

2501-2525 East Ball Road - South Coast Air Basin, Winter

2501-2525 East Ball Road
South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	38.00	Space	0.00	0.00	0
Automobile Care Center	4.85	1000sqft	1.86	4,850.00	0
Convenience Market (24 Hour)	6.05	1000sqft	0.00	6,050.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2021
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MW hr)	1047.47	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 - APU Emission Factor - CO2 Intensity Factor

Land Use - Convenience Market 24 hr = 2,950 sq. ft. convenience store and 3,100 sq. ft. canopy structure.
 Automobile Care Center = 4,850 sq. ft. Car Wash.

Construction Phase - Construction Schedule Provided by Applicant.

Demolition - Demoliton assumption provided by Applicant.

Grading - Import/Export Soil provided by Applicant.

Off-road Equipment -

Trips and VMT -

Vehicle Trips - Trip Generation Rates from Traffic Study.

Fleet Mix -

Consumer Products -

Road Dust -

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - SCAQMD RULE #403

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	2.00	15.00
tblConstructionPhase	NumDays	4.00	20.00
tblConstructionPhase	NumDays	200.00	70.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	10.00	20.00
tblGrading	MaterialExported	0.00	664.00
tblGrading	MaterialImported	0.00	223.00
tblLandUse	LandUseSquareFeet	15,200.00	0.00

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tblLandUse	LotAcreage	0.34	0.00
tblLandUse	LotAcreage	0.11	1.86
tblLandUse	LotAcreage	0.14	0.00
tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	UsageHours	6.00	1.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	6.00	4.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1047.47
tblVehicleTrips	ST_TR	23.72	135.28
tblVehicleTrips	ST_TR	863.10	203.65
tblVehicleTrips	SU_TR	11.88	135.28
tblVehicleTrips	SU_TR	758.45	203.65
tblVehicleTrips	WD_TR	23.72	135.28
tblVehicleTrips	WD_TR	737.99	203.65

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	0.2440	5.0000e-005	5.0100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114
Energy	3.3500e-003	0.0305	0.0256	1.8000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003		36.5721	36.5721	7.0000e-004	6.7000e-004	36.7895
Mobile	2.3301	9.9541	19.0684	0.0537	4.0921	0.0483	4.1403	1.0948	0.0450	1.1398		5,470.0279	5,470.0279	0.3523		5,478.8362
Total	2.5775	9.9847	19.0990	0.0538	4.0921	0.0506	4.1427	1.0948	0.0474	1.1421		5,506.6107	5,506.6107	0.3531	6.7000e-004	5,515.6370

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	0.2440	5.0000e-005	5.0100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114
Energy	3.3500e-003	0.0305	0.0256	1.8000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003		36.5721	36.5721	7.0000e-004	6.7000e-004	36.7895
Mobile	2.3301	9.9541	19.0684	0.0537	4.0921	0.0483	4.1403	1.0948	0.0450	1.1398		5,470.0279	5,470.0279	0.3523		5,478.8362
Total	2.5775	9.9847	19.0990	0.0538	4.0921	0.0506	4.1427	1.0948	0.0474	1.1421		5,506.6107	5,506.6107	0.3531	6.7000e-004	5,515.6370

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/7/2020	9/18/2020	5	10	
2	Site Preparation	Site Preparation	9/21/2020	10/9/2020	5	15	
3	Grading	Grading	10/12/2020	11/6/2020	5	20	
4	Building Construction	Building Construction	11/9/2020	2/12/2021	5	70	
5	Paving	Paving	2/15/2021	3/5/2021	5	15	
6	Architectural Coating	Architectural Coating	3/8/2021	4/2/2021	5	20	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 16,350; Non-Residential Outdoor: 5,450; Striped Parking Area: 0 (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	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	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	5	13.00	0.00	77.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	83.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	3.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6734	0.0000	1.6734	0.2534	0.0000	0.2534			0.0000			0.0000
Off-Road	2.1262	20.9463	14.6573	0.0241		1.1525	1.1525		1.0761	1.0761		2,322.312 7	2,322.312 7	0.5970		2,337.236 3
Total	2.1262	20.9463	14.6573	0.0241	1.6734	1.1525	2.8259	0.2534	1.0761	1.3295		2,322.312 7	2,322.312 7	0.5970		2,337.236 3

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3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0629	2.1734	0.4765	5.8800e-003	0.1345	7.0500e-003	0.1415	0.0369	6.7400e-003	0.0436		637.5697	637.5697	0.0477		638.7609
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0642	0.0433	0.4805	1.4000e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		139.4707	139.4707	4.0100e-003		139.5710
Total	0.1270	2.2167	0.9569	7.2800e-003	0.2798	8.1600e-003	0.2880	0.0754	7.7600e-003	0.0832		777.0404	777.0404	0.0517		778.3320

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					0.7530	0.0000	0.7530	0.1140	0.0000	0.1140			0.0000			0.0000
Off-Road	2.1262	20.9463	14.6573	0.0241		1.1525	1.1525		1.0761	1.0761	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363
Total	2.1262	20.9463	14.6573	0.0241	0.7530	1.1525	1.9055	0.1140	1.0761	1.1902	0.0000	2,322.3127	2,322.3127	0.5970		2,337.2363

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3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0629	2.1734	0.4765	5.8800e-003	0.1345	7.0500e-003	0.1415	0.0369	6.7400e-003	0.0436		637.5697	637.5697	0.0477		638.7609
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0642	0.0433	0.4805	1.4000e-003	0.1453	1.1100e-003	0.1464	0.0385	1.0200e-003	0.0396		139.4707	139.4707	4.0100e-003		139.5710
Total	0.1270	2.2167	0.9569	7.2800e-003	0.2798	8.1600e-003	0.2880	0.0754	7.7600e-003	0.0832		777.0404	777.0404	0.0517		778.3320

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796		902.2494	902.2494	0.2918		909.5446
Total	0.9225	9.0637	6.8357	9.3100e-003	0.5303	0.5213	1.0516	0.0573	0.4796	0.5369		902.2494	902.2494	0.2918		909.5446

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3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0247	0.0167	0.1848	5.4000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		53.6426	53.6426	1.5400e-003		53.6812
Total	0.0247	0.0167	0.1848	5.4000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		53.6426	53.6426	1.5400e-003		53.6812

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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796	0.0000	902.2494	902.2494	0.2918		909.5445
Total	0.9225	9.0637	6.8357	9.3100e-003	0.2386	0.5213	0.7599	0.0258	0.4796	0.5054	0.0000	902.2494	902.2494	0.2918		909.5445

2501-2525 East Ball Road - South Coast Air Basin, Winter

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0247	0.0167	0.1848	5.4000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		53.6426	53.6426	1.5400e-003		53.6812
Total	0.0247	0.0167	0.1848	5.4000e-004	0.0559	4.3000e-004	0.0563	0.0148	3.9000e-004	0.0152		53.6426	53.6426	1.5400e-003		53.6812

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7578	0.0000	0.7578	0.4145	0.0000	0.4145			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,157.1597
Total	0.8527	7.7248	8.0981	0.0120	0.7578	0.4561	1.2139	0.4145	0.4355	0.8500		1,151.7011	1,151.7011	0.2184		1,157.1597

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3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0339	1.1714	0.2568	3.1700e-003	0.0725	3.8000e-003	0.0763	0.0199	3.6300e-003	0.0235		343.6252	343.6252	0.0257		344.2673
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0493	0.0333	0.3696	1.0800e-003	0.1118	8.5000e-004	0.1126	0.0296	7.9000e-004	0.0304		107.2851	107.2851	3.0900e-003		107.3623
Total	0.0832	1.2047	0.6264	4.2500e-003	0.1843	4.6500e-003	0.1889	0.0495	4.4200e-003	0.0539		450.9104	450.9104	0.0288		451.6296

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					0.3410	0.0000	0.3410	0.1865	0.0000	0.1865			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,157.1597
Total	0.8527	7.7248	8.0981	0.0120	0.3410	0.4561	0.7971	0.1865	0.4355	0.6220	0.0000	1,151.7011	1,151.7011	0.2184		1,157.1597

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3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0339	1.1714	0.2568	3.1700e-003	0.0725	3.8000e-003	0.0763	0.0199	3.6300e-003	0.0235		343.6252	343.6252	0.0257		344.2673
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0493	0.0333	0.3696	1.0800e-003	0.1118	8.5000e-004	0.1126	0.0296	7.9000e-004	0.0304		107.2851	107.2851	3.0900e-003		107.3623
Total	0.0832	1.2047	0.6264	4.2500e-003	0.1843	4.6500e-003	0.1889	0.0495	4.4200e-003	0.0539		450.9104	450.9104	0.0288		451.6296

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784		1,096.9306	1,096.9306	0.3548		1,105.7998
Total	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784		1,096.9306	1,096.9306	0.3548		1,105.7998

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3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.9400e-003	0.2106	0.0568	5.0000e-004	0.0128	1.0600e-003	0.0139	3.6800e-003	1.0100e-003	4.7000e-003		53.0755	53.0755	3.7300e-003		53.1688
Worker	0.0148	9.9900e-003	0.1109	3.2000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		32.1855	32.1855	9.3000e-004		32.2087
Total	0.0217	0.2206	0.1677	8.2000e-004	0.0463	1.3200e-003	0.0477	0.0126	1.2500e-003	0.0138		85.2610	85.2610	4.6600e-003		85.3775

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	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784	0.0000	1,096.9306	1,096.9306	0.3548		1,105.7998
Total	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784	0.0000	1,096.9306	1,096.9306	0.3548		1,105.7998

2501-2525 East Ball Road - South Coast Air Basin, Winter

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.9400e-003	0.2106	0.0568	5.0000e-004	0.0128	1.0600e-003	0.0139	3.6800e-003	1.0100e-003	4.7000e-003		53.0755	53.0755	3.7300e-003		53.1688
Worker	0.0148	9.9900e-003	0.1109	3.2000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		32.1855	32.1855	9.3000e-004		32.2087
Total	0.0217	0.2206	0.1677	8.2000e-004	0.0463	1.3200e-003	0.0477	0.0126	1.2500e-003	0.0138		85.2610	85.2610	4.6600e-003		85.3775

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	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098		1,097.1688	1,097.1688	0.3549		1,106.0400
Total	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098		1,097.1688	1,097.1688	0.3549		1,106.0400

2501-2525 East Ball Road - South Coast Air Basin, 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	5.9100e-003	0.1911	0.0517	4.9000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0700e-003		52.6748	52.6748	3.5800e-003		52.7642
Worker	0.0138	8.9900e-003	0.1020	3.1000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1200e-003		31.1445	31.1445	8.4000e-004		31.1655
Total	0.0198	0.2001	0.1537	8.0000e-004	0.0463	6.5000e-004	0.0470	0.0126	6.2000e-004	0.0132		83.8193	83.8193	4.4200e-003		83.9297

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	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098	0.0000	1,097.1688	1,097.1688	0.3549		1,106.0400
Total	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098	0.0000	1,097.1688	1,097.1688	0.3549		1,106.0400

2501-2525 East Ball Road - South Coast Air Basin, 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	5.9100e-003	0.1911	0.0517	4.9000e-004	0.0128	4.0000e-004	0.0132	3.6800e-003	3.9000e-004	4.0700e-003		52.6748	52.6748	3.5800e-003		52.7642
Worker	0.0138	8.9900e-003	0.1020	3.1000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1200e-003		31.1445	31.1445	8.4000e-004		31.1655
Total	0.0198	0.2001	0.1537	8.0000e-004	0.0463	6.5000e-004	0.0470	0.0126	6.2000e-004	0.0132		83.8193	83.8193	4.4200e-003		83.9297

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247		1,020.0280	1,020.0280	0.2966		1,027.4434
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247		1,020.0280	1,020.0280	0.2966		1,027.4434

2501-2525 East Ball Road - South Coast Air Basin, Winter

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0830	0.0540	0.6118	1.8800e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		186.8672	186.8672	5.0300e-003		186.9929
Total	0.0830	0.0540	0.6118	1.8800e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		186.8672	186.8672	5.0300e-003		186.9929

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247	0.0000	1,020.0280	1,020.0280	0.2966		1,027.4434
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247	0.0000	1,020.0280	1,020.0280	0.2966		1,027.4434

2501-2525 East Ball Road - South Coast Air Basin, Winter

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0830	0.0540	0.6118	1.8800e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		186.8672	186.8672	5.0300e-003		186.9929
Total	0.0830	0.0540	0.6118	1.8800e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		186.8672	186.8672	5.0300e-003		186.9929

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	5.2711	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

2501-2525 East Ball Road - South Coast Air Basin, Winter

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.6100e-003	3.0000e-003	0.0340	1.0000e-004	0.0112	8.0000e-005	0.0113	2.9600e-003	8.0000e-005	3.0400e-003		10.3815	10.3815	2.8000e-004		10.3885
Total	4.6100e-003	3.0000e-003	0.0340	1.0000e-004	0.0112	8.0000e-005	0.0113	2.9600e-003	8.0000e-005	3.0400e-003		10.3815	10.3815	2.8000e-004		10.3885

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	5.0522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	5.2711	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

2501-2525 East Ball Road - South Coast Air Basin, Winter

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.6100e-003	3.0000e-003	0.0340	1.0000e-004	0.0112	8.0000e-005	0.0113	2.9600e-003	8.0000e-005	3.0400e-003		10.3815	10.3815	2.8000e-004		10.3885
Total	4.6100e-003	3.0000e-003	0.0340	1.0000e-004	0.0112	8.0000e-005	0.0113	2.9600e-003	8.0000e-005	3.0400e-003		10.3815	10.3815	2.8000e-004		10.3885

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

2501-2525 East Ball Road - South Coast Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3301	9.9541	19.0684	0.0537	4.0921	0.0483	4.1403	1.0948	0.0450	1.1398		5,470.0279	5,470.0279	0.3523		5,478.8362
Unmitigated	2.3301	9.9541	19.0684	0.0537	4.0921	0.0483	4.1403	1.0948	0.0450	1.1398		5,470.0279	5,470.0279	0.3523		5,478.8362

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	656.11	656.11	656.11	878,891	878,891
Convenience Market (24 Hour)	1,232.08	1,232.08	1,232.08	1,046,475	1,046,475
Parking Lot	0.00	0.00	0.00		
Total	1,888.19	1,888.19	1,888.19	1,925,366	1,925,366

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
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28
Convenience Market (24 Hour)	16.60	8.40	6.90	0.90	80.10	19.00	24	15	61
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

2501-2525 East Ball Road - South Coast Air Basin, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.551391	0.043400	0.201050	0.120272	0.016162	0.005864	0.021029	0.030512	0.002059	0.001866	0.004766	0.000706	0.000924
Convenience Market (24 Hour)	0.551391	0.043400	0.201050	0.120272	0.016162	0.005864	0.021029	0.030512	0.002059	0.001866	0.004766	0.000706	0.000924
Parking Lot	0.551391	0.043400	0.201050	0.120272	0.016162	0.005864	0.021029	0.030512	0.002059	0.001866	0.004766	0.000706	0.000924

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.3500e-003	0.0305	0.0256	1.8000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003		36.5721	36.5721	7.0000e-004	6.7000e-004	36.7895
NaturalGas Unmitigated	3.3500e-003	0.0305	0.0256	1.8000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003		36.5721	36.5721	7.0000e-004	6.7000e-004	36.7895

2501-2525 East Ball Road - South Coast Air Basin, 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					
Automobile Care Center	277.712	2.9900e-003	0.0272	0.0229	1.6000e-004		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003		32.6720	32.6720	6.3000e-004	6.0000e-004	32.8662
Convenience Market (24 Hour)	33.1507	3.6000e-004	3.2500e-003	2.7300e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		3.9001	3.9001	7.0000e-005	7.0000e-005	3.9233
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		3.3500e-003	0.0305	0.0256	1.8000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003		36.5721	36.5721	7.0000e-004	6.7000e-004	36.7895

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					
Automobile Care Center	0.277712	2.9900e-003	0.0272	0.0229	1.6000e-004		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003		32.6720	32.6720	6.3000e-004	6.0000e-004	32.8662
Convenience Market (24 Hour)	0.0331507	3.6000e-004	3.2500e-003	2.7300e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		3.9001	3.9001	7.0000e-005	7.0000e-005	3.9233
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		3.3500e-003	0.0305	0.0256	1.8000e-004		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003		36.5721	36.5721	7.0000e-004	6.7000e-004	36.7895

6.0 Area Detail

2501-2525 East Ball Road - South Coast Air Basin, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2440	5.0000e-005	5.0100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114
Unmitigated	0.2440	5.0000e-005	5.0100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114

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	0.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2158					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7000e-004	5.0000e-005	5.0100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114
Total	0.2440	5.0000e-005	5.0100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114

2501-2525 East Ball Road - South Coast Air Basin, 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	0.0277					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2158					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7000e-004	5.0000e-005	5.0100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114
Total	0.2440	5.0000e-005	5.0100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0107	0.0107	3.0000e-005		0.0114

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

2501-2525 East Ball Road - South Coast Air Basin, 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

2501-2525 East Ball Road - South Coast Air Basin, Annual

2501-2525 East Ball Road
South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	38.00	Space	0.00	0.00	0
Automobile Care Center	4.85	1000sqft	1.86	4,850.00	0
Convenience Market (24 Hour)	6.05	1000sqft	0.00	6,050.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2021
Utility Company	Anaheim Public Utilities				
CO2 Intensity (lb/MW hr)	1047.47	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

2501-2525 East Ball Road - South Coast Air Basin, Annual

Project Characteristics - APU Emission Factor - CO2 Intensity Factor

Land Use - Convenience Market 24 hr = 2,950 sq. ft. convenience store and 3,100 sq. ft. canopy structure.
 Automobile Care Center = 4,850 sq. ft. Car Wash.

Construction Phase - Construction Schedule Provided by Applicant.

Demolition - Demoliton assumption provided by Applicant.

Grading - Import/Export Soil provided by Applicant.

Off-road Equipment -

Trips and VMT -

Vehicle Trips - Trip Generation Rates from Traffic Study.

Fleet Mix -

Consumer Products -

Road Dust -

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - SCAQMD RULE #403

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	2.00	15.00
tblConstructionPhase	NumDays	4.00	20.00
tblConstructionPhase	NumDays	200.00	70.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	10.00	20.00
tblGrading	MaterialExported	0.00	664.00
tblGrading	MaterialImported	0.00	223.00
tblLandUse	LandUseSquareFeet	15,200.00	0.00

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tblLandUse	LotAcreage	0.34	0.00
tblLandUse	LotAcreage	0.11	1.86
tblLandUse	LotAcreage	0.14	0.00
tblOffRoadEquipment	HorsePower	187.00	174.00
tblOffRoadEquipment	HorsePower	247.00	255.00
tblOffRoadEquipment	HorsePower	231.00	226.00
tblOffRoadEquipment	HorsePower	130.00	125.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	UsageHours	6.00	1.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	6.00	4.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	CO2IntensityFactor	1543.28	1047.47
tblVehicleTrips	ST_TR	23.72	135.28
tblVehicleTrips	ST_TR	863.10	203.65
tblVehicleTrips	SU_TR	11.88	135.28
tblVehicleTrips	SU_TR	758.45	203.65
tblVehicleTrips	WD_TR	23.72	135.28
tblVehicleTrips	WD_TR	737.99	203.65

2.0 Emissions Summary

2501-2525 East Ball Road - South Coast Air Basin, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-7-2020	12-6-2020	0.3673	0.3673
2	12-7-2020	3-6-2021	0.2761	0.2761
3	3-7-2021	6-6-2021	0.0632	0.0632
		Highest	0.3673	0.3673

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	0.0445	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2100e-003	1.2100e-003	0.0000	0.0000	1.2900e-003
Energy	6.1000e-004	5.5600e-003	4.6700e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	58.4110	58.4110	1.5700e-003	4.1000e-004	58.5726
Mobile	0.4076	1.8432	3.4674	9.9400e-003	0.7312	8.7000e-003	0.7399	0.1959	8.1100e-003	0.2041	0.0000	919.4408	919.4408	0.0570	0.0000	920.8664
Waste						0.0000	0.0000		0.0000	0.0000	7.4518	0.0000	7.4518	0.4404	0.0000	18.4615
Water						0.0000	0.0000		0.0000	0.0000	0.2869	8.5215	8.8084	0.0297	7.4000e-004	9.7730
Total	0.4528	1.8487	3.4727	9.9700e-003	0.7312	9.1200e-003	0.7404	0.1959	8.5300e-003	0.2045	7.7387	986.3745	994.1132	0.5287	1.1500e-003	1,007.6748

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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	0.0445	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2100e-003	1.2100e-003	0.0000	0.0000	1.2900e-003
Energy	6.1000e-004	5.5600e-003	4.6700e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	58.4110	58.4110	1.5700e-003	4.1000e-004	58.5726
Mobile	0.4076	1.8432	3.4674	9.9400e-003	0.7312	8.7000e-003	0.7399	0.1959	8.1100e-003	0.2041	0.0000	919.4408	919.4408	0.0570	0.0000	920.8664
Waste						0.0000	0.0000		0.0000	0.0000	7.4518	0.0000	7.4518	0.4404	0.0000	18.4615
Water						0.0000	0.0000		0.0000	0.0000	0.2869	8.5215	8.8084	0.0297	7.4000e-004	9.7730
Total	0.4528	1.8487	3.4727	9.9700e-003	0.7312	9.1200e-003	0.7404	0.1959	8.5300e-003	0.2045	7.7387	986.3745	994.1132	0.5287	1.1500e-003	1,007.6748

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

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/7/2020	9/18/2020	5	10	
2	Site Preparation	Site Preparation	9/21/2020	10/9/2020	5	15	
3	Grading	Grading	10/12/2020	11/6/2020	5	20	
4	Building Construction	Building Construction	11/9/2020	2/12/2021	5	70	
5	Paving	Paving	2/15/2021	3/5/2021	5	15	
6	Architectural Coating	Architectural Coating	3/8/2021	4/2/2021	5	20	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 16,350; Non-Residential Outdoor: 5,450; Striped Parking Area: 0 (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	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	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	5	13.00	0.00	77.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	83.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	3.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.3700e-003	0.0000	8.3700e-003	1.2700e-003	0.0000	1.2700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0106	0.1047	0.0733	1.2000e-004		5.7600e-003	5.7600e-003		5.3800e-003	5.3800e-003	0.0000	10.5338	10.5338	2.7100e-003	0.0000	10.6015
Total	0.0106	0.1047	0.0733	1.2000e-004	8.3700e-003	5.7600e-003	0.0141	1.2700e-003	5.3800e-003	6.6500e-003	0.0000	10.5338	10.5338	2.7100e-003	0.0000	10.6015

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3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0111	2.3000e-003	3.0000e-005	6.6000e-004	3.0000e-005	7.0000e-004	1.8000e-004	3.0000e-005	2.2000e-004	0.0000	2.9211	2.9211	2.1000e-004	0.0000	2.9264
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	2.9000e-004	2.2000e-004	2.4700e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6426	0.6426	2.0000e-005	0.0000	0.6431
Total	6.0000e-004	0.0113	4.7700e-003	4.0000e-005	1.3700e-003	4.0000e-005	1.4200e-003	3.7000e-004	4.0000e-005	4.1000e-004	0.0000	3.5637	3.5637	2.3000e-004	0.0000	3.5695

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					3.7700e-003	0.0000	3.7700e-003	5.7000e-004	0.0000	5.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0106	0.1047	0.0733	1.2000e-004		5.7600e-003	5.7600e-003		5.3800e-003	5.3800e-003	0.0000	10.5338	10.5338	2.7100e-003	0.0000	10.6015
Total	0.0106	0.1047	0.0733	1.2000e-004	3.7700e-003	5.7600e-003	9.5300e-003	5.7000e-004	5.3800e-003	5.9500e-003	0.0000	10.5338	10.5338	2.7100e-003	0.0000	10.6015

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3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0111	2.3000e-003	3.0000e-005	6.6000e-004	3.0000e-005	7.0000e-004	1.8000e-004	3.0000e-005	2.2000e-004	0.0000	2.9211	2.9211	2.1000e-004	0.0000	2.9264
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	2.9000e-004	2.2000e-004	2.4700e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	0.6426	0.6426	2.0000e-005	0.0000	0.6431
Total	6.0000e-004	0.0113	4.7700e-003	4.0000e-005	1.3700e-003	4.0000e-005	1.4200e-003	3.7000e-004	4.0000e-005	4.1000e-004	0.0000	3.5637	3.5637	2.3000e-004	0.0000	3.5695

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9800e-003	0.0000	3.9800e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.9200e-003	0.0680	0.0513	7.0000e-005		3.9100e-003	3.9100e-003		3.6000e-003	3.6000e-003	0.0000	6.1388	6.1388	1.9900e-003	0.0000	6.1884
Total	6.9200e-003	0.0680	0.0513	7.0000e-005	3.9800e-003	3.9100e-003	7.8900e-003	4.3000e-004	3.6000e-003	4.0300e-003	0.0000	6.1388	6.1388	1.9900e-003	0.0000	6.1884

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3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.3000e-004	1.4200e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3707	0.3707	1.0000e-005	0.0000	0.3710
Total	1.7000e-004	1.3000e-004	1.4200e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3707	0.3707	1.0000e-005	0.0000	0.3710

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					1.7900e-003	0.0000	1.7900e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.9200e-003	0.0680	0.0513	7.0000e-005		3.9100e-003	3.9100e-003		3.6000e-003	3.6000e-003	0.0000	6.1388	6.1388	1.9900e-003	0.0000	6.1884
Total	6.9200e-003	0.0680	0.0513	7.0000e-005	1.7900e-003	3.9100e-003	5.7000e-003	1.9000e-004	3.6000e-003	3.7900e-003	0.0000	6.1388	6.1388	1.9900e-003	0.0000	6.1884

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3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.3000e-004	1.4200e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3707	0.3707	1.0000e-005	0.0000	0.3710
Total	1.7000e-004	1.3000e-004	1.4200e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3707	0.3707	1.0000e-005	0.0000	0.3710

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5800e-003	0.0000	7.5800e-003	4.1500e-003	0.0000	4.1500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5300e-003	0.0773	0.0810	1.2000e-004		4.5600e-003	4.5600e-003		4.3500e-003	4.3500e-003	0.0000	10.4481	10.4481	1.9800e-003	0.0000	10.4976
Total	8.5300e-003	0.0773	0.0810	1.2000e-004	7.5800e-003	4.5600e-003	0.0121	4.1500e-003	4.3500e-003	8.5000e-003	0.0000	10.4481	10.4481	1.9800e-003	0.0000	10.4976

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3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0119	2.4800e-003	3.0000e-005	7.1000e-004	4.0000e-005	7.5000e-004	2.0000e-004	4.0000e-005	2.3000e-004	0.0000	3.1487	3.1487	2.3000e-004	0.0000	3.1544
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.4000e-004	3.7900e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9886	0.9886	3.0000e-005	0.0000	0.9893
Total	7.8000e-004	0.0123	6.2700e-003	4.0000e-005	1.8100e-003	5.0000e-005	1.8600e-003	4.9000e-004	5.0000e-005	5.3000e-004	0.0000	4.1374	4.1374	2.6000e-004	0.0000	4.1438

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					3.4100e-003	0.0000	3.4100e-003	1.8700e-003	0.0000	1.8700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5300e-003	0.0773	0.0810	1.2000e-004		4.5600e-003	4.5600e-003		4.3500e-003	4.3500e-003	0.0000	10.4480	10.4480	1.9800e-003	0.0000	10.4976
Total	8.5300e-003	0.0773	0.0810	1.2000e-004	3.4100e-003	4.5600e-003	7.9700e-003	1.8700e-003	4.3500e-003	6.2200e-003	0.0000	10.4480	10.4480	1.9800e-003	0.0000	10.4976

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3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0119	2.4800e-003	3.0000e-005	7.1000e-004	4.0000e-005	7.5000e-004	2.0000e-004	4.0000e-005	2.3000e-004	0.0000	3.1487	3.1487	2.3000e-004	0.0000	3.1544
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.4000e-004	3.7900e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9886	0.9886	3.0000e-005	0.0000	0.9893
Total	7.8000e-004	0.0123	6.2700e-003	4.0000e-005	1.8100e-003	5.0000e-005	1.8600e-003	4.9000e-004	5.0000e-005	5.3000e-004	0.0000	4.1374	4.1374	2.6000e-004	0.0000	4.1438

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0167	0.1715	0.1436	2.2000e-004		0.0101	0.0101		9.3300e-003	9.3300e-003	0.0000	19.4048	19.4048	6.2800e-003	0.0000	19.5617
Total	0.0167	0.1715	0.1436	2.2000e-004		0.0101	0.0101		9.3300e-003	9.3300e-003	0.0000	19.4048	19.4048	6.2800e-003	0.0000	19.5617

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3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3000e-004	4.1800e-003	1.0500e-003	1.0000e-005	2.5000e-004	2.0000e-005	2.7000e-004	7.0000e-005	2.0000e-005	9.0000e-005	0.0000	0.9541	0.9541	6.0000e-005	0.0000	0.9557
Worker	2.6000e-004	2.0000e-004	2.2200e-003	1.0000e-005	6.4000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5784	0.5784	2.0000e-005	0.0000	0.5788
Total	3.9000e-004	4.3800e-003	3.2700e-003	2.0000e-005	8.9000e-004	2.0000e-005	9.2000e-004	2.4000e-004	2.0000e-005	2.7000e-004	0.0000	1.5325	1.5325	8.0000e-005	0.0000	1.5345

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	0.0167	0.1715	0.1436	2.2000e-004		0.0101	0.0101		9.3300e-003	9.3300e-003	0.0000	19.4048	19.4048	6.2800e-003	0.0000	19.5617
Total	0.0167	0.1715	0.1436	2.2000e-004		0.0101	0.0101		9.3300e-003	9.3300e-003	0.0000	19.4048	19.4048	6.2800e-003	0.0000	19.5617

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3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3000e-004	4.1800e-003	1.0500e-003	1.0000e-005	2.5000e-004	2.0000e-005	2.7000e-004	7.0000e-005	2.0000e-005	9.0000e-005	0.0000	0.9541	0.9541	6.0000e-005	0.0000	0.9557
Worker	2.6000e-004	2.0000e-004	2.2200e-003	1.0000e-005	6.4000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5784	0.5784	2.0000e-005	0.0000	0.5788
Total	3.9000e-004	4.3800e-003	3.2700e-003	2.0000e-005	8.9000e-004	2.0000e-005	9.2000e-004	2.4000e-004	2.0000e-005	2.7000e-004	0.0000	1.5325	1.5325	8.0000e-005	0.0000	1.5345

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	0.0119	0.1230	0.1123	1.8000e-004		6.9000e-003	6.9000e-003		6.3500e-003	6.3500e-003	0.0000	15.4277	15.4277	4.9900e-003	0.0000	15.5524
Total	0.0119	0.1230	0.1123	1.8000e-004		6.9000e-003	6.9000e-003		6.3500e-003	6.3500e-003	0.0000	15.4277	15.4277	4.9900e-003	0.0000	15.5524

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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	9.0000e-005	3.0200e-003	7.6000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.0000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7527	0.7527	5.0000e-005	0.0000	0.7539
Worker	1.9000e-004	1.4000e-004	1.6200e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4448	0.4448	1.0000e-005	0.0000	0.4451
Total	2.8000e-004	3.1600e-003	2.3800e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.1000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	1.1975	1.1975	6.0000e-005	0.0000	1.1991

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0119	0.1230	0.1123	1.8000e-004		6.9000e-003	6.9000e-003		6.3500e-003	6.3500e-003	0.0000	15.4277	15.4277	4.9900e-003	0.0000	15.5524
Total	0.0119	0.1230	0.1123	1.8000e-004		6.9000e-003	6.9000e-003		6.3500e-003	6.3500e-003	0.0000	15.4277	15.4277	4.9900e-003	0.0000	15.5524

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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	9.0000e-005	3.0200e-003	7.6000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.0000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7527	0.7527	5.0000e-005	0.0000	0.7539
Worker	1.9000e-004	1.4000e-004	1.6200e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4448	0.4448	1.0000e-005	0.0000	0.4451
Total	2.8000e-004	3.1600e-003	2.3800e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.1000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	1.1975	1.1975	6.0000e-005	0.0000	1.1991

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.3500e-003	0.0497	0.0524	8.0000e-005		2.6200e-003	2.6200e-003		2.4400e-003	2.4400e-003	0.0000	6.9402	6.9402	2.0200e-003	0.0000	6.9906
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.3500e-003	0.0497	0.0524	8.0000e-005		2.6200e-003	2.6200e-003		2.4400e-003	2.4400e-003	0.0000	6.9402	6.9402	2.0200e-003	0.0000	6.9906

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3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	4.2000e-004	4.7100e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2915	1.2915	3.0000e-005	0.0000	1.2924
Total	5.6000e-004	4.2000e-004	4.7100e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2915	1.2915	3.0000e-005	0.0000	1.2924

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	5.3500e-003	0.0497	0.0524	8.0000e-005		2.6200e-003	2.6200e-003		2.4400e-003	2.4400e-003	0.0000	6.9402	6.9402	2.0200e-003	0.0000	6.9906
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.3500e-003	0.0497	0.0524	8.0000e-005		2.6200e-003	2.6200e-003		2.4400e-003	2.4400e-003	0.0000	6.9402	6.9402	2.0200e-003	0.0000	6.9906

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3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	4.2000e-004	4.7100e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2915	1.2915	3.0000e-005	0.0000	1.2924
Total	5.6000e-004	4.2000e-004	4.7100e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2915	1.2915	3.0000e-005	0.0000	1.2924

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0505					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	0.0527	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

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3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0957	0.0957	0.0000	0.0000	0.0957
Total	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0957	0.0957	0.0000	0.0000	0.0957

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	0.0505					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	0.0527	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

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3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0957	0.0957	0.0000	0.0000	0.0957
Total	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0957	0.0957	0.0000	0.0000	0.0957

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4076	1.8432	3.4674	9.9400e-003	0.7312	8.7000e-003	0.7399	0.1959	8.1100e-003	0.2041	0.0000	919.4408	919.4408	0.0570	0.0000	920.8664
Unmitigated	0.4076	1.8432	3.4674	9.9400e-003	0.7312	8.7000e-003	0.7399	0.1959	8.1100e-003	0.2041	0.0000	919.4408	919.4408	0.0570	0.0000	920.8664

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	656.11	656.11	656.11	878,891	878,891
Convenience Market (24 Hour)	1,232.08	1,232.08	1,232.08	1,046,475	1,046,475
Parking Lot	0.00	0.00	0.00		
Total	1,888.19	1,888.19	1,888.19	1,925,366	1,925,366

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
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28
Convenience Market (24 Hour)	16.60	8.40	6.90	0.90	80.10	19.00	24	15	61
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.551391	0.043400	0.201050	0.120272	0.016162	0.005864	0.021029	0.030512	0.002059	0.001866	0.004766	0.000706	0.000924
Convenience Market (24 Hour)	0.551391	0.043400	0.201050	0.120272	0.016162	0.005864	0.021029	0.030512	0.002059	0.001866	0.004766	0.000706	0.000924
Parking Lot	0.551391	0.043400	0.201050	0.120272	0.016162	0.005864	0.021029	0.030512	0.002059	0.001866	0.004766	0.000706	0.000924

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	52.3561	52.3561	1.4500e-003	3.0000e-004	52.4817
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	52.3561	52.3561	1.4500e-003	3.0000e-004	52.4817
NaturalGas Mitigated	6.1000e-004	5.5600e-003	4.6700e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	6.0549	6.0549	1.2000e-004	1.1000e-004	6.0909
NaturalGas Unmitigated	6.1000e-004	5.5600e-003	4.6700e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	6.0549	6.0549	1.2000e-004	1.1000e-004	6.0909

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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					
Automobile Care Center	101365	5.5000e-004	4.9700e-003	4.1700e-003	3.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	5.4092	5.4092	1.0000e-004	1.0000e-004	5.4414
Convenience Market (24 Hour)	12100	7.0000e-005	5.9000e-004	5.0000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6457	0.6457	1.0000e-005	1.0000e-005	0.6495
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		6.2000e-004	5.5600e-003	4.6700e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	6.0549	6.0549	1.1000e-004	1.1000e-004	6.0909

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					
Automobile Care Center	101365	5.5000e-004	4.9700e-003	4.1700e-003	3.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	5.4092	5.4092	1.0000e-004	1.0000e-004	5.4414
Convenience Market (24 Hour)	12100	7.0000e-005	5.9000e-004	5.0000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6457	0.6457	1.0000e-005	1.0000e-005	0.6495
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		6.2000e-004	5.5600e-003	4.6700e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	6.0549	6.0549	1.1000e-004	1.1000e-004	6.0909

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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			
Automobile Care Center	40982.5	19.4718	5.4000e-004	1.1000e-004	19.5185
Convenience Market (24 Hour)	69212	32.8843	9.1000e-004	1.9000e-004	32.9632
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		52.3561	1.4500e-003	3.0000e-004	52.4817

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	40982.5	19.4718	5.4000e-004	1.1000e-004	19.5185
Convenience Market (24 Hour)	69212	32.8843	9.1000e-004	1.9000e-004	32.9632
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		52.3561	1.4500e-003	3.0000e-004	52.4817

6.0 Area Detail

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6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0445	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2100e-003	1.2100e-003	0.0000	0.0000	1.2900e-003
Unmitigated	0.0445	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2100e-003	1.2100e-003	0.0000	0.0000	1.2900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.0500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0394					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2100e-003	1.2100e-003	0.0000	0.0000	1.2900e-003
Total	0.0445	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2100e-003	1.2100e-003	0.0000	0.0000	1.2900e-003

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.0500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0394					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2100e-003	1.2100e-003	0.0000	0.0000	1.2900e-003
Total	0.0445	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2100e-003	1.2100e-003	0.0000	0.0000	1.2900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	8.8084	0.0297	7.4000e-004	9.7730
Unmitigated	8.8084	0.0297	7.4000e-004	9.7730

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.456293 / 0.279664	4.4439	0.0150	3.8000e-004	4.9306
Convenience Market (24 Hour)	0.448139 / 0.274666	4.3645	0.0147	3.7000e-004	4.8424
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		8.8084	0.0297	7.5000e-004	9.7730

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.456293 / 0.279664	4.4439	0.0150	3.8000e-004	4.9306
Convenience Market (24 Hour)	0.448139 / 0.274666	4.3645	0.0147	3.7000e-004	4.8424
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		8.8084	0.0297	7.5000e-004	9.7730

8.0 Waste Detail**8.1 Mitigation Measures Waste**

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7.4518	0.4404	0.0000	18.4615
Unmitigated	7.4518	0.4404	0.0000	18.4615

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	18.53	3.7614	0.2223	0.0000	9.3188
Convenience Market (24 Hour)	18.18	3.6904	0.2181	0.0000	9.1428
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		7.4518	0.4404	0.0000	18.4615

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	18.53	3.7614	0.2223	0.0000	9.3188
Convenience Market (24 Hour)	18.18	3.6904	0.2181	0.0000	9.1428
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		7.4518	0.4404	0.0000	18.4615

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
