00000E+000	2.29140E-001	2.29140E-001	2.00000E-005	0.00000E+000	2.29730E-001
Concrete/Industrial Saws	3.85000E-003	3.03800E-002	3.67400E-002	6.00000E-005	1.73000E-003	1.73000E-003	0.00000E+000	5.37656E+000	5.37656E+000	3.10000E-004	0.00000E+000	5.38437E+000
Generator Sets	1.78700E-002	1.58310E-001	1.84240E-001	3.30000E-004	8.39000E-003	8.39000E-003	0.00000E+000	2.82604E+001	2.82604E+001	1.44000E-003	0.00000E+000	2.82964E+001
Graders	1.36000E-003	1.77700E-002	5.30000E-003	2.00000E-005	5.60000E-004	5.20000E-004	0.00000E+000	1.74638E+000	1.74638E+000	5.60000E-004	0.00000E+000	1.76050E+000
Rollers	8.30000E-004	8.63000E-003	9.30000E-003	1.00000E-005	5.00000E-004	4.60000E-004	0.00000E+000	1.15260E+000	1.15260E+000	3.70000E-004	0.00000E+000	1.16191E+000
Rubber Tired Dozers	1.36000E-002	1.42630E-001	5.24900E-002	1.10000E-004	6.92000E-003	6.37000E-003	0.00000E+000	9.75730E+000	9.75730E+000	3.16000E-003	0.00000E+000	9.83619E+000
Tractors/Loaders/Backhoes	1.09500E-002	1.10870E-001	1.33380E-001	1.80000E-004	6.49000E-003	5.97000E-003	0.00000E+000	1.61239E+001	1.61239E+001	5.21000E-003	0.00000E+000	1.62543E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	1.02000E-003	7.04000E-003	9.07000E-003	1.00000E-005	4.10000E-004	4.10000E-004	0.00000E+000	1.27663E+000	1.27663E+000	8.00000E-005	0.00000E+000	1.27870E+000
Cement and Mortar Mixers	2.90000E-004	1.84000E-003	1.54000E-003	0.00000E+000	7.00000E-005	7.00000E-005	0.00000E+000	2.29140E-001	2.29140E-001	2.00000E-005	0.00000E+000	2.29730E-001
Concrete/Industrial Saws	3.85000E-003	3.03800E-002	3.67400E-002	6.00000E-005	1.73000E-003	1.73000E-003	0.00000E+000	5.37656E+000	5.37656E+000	3.10000E-004	0.00000E+000	5.38436E+000
Generator Sets	1.78700E-002	1.58310E-001	1.84240E-001	3.30000E-004	8.39000E-003	8.39000E-003	0.00000E+000	2.82603E+001	2.82603E+001	1.44000E-003	0.00000E+000	2.82964E+001
Graders	1.36000E-003	1.77700E-002	5.30000E-003	2.00000E-005	5.60000E-004	5.20000E-004	0.00000E+000	1.74638E+000	1.74638E+000	5.60000E-004	0.00000E+000	1.76050E+000
Rollers	8.30000E-004	8.63000E-003	9.30000E-003	1.00000E-005	5.00000E-004	4.60000E-004	0.00000E+000	1.15259E+000	1.15259E+000	3.70000E-004	0.00000E+000	1.16191E+000
Rubber Tired Dozers	1.36000E-002	1.42630E-001	5.24900E-002	1.10000E-004	6.92000E-003	6.37000E-003	0.00000E+000	9.75729E+000	9.75729E+000	3.16000E-003	0.00000E+000	9.83618E+000
Tractors/Loaders/Backhoes	1.09500E-002	1.10870E-001	1.33380E-001	1.80000E-004	6.49000E-003	5.97000E-003	0.00000E+000	1.61239E+001	1.61239E+001	5.21000E-003	0.00000E+000	1.62543E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cement and Mortar Mixers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.85723E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.06156E-006	1.06156E-006	0.00000E+000	0.00000E+000	1.41361E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	8.67604E-006	8.67604E-006	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.02487E-006	1.02487E-006	0.00000E+000	0.00000E+000	1.01665E-006
Tractors/Loaders/Balkhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24039E-006	1.24039E-006	0.00000E+000	0.00000E+000	1.23044E-006

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Replace Ground Cover of Area Disturbed	PM10 Reduction	10.00	PM2.5 Reduction	10.00		
Yes	Water Exposed Area	PM10 Reduction	61.00	PM2.5 Reduction	61.00	Frequency (per day)	3.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	25.00		
Yes	Clean Paved Road	% PM Reduction	25.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.21	0.20
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.03	0.01	0.02	0.01	0.21	0.19
Demolition	Fugitive Dust	0.00	0.00	0.00	0.00	0.64	0.64
Demolition	Roads	0.00	0.00	0.00	0.00	0.21	0.16
Grading	Fugitive Dust	0.02	0.01	0.01	0.00	0.65	0.65
Grading	Roads	0.00	0.00	0.00	0.00	0.21	0.22
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.22	0.20
Site Preparation	Fugitive Dust	0.00	0.00	0.00	0.00	0.65	0.65
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.20	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.01	0.17		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
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Institute Recycling and Composting Services Percent Reduction in Waste Disposed	
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