APPENDIX B
AIR QUALITY/GREENHOUSE GAS/ENERGY DATA

Existing Conditions

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	3.10	1000sqft	0.07	3,099.00	0
Manufacturing	3.10	1000sqft	0.07	3,100.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	9			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - consistent with traffic study

Construction Phase -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - traffic study Table 8-1

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblVehicleTrips	ST_TR	2.46	9.74
tblVehicleTrips	ST_TR	1.49	3.93
tblVehicleTrips	SU_TR	1.05	9.74
tblVehicleTrips	SU_TR	0.62	3.93
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	3.82	3.93

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0756	0.4689	0.4393	7.1000e-004	3.3200e-003	0.0260	0.0293	1.1000e-003	0.0240	0.0251	0.0000	62.4482	62.4482	0.0182	0.0000	62.9034
Maximum	**0.0756**	**0.4689**	**0.4393**	**7.1000e-004**	**3.3200e-003**	**0.0260**	**0.0293**	**1.1000e-003**	**0.0240**	**0.0251**	**0.0000**	**62.4482**	**62.4482**	**0.0182**	**0.0000**	**62.9034**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0756	0.4689	0.4393	7.1000e-004	3.3200e-003	0.0260	0.0293	1.1000e-003	0.0240	0.0251	0.0000	62.4482	62.4482	0.0182	0.0000	62.9033
Maximum	**0.0756**	**0.4689**	**0.4393**	**7.1000e-004**	**3.3200e-003**	**0.0260**	**0.0293**	**1.1000e-003**	**0.0240**	**0.0251**	**0.0000**	**62.4482**	**62.4482**	**0.0182**	**0.0000**	**62.9033**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-1-2021**	**9-30-2021**	0.2872	0.2872
		Highest	0.2872	0.2872

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	0.0253	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-004	1.5000e-004	0.0000	0.0000	1.6000e-004
Energy	4.8000e-004	4.3300e-003	3.6400e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	28.5060	28.5060	1.0700e-003	2.9000e-004	28.6191

Mobile	0.0127	0.0699	0.1765	6.7000e-004	0.0574	5.4000e-004	0.0580	0.0154	5.0000e-004	0.0159	0.0000	62.2843	62.2843	2.9400e-003	0.0000	62.3577
Waste						0.0000	0.0000		0.0000	0.0000	1.3641	0.0000	1.3641	0.0806	0.0000	3.3795
Water						0.0000	0.0000		0.0000	0.0000	0.4022	6.4554	6.8576	0.0416	1.0300e-003	8.2043
Total	**0.0384**	**0.0743**	**0.1803**	**7.0000e-004**	**0.0574**	**8.7000e-004**	**0.0583**	**0.0154**	**8.3000e-004**	**0.0162**	**1.7663**	**97.2458**	**99.0121**	**0.1262**	**1.3200e-003**	**102.5608**

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	0.0253	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-004	1.5000e-004	0.0000	0.0000	1.6000e-004
Energy	4.8000e-004	4.3300e-003	3.6400e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	28.5060	28.5060	1.0700e-003	2.9000e-004	28.6191
Mobile	0.0127	0.0699	0.1765	6.7000e-004	0.0574	5.4000e-004	0.0580	0.0154	5.0000e-004	0.0159	0.0000	62.2843	62.2843	2.9400e-003	0.0000	62.3577
Waste						0.0000	0.0000		0.0000	0.0000	1.3641	0.0000	1.3641	0.0806	0.0000	3.3795
Water						0.0000	0.0000		0.0000	0.0000	0.4022	6.4554	6.8576	0.0416	1.0300e-003	8.2043
Total	**0.0384**	**0.0743**	**0.1803**	**7.0000e-004**	**0.0574**	**8.7000e-004**	**0.0583**	**0.0154**	**8.3000e-004**	**0.0162**	**1.7663**	**97.2458**	**99.0121**	**0.1262**	**1.3200e-003**	**102.5608**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	7/1/2021	7/14/2021	5	10	
2	Grading	Grading	7/15/2021	7/16/2021	5	2	
3	Building Construction	Building Construction	7/17/2021	12/3/2021	5	100	
4	Paving	Paving	12/4/2021	12/10/2021	5	5	
5	Architectural Coating	Architectural Coating	12/11/2021	12/17/2021	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 9,299; Non-Residential Outdoor: 3,100; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	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	130	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	4	10.00	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	5	2.00	1.00	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	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9800e-003	0.0363	0.0379	6.0000e-005		2.0400e-003	2.0400e-003		1.9400e-003	1.9400e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289
Total	**3.9800e-003**	**0.0363**	**0.0379**	**6.0000e-005**	**0.0000**	**2.0400e-003**	**2.0400e-003**	**0.0000**	**1.9400e-003**	**1.9400e-003**	**0.0000**	**5.2047**	**5.2047**	**9.7000e-004**	**0.0000**	**5.2289**

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	2.1000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4783	0.4783	1.0000e-005	0.0000	0.4787
Total	**2.1000e-004**	**1.5000e-004**	**1.7400e-003**	**1.0000e-005**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4783**	**0.4783**	**1.0000e-005**	**0.0000**	**0.4787**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9800e-003	0.0363	0.0379	6.0000e-005		2.0400e-003	2.0400e-003		1.9400e-003	1.9400e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289
Total	**3.9800e-003**	**0.0363**	**0.0379**	**6.0000e-005**	**0.0000**	**2.0400e-003**	**2.0400e-003**	**0.0000**	**1.9400e-003**	**1.9400e-003**	**0.0000**	**5.2047**	**5.2047**	**9.7000e-004**	**0.0000**	**5.2289**

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	2.1000e-004	1.5000e-004	1.7400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4783	0.4783	1.0000e-005	0.0000	0.4787
Total	**2.1000e-004**	**1.5000e-004**	**1.7400e-003**	**1.0000e-005**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4783**	**0.4783**	**1.0000e-005**	**0.0000**	**0.4787**

3.3 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					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0000e-004	7.2500e-003	7.5700e-003	1.0000e-005		4.1000e-004	4.1000e-004		3.9000e-004	3.9000e-004	0.0000	1.0409	1.0409	1.9000e-004	0.0000	1.0458
Total	**8.0000e-004**	**7.2500e-003**	**7.5700e-003**	**1.0000e-005**	**7.5000e-004**	**4.1000e-004**	**1.1600e-003**	**4.1000e-004**	**3.9000e-004**	**8.0000e-004**	**0.0000**	**1.0409**	**1.0409**	**1.9000e-004**	**0.0000**	**1.0458**

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					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0000e-004	7.2500e-003	7.5700e-003	1.0000e-005		4.1000e-004	4.1000e-004		3.9000e-004	3.9000e-004	0.0000	1.0409	1.0409	1.9000e-004	0.0000	1.0458
Total	**8.0000e-004**	**7.2500e-003**	**7.5700e-003**	**1.0000e-005**	**7.5000e-004**	**4.1000e-004**	**1.1600e-003**	**4.1000e-004**	**3.9000e-004**	**8.0000e-004**	**0.0000**	**1.0409**	**1.0409**	**1.9000e-004**	**0.0000**	**1.0458**

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**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0388	0.3993	0.3632	5.7000e-004		0.0224	0.0224		0.0206	0.0206	0.0000	50.0410	50.0410	0.0162	0.0000	50.4456

Total	**0.0388**	**0.3993**	**0.3632**	**5.7000e-004**		**0.0224**	**0.0224**		**0.0206**	**0.0206**	**0.0000**	**50.0410**	**50.0410**	**0.0162**	**0.0000**	**50.4456**

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	1.4000e-004	4.8600e-003	1.2300e-003	1.0000e-005	3.2000e-004	1.0000e-005	3.3000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.2140	1.2140	8.0000e-005	0.0000	1.2160
Worker	4.2000e-004	3.1000e-004	3.4900e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9567	0.9567	3.0000e-005	0.0000	0.9573
Total	**5.6000e-004**	**5.1700e-003**	**4.7200e-003**	**2.0000e-005**	**1.4200e-003**	**2.0000e-005**	**1.4400e-003**	**3.8000e-004**	**2.0000e-005**	**4.0000e-004**	**0.0000**	**2.1707**	**2.1707**	**1.1000e-004**	**0.0000**	**2.1733**

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	0.0388	0.3993	0.3632	5.7000e-004		0.0224	0.0224		0.0206	0.0206	0.0000	50.0410	50.0410	0.0162	0.0000	50.4456
Total	**0.0388**	**0.3993**	**0.3632**	**5.7000e-004**		**0.0224**	**0.0224**		**0.0206**	**0.0206**	**0.0000**	**50.0410**	**50.0410**	**0.0162**	**0.0000**	**50.4456**

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	1.4000e-004	4.8600e-003	1.2300e-003	1.0000e-005	3.2000e-004	1.0000e-005	3.3000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.2140	1.2140	8.0000e-005	0.0000	1.2160
Worker	4.2000e-004	3.1000e-004	3.4900e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9567	0.9567	3.0000e-005	0.0000	0.9573
Total	**5.6000e-004**	**5.1700e-003**	**4.7200e-003**	**2.0000e-005**	**1.4200e-003**	**2.0000e-005**	**1.4400e-003**	**3.8000e-004**	**2.0000e-005**	**4.0000e-004**	**0.0000**	**2.1707**	**2.1707**	**1.1000e-004**	**0.0000**	**2.1733**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.8000e-003	0.0168	0.0177	3.0000e-005		8.8000e-004	8.8000e-004		8.2000e-004	8.2000e-004	0.0000	2.3481	2.3481	6.8000e-004	0.0000	2.3652
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.8000e-003**	**0.0168**	**0.0177**	**3.0000e-005**		**8.8000e-004**	**8.8000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.3481**	**2.3481**	**6.8000e-004**	**0.0000**	**2.3652**

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	1.9000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4305	0.4305	1.0000e-005	0.0000	0.4308
Total	**1.9000e-004**	**1.4000e-004**	**1.5700e-003**	**0.0000**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4305**	**0.4305**	**1.0000e-005**	**0.0000**	**0.4308**

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	1.8000e-003	0.0168	0.0177	3.0000e-005		8.8000e-004	8.8000e-004		8.2000e-004	8.2000e-004	0.0000	2.3481	2.3481	6.8000e-004	0.0000	2.3652
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.8000e-003**	**0.0168**	**0.0177**	**3.0000e-005**		**8.8000e-004**	**8.8000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.3481**	**2.3481**	**6.8000e-004**	**0.0000**	**2.3652**

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	1.9000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4305	0.4305	1.0000e-005	0.0000	0.4308
Total	**1.9000e-004**	**1.4000e-004**	**1.5700e-003**	**0.0000**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4305**	**0.4305**	**1.0000e-005**	**0.0000**	**0.4308**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5000e-004	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	**0.0293**	**3.8200e-003**	**4.5400e-003**	**1.0000e-005**		**2.4000e-004**	**2.4000e-004**		**2.4000e-004**	**2.4000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6394**

Unmitigated Construction Off-Site

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

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	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5000e-004	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	**0.0293**	**3.8200e-003**	**4.5400e-003**	**1.0000e-005**		**2.4000e-004**	**2.4000e-004**		**2.4000e-004**	**2.4000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6394**

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0127	0.0699	0.1765	6.7000e-004	0.0574	5.4000e-004	0.0580	0.0154	5.0000e-004	0.0159	0.0000	62.2843	62.2843	2.9400e-003	0.0000	62.3577
Unmitigated	0.0127	0.0699	0.1765	6.7000e-004	0.0574	5.4000e-004	0.0580	0.0154	5.0000e-004	0.0159	0.0000	62.2843	62.2843	2.9400e-003	0.0000	62.3577

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	30.18	30.18	30.18	97,237	97,237
Manufacturing	12.18	12.18	12.18	53,950	53,950
Total	42.37	42.37	42.37	151,187	151,187

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-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
Manufacturing	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896
Manufacturing	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	23.7902	23.7902	9.8000e-004	2.0000e-004	23.8753
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	23.7902	23.7902	9.8000e-004	2.0000e-004	23.8753
NaturalGas Mitigated	4.8000e-004	4.3300e-003	3.6400e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7158	4.7158	9.0000e-005	9.0000e-005	4.7438
NaturalGas Unmitigated	4.8000e-004	4.3300e-003	3.6400e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7158	4.7158	9.0000e-005	9.0000e-005	4.7438

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	32260.6	1.7000e-004	1.5800e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7216	1.7216	3.0000e-005	3.0000e-005	1.7318
Manufacturing	56110	3.0000e-004	2.7500e-003	2.3100e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	2.9942	2.9942	6.0000e-005	5.0000e-005	3.0120
Total		**4.7000e-004**	**4.3300e-003**	**3.6400e-003**	**3.0000e-005**		**3.3000e-004**	**3.3000e-004**		**3.3000e-004**	**3.3000e-004**	**0.0000**	**4.7158**	**4.7158**	**9.0000e-005**	**8.0000e-005**	**4.7438**

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	32260.6	1.7000e-004	1.5800e-003	1.3300e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	1.7216	1.7216	3.0000e-005	3.0000e-005	1.7318
Manufacturing	56110	3.0000e-004	2.7500e-003	2.3100e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	2.9942	2.9942	6.0000e-005	5.0000e-005	3.0120
Total		**4.7000e-004**	**4.3300e-003**	**3.6400e-003**	**3.0000e-005**		**3.3000e-004**	**3.3000e-004**		**3.3000e-004**	**3.3000e-004**	**0.0000**	**4.7158**	**4.7158**	**9.0000e-005**	**8.0000e-005**	**4.7438**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	40256	12.8264	5.3000e-004	1.1000e-004	12.8723
Manufacturing	34410	10.9638	4.5000e-004	9.0000e-005	11.0030
Total		**23.7902**	**9.8000e-004**	**2.0000e-004**	**23.8753**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	40256	12.8264	5.3000e-004	1.1000e-004	12.8723

Manufacturing	34410	10.9638	4.5000e-004	9.0000e-005	11.0030
Total		**23.7902**	**9.8000e-004**	**2.0000e-004**	**23.8753**

6.0 Area Detail

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	0.0253	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-004	1.5000e-004	0.0000	0.0000	1.6000e-004
Unmitigated	0.0253	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-004	1.5000e-004	0.0000	0.0000	1.6000e-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	2.8700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0224					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-004	1.5000e-004	0.0000	0.0000	1.6000e-004

Total	**0.0253**	**0.0000**	**8.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.5000e-004**	**1.5000e-004**	**0.0000**	**0.0000**	**1.6000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.8700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0224					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-004	1.5000e-004	0.0000	0.0000	1.6000e-004
Total	**0.0253**	**0.0000**	**8.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.5000e-004**	**1.5000e-004**	**0.0000**	**0.0000**	**1.6000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	6.8576	0.0416	1.0300e-003	8.2043
Unmitigated	6.8576	0.0416	1.0300e-003	8.2043

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.550975 / 0.337694	3.6561	0.0181	4.5000e-004	4.2437
Manufacturing	0.716875 / 0	3.2016	0.0235	5.8000e-004	3.9606
Total		**6.8576**	**0.0416**	**1.0300e-003**	**8.2043**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.550975 / 0.337694	3.6561	0.0181	4.5000e-004	4.2437
Manufacturing	0.716875 / 0	3.2016	0.0235	5.8000e-004	3.9606
Total		**6.8576**	**0.0416**	**1.0300e-003**	**8.2043**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.3641	0.0806	0.0000	3.3795
Unmitigated	1.3641	0.0806	0.0000	3.3795

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	2.88	0.5846	0.0346	0.0000	1.4484
Manufacturing	3.84	0.7795	0.0461	0.0000	1.9311
Total		**1.3641**	**0.0806**	**0.0000**	**3.3795**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	2.88	0.5846	0.0346	0.0000	1.4484

Manufacturing	3.84	0.7795	0.0461	0.0000	1.9311
Total		**1.3641**	**0.0806**	**0.0000**	**3.3795**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Conditions

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	3.10	1000sqft	0.07	3,099.00	0
Manufacturing	3.10	1000sqft	0.07	3,100.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	9			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - consistent with traffic study

Construction Phase -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - traffic study Table 8-1

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblVehicleTrips	ST_TR	2.46	9.74
tblVehicleTrips	ST_TR	1.49	3.93
tblVehicleTrips	SU_TR	1.05	9.74
tblVehicleTrips	SU_TR	0.62	3.93
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	3.82	3.93

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	11.7128	8.0862	7.9446	0.0133	0.8645	0.4479	1.2727	0.4434	0.4121	0.8328	0.0000	1,258.1236	1,258.1236	0.3591	0.0000	1,263.5442
Maximum	**11.7128**	**8.0862**	**7.9446**	**0.0133**	**0.8645**	**0.4479**	**1.2727**	**0.4434**	**0.4121**	**0.8328**	**0.0000**	**1,258.1236**	**1,258.1236**	**0.3591**	**0.0000**	**1,263.5442**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	11.7128	8.0862	7.9446	0.0133	0.8645	0.4479	1.2727	0.4434	0.4121	0.8328	0.0000	1,258.1236	1,258.1236	0.3591	0.0000	1,263.5442
Maximum	**11.7128**	**8.0862**	**7.9446**	**0.0133**	**0.8645**	**0.4479**	**1.2727**	**0.4434**	**0.4121**	**0.8328**	**0.0000**	**1,258.1236**	**1,258.1236**	**0.3591**	**0.0000**	**1,263.5442**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**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**

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	0.1385	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3600e-003	1.3600e-003	0.0000		1.4500e-003
Energy	2.6100e-003	0.0237	0.0199	1.4000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003		28.4837	28.4837	5.5000e-004	5.2000e-004	28.6529
Mobile	0.0741	0.3689	1.0193	3.8500e-003	0.3213	2.9500e-003	0.3243	0.0860	2.7500e-003	0.0887		392.1754	392.1754	0.0180		392.6242
Total	**0.2153**	**0.3926**	**1.0399**	**3.9900e-003**	**0.3213**	**4.7500e-003**	**0.3261**	**0.0860**	**4.5500e-003**	**0.0905**		**420.6604**	**420.6604**	**0.0185**	**5.2000e-004**	**421.2786**

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	0.1385	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3600e-003	1.3600e-003	0.0000		1.4500e-003
Energy	2.6100e-003	0.0237	0.0199	1.4000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003		28.4837	28.4837	5.5000e-004	5.2000e-004	28.6529
Mobile	0.0741	0.3689	1.0193	3.8500e-003	0.3213	2.9500e-003	0.3243	0.0860	2.7500e-003	0.0887		392.1754	392.1754	0.0180		392.6242
Total	**0.2153**	**0.3926**	**1.0399**	**3.9900e-003**	**0.3213**	**4.7500e-003**	**0.3261**	**0.0860**	**4.5500e-003**	**0.0905**		**420.6604**	**420.6604**	**0.0185**	**5.2000e-004**	**421.2786**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**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	7/1/2021	7/14/2021	5	10	
2	Grading	Grading	7/15/2021	7/16/2021	5	2	
3	Building Construction	Building Construction	7/17/2021	12/3/2021	5	100	
4	Paving	Paving	12/4/2021	12/10/2021	5	5	
5	Architectural Coating	Architectural Coating	12/11/2021	12/17/2021	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 9,299; Non-Residential Outdoor: 3,100; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	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	130	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	4	10.00	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	5	2.00	1.00	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	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	**0.7965**	**7.2530**	**7.5691**	**0.0120**	**0.0000**	**0.4073**	**0.4073**	**0.0000**	**0.3886**	**0.3886**		**1,147.4338**	**1,147.4338**	**0.2138**		**1,152.7797**

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	0.0419	0.0273	0.3755	1.1100e-003	0.1118	8.3000e-004	0.1126	0.0296	7.6000e-004	0.0304		110.6898	110.6898	2.9800e-003		110.7644
Total	**0.0419**	**0.0273**	**0.3755**	**1.1100e-003**	**0.1118**	**8.3000e-004**	**0.1126**	**0.0296**	**7.6000e-004**	**0.0304**		**110.6898**	**110.6898**	**2.9800e-003**		**110.7644**

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	**0.7965**	**7.2530**	**7.5691**	**0.0120**	**0.0000**	**0.4073**	**0.4073**	**0.0000**	**0.3886**	**0.3886**	**0.0000**	**1,147.4338**	**1,147.4338**	**0.2138**		**1,152.7797**

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	0.0419	0.0273	0.3755	1.1100e-003	0.1118	8.3000e-004	0.1126	0.0296	7.6000e-004	0.0304		110.6898	110.6898	2.9800e-003		110.7644
Total	**0.0419**	**0.0273**	**0.3755**	**1.1100e-003**	**0.1118**	**8.3000e-004**	**0.1126**	**0.0296**	**7.6000e-004**	**0.0304**		**110.6898**	**110.6898**	**2.9800e-003**		**110.7644**

3.3 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					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000

Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	**0.7965**	**7.2530**	**7.5691**	**0.0120**	**0.7528**	**0.4073**	**1.1601**	**0.4138**	**0.3886**	**0.8024**		**1,147.4338**	**1,147.4338**	**0.2138**		**1,152.7797**

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	0.0419	0.0273	0.3755	1.1100e-003	0.1118	8.3000e-004	0.1126	0.0296	7.6000e-004	0.0304		110.6898	110.6898	2.9800e-003		110.7644
Total	**0.0419**	**0.0273**	**0.3755**	**1.1100e-003**	**0.1118**	**8.3000e-004**	**0.1126**	**0.0296**	**7.6000e-004**	**0.0304**		**110.6898**	**110.6898**	**2.9800e-003**		**110.7644**

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					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	**0.7965**	**7.2530**	**7.5691**	**0.0120**	**0.7528**	**0.4073**	**1.1601**	**0.4138**	**0.3886**	**0.8024**	**0.0000**	**1,147.4338**	**1,147.4338**	**0.2138**		**1,152.7797**

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	0.0419	0.0273	0.3755	1.1100e-003	0.1118	8.3000e-004	0.1126	0.0296	7.6000e-004	0.0304		110.6898	110.6898	2.9800e-003		110.7644
Total	**0.0419**	**0.0273**	**0.3755**	**1.1100e-003**	**0.1118**	**8.3000e-004**	**0.1126**	**0.0296**	**7.6000e-004**	**0.0304**		**110.6898**	**110.6898**	**2.9800e-003**		**110.7644**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358
Total	**0.7750**	**7.9850**	**7.2637**	**0.0114**		**0.4475**	**0.4475**		**0.4117**	**0.4117**		**1,103.2158**	**1,103.2158**	**0.3568**		**1,112.1358**

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	2.8100e-003	0.0958	0.0233	2.5000e-004	6.4000e-003	2.0000e-004	6.5900e-003	1.8400e-003	1.9000e-004	2.0300e-003		27.0744	27.0744	1.6700e-003		27.1162
Worker	8.3700e-003	5.4600e-003	0.0751	2.2000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.5000e-004	6.0800e-003		22.1380	22.1380	6.0000e-004		22.1529
Total	**0.0112**	**0.1012**	**0.0983**	**4.7000e-004**	**0.0288**	**3.7000e-004**	**0.0291**	**7.7700e-003**	**3.4000e-004**	**8.1100e-003**		**49.2123**	**49.2123**	**2.2700e-003**		**49.2691**

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	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
Total	**0.7750**	**7.9850**	**7.2637**	**0.0114**		**0.4475**	**0.4475**		**0.4117**	**0.4117**	**0.0000**	**1,103.2158**	**1,103.2158**	**0.3568**		**1,112.1358**

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	2.8100e-003	0.0958	0.0233	2.5000e-004	6.4000e-003	2.0000e-004	6.5900e-003	1.8400e-003	1.9000e-004	2.0300e-003		27.0744	27.0744	1.6700e-003		27.1162

Worker	8.3700e-003	5.4600e-003	0.0751	2.2000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.5000e-004	6.0800e-003		22.1380	22.1380	6.0000e-004		22.1529
Total	**0.0112**	**0.1012**	**0.0983**	**4.7000e-004**	**0.0288**	**3.7000e-004**	**0.0291**	**7.7700e-003**	**3.4000e-004**	**8.1100e-003**		**49.2123**	**49.2123**	**2.2700e-003**		**49.2691**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286		1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7214**	**6.7178**	**7.0899**	**0.0113**		**0.3534**	**0.3534**		**0.3286**	**0.3286**		**1,035.3425**	**1,035.3425**	**0.3016**		**1,042.8818**

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	0.0753	0.0491	0.6758	2.0000e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		199.2417	199.2417	5.3700e-003		199.3759
Total	**0.0753**	**0.0491**	**0.6758**	**2.0000e-003**	**0.2012**	**1.4900e-003**	**0.2027**	**0.0534**	**1.3700e-003**	**0.0547**		**199.2417**	**199.2417**	**5.3700e-003**		**199.3759**

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	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286	0.0000	1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7214**	**6.7178**	**7.0899**	**0.0113**		**0.3534**	**0.3534**		**0.3286**	**0.3286**	**0.0000**	**1,035.3425**	**1,035.3425**	**0.3016**		**1,042.8818**

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	0.0753	0.0491	0.6758	2.0000e-003	0.2012	1.4900e-003	0.2027	0.0534	1.3700e-003	0.0547		199.2417	199.2417	5.3700e-003		199.3759
Total	**0.0753**	**0.0491**	**0.6758**	**2.0000e-003**	**0.2012**	**1.4900e-003**	**0.2027**	**0.0534**	**1.3700e-003**	**0.0547**		**199.2417**	**199.2417**	**5.3700e-003**		**199.3759**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

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

Category	lb/day										lb/day					
Archit. Coating	11.4939					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	**11.7128**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.4939					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	**11.7128**	**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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0741	0.3689	1.0193	3.8500e-003	0.3213	2.9500e-003	0.3243	0.0860	2.7500e-003	0.0887		392.1754	392.1754	0.0180		392.6242
Unmitigated	0.0741	0.3689	1.0193	3.8500e-003	0.3213	2.9500e-003	0.3243	0.0860	2.7500e-003	0.0887		392.1754	392.1754	0.0180		392.6242

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	30.18	30.18	30.18	97,237	97,237
Manufacturing	12.18	12.18	12.18	53,950	53,950
Total	42.37	42.37	42.37	151,187	151,187

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-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
Manufacturing	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896
Manufacturing	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

NaturalGas Mitigated	2.6100e-003	0.0237	0.0199	1.4000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003		28.4837	28.4837	5.5000e-004	5.2000e-004	28.6529
NaturalGas Unmitigated	2.6100e-003	0.0237	0.0199	1.4000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003		28.4837	28.4837	5.5000e-004	5.2000e-004	28.6529

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	88.3852	9.5000e-004	8.6700e-003	7.2800e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.3983	10.3983	2.0000e-004	1.9000e-004	10.4601
Manufacturing	153.726	1.6600e-003	0.0151	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.0854	18.0854	3.5000e-004	3.3000e-004	18.1929
Total		**2.6100e-003**	**0.0237**	**0.0199**	**1.4000e-004**		**1.8100e-003**	**1.8100e-003**		**1.8100e-003**	**1.8100e-003**		**28.4837**	**28.4837**	**5.5000e-004**	**5.2000e-004**	**28.6529**

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	0.0883852	9.5000e-004	8.6700e-003	7.2800e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.3983	10.3983	2.0000e-004	1.9000e-004	10.4601
Manufacturing	0.153726	1.6600e-003	0.0151	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.0854	18.0854	3.5000e-004	3.3000e-004	18.1929
Total		**2.6100e-003**	**0.0237**	**0.0199**	**1.4000e-004**		**1.8100e-003**	**1.8100e-003**		**1.8100e-003**	**1.8100e-003**		**28.4837**	**28.4837**	**5.5000e-004**	**5.2000e-004**	**28.6529**

6.0 Area Detail

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	0.1385	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3600e-003	1.3600e-003	0.0000		1.4500e-003
Unmitigated	0.1385	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3600e-003	1.3600e-003	0.0000		1.4500e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0158					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1227					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		1.3600e-003	1.3600e-003	0.0000		1.4500e-003
Total	**0.1386**	**1.0000e-005**	**6.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.3600e-003**	**1.3600e-003**	**0.0000**		**1.4500e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0158					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1227					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		1.3600e-003	1.3600e-003	0.0000		1.4500e-003
Total	**0.1386**	**1.0000e-005**	**6.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.3600e-003**	**1.3600e-003**	**0.0000**		**1.4500e-003**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Existing Conditions

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	3.10	1000sqft	0.07	3,099.00	0
Manufacturing	3.10	1000sqft	0.07	3,100.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	9			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - consistent with traffic study

Construction Phase -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - traffic study Table 8-1

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblVehicleTrips	ST_TR	2.46	9.74
tblVehicleTrips	ST_TR	1.49	3.93
tblVehicleTrips	SU_TR	1.05	9.74
tblVehicleTrips	SU_TR	0.62	3.93
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	3.82	3.93

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	11.7128	8.0865	7.9090	0.0131	0.8645	0.4479	1.2727	0.4434	0.4121	0.8328	0.0000	1,251.2489	1,251.2489	0.3592	0.0000	1,256.6647
Maximum	**11.7128**	**8.0865**	**7.9090**	**0.0131**	**0.8645**	**0.4479**	**1.2727**	**0.4434**	**0.4121**	**0.8328**	**0.0000**	**1,251.2489**	**1,251.2489**	**0.3592**	**0.0000**	**1,256.6647**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	11.7128	8.0865	7.9090	0.0131	0.8645	0.4479	1.2727	0.4434	0.4121	0.8328	0.0000	1,251.2489	1,251.2489	0.3592	0.0000	1,256.6647
Maximum	**11.7128**	**8.0865**	**7.9090**	**0.0131**	**0.8645**	**0.4479**	**1.2727**	**0.4434**	**0.4121**	**0.8328**	**0.0000**	**1,251.2489**	**1,251.2489**	**0.3592**	**0.0000**	**1,256.6647**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**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**

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	0.1385	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3600e-003	1.3600e-003	0.0000		1.4500e-003
Energy	2.6100e-003	0.0237	0.0199	1.4000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003		28.4837	28.4837	5.5000e-004	5.2000e-004	28.6529
Mobile	0.0712	0.3773	0.9551	3.6600e-003	0.3213	2.9700e-003	0.3243	0.0860	2.7700e-003	0.0887		372.3143	372.3143	0.0179		372.7618
Total	**0.2123**	**0.4010**	**0.9757**	**3.8000e-003**	**0.3213**	**4.7700e-003**	**0.3261**	**0.0860**	**4.5700e-003**	**0.0905**		**400.7994**	**400.7994**	**0.0185**	**5.2000e-004**	**401.4161**

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	0.1385	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3600e-003	1.3600e-003	0.0000		1.4500e-003
Energy	2.6100e-003	0.0237	0.0199	1.4000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003		28.4837	28.4837	5.5000e-004	5.2000e-004	28.6529
Mobile	0.0712	0.3773	0.9551	3.6600e-003	0.3213	2.9700e-003	0.3243	0.0860	2.7700e-003	0.0887		372.3143	372.3143	0.0179		372.7618
Total	**0.2123**	**0.4010**	**0.9757**	**3.8000e-003**	**0.3213**	**4.7700e-003**	**0.3261**	**0.0860**	**4.5700e-003**	**0.0905**		**400.7994**	**400.7994**	**0.0185**	**5.2000e-004**	**401.4161**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**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	7/1/2021	7/14/2021	5	10	
2	Grading	Grading	7/15/2021	7/16/2021	5	2	
3	Building Construction	Building Construction	7/17/2021	12/3/2021	5	100	
4	Paving	Paving	12/4/2021	12/10/2021	5	5	
5	Architectural Coating	Architectural Coating	12/11/2021	12/17/2021	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 9,299; Non-Residential Outdoor: 3,100; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	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	130	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	4	10.00	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	5	2.00	1.00	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	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	**0.7965**	**7.2530**	**7.5691**	**0.0120**	**0.0000**	**0.4073**	**0.4073**	**0.0000**	**0.3886**	**0.3886**		**1,147.4338**	**1,147.4338**	**0.2138**		**1,152.7797**

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	0.0461	0.0300	0.3399	1.0400e-003	0.1118	8.3000e-004	0.1126	0.0296	7.6000e-004	0.0304		103.8151	103.8151	2.7900e-003		103.8849
Total	**0.0461**	**0.0300**	**0.3399**	**1.0400e-003**	**0.1118**	**8.3000e-004**	**0.1126**	**0.0296**	**7.6000e-004**	**0.0304**		**103.8151**	**103.8151**	**2.7900e-003**		**103.8849**

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	**0.7965**	**7.2530**	**7.5691**	**0.0120**	**0.0000**	**0.4073**	**0.4073**	**0.0000**	**0.3886**	**0.3886**	**0.0000**	**1,147.4338**	**1,147.4338**	**0.2138**		**1,152.7797**

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	0.0461	0.0300	0.3399	1.0400e-003	0.1118	8.3000e-004	0.1126	0.0296	7.6000e-004	0.0304		103.8151	103.8151	2.7900e-003		103.8849
Total	**0.0461**	**0.0300**	**0.3399**	**1.0400e-003**	**0.1118**	**8.3000e-004**	**0.1126**	**0.0296**	**7.6000e-004**	**0.0304**		**103.8151**	**103.8151**	**2.7900e-003**		**103.8849**

3.3 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					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797

Total	**0.7965**	**7.2530**	**7.5691**	**0.0120**	**0.7528**	**0.4073**	**1.1601**	**0.4138**	**0.3886**	**0.8024**		**1,147.4338**	**1,147.4338**	**0.2138**		**1,152.7797**

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	0.0461	0.0300	0.3399	1.0400e-003	0.1118	8.3000e-004	0.1126	0.0296	7.6000e-004	0.0304		103.8151	103.8151	2.7900e-003		103.8849
Total	**0.0461**	**0.0300**	**0.3399**	**1.0400e-003**	**0.1118**	**8.3000e-004**	**0.1126**	**0.0296**	**7.6000e-004**	**0.0304**		**103.8151**	**103.8151**	**2.7900e-003**		**103.8849**

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					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	**0.7965**	**7.2530**	**7.5691**	**0.0120**	**0.7528**	**0.4073**	**1.1601**	**0.4138**	**0.3886**	**0.8024**	**0.0000**	**1,147.4338**	**1,147.4338**	**0.2138**		**1,152.7797**

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	0.0461	0.0300	0.3399	1.0400e-003	0.1118	8.3000e-004	0.1126	0.0296	7.6000e-004	0.0304		103.8151	103.8151	2.7900e-003		103.8849
Total	**0.0461**	**0.0300**	**0.3399**	**1.0400e-003**	**0.1118**	**8.3000e-004**	**0.1126**	**0.0296**	**7.6000e-004**	**0.0304**		**103.8151**	**103.8151**	**2.7900e-003**		**103.8849**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358
Total	**0.7750**	**7.9850**	**7.2637**	**0.0114**		**0.4475**	**0.4475**		**0.4117**	**0.4117**		**1,103.2158**	**1,103.2158**	**0.3568**		**1,112.1358**

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	2.9600e-003	0.0955	0.0259	2.5000e-004	6.4000e-003	2.0000e-004	6.6000e-003	1.8400e-003	1.9000e-004	2.0300e-003		26.3374	26.3374	1.7900e-003		26.3821
Worker	9.2200e-003	6.0000e-003	0.0680	2.1000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.5000e-004	6.0800e-003		20.7630	20.7630	5.6000e-004		20.7770
Total	**0.0122**	**0.1015**	**0.0938**	**4.6000e-004**	**0.0288**	**3.7000e-004**	**0.0291**	**7.7700e-003**	**3.4000e-004**	**8.1100e-003**		**47.1004**	**47.1004**	**2.3500e-003**		**47.1591**

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	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
Total	**0.7750**	**7.9850**	**7.2637**	**0.0114**		**0.4475**	**0.4475**		**0.4117**	**0.4117**	**0.0000**	**1,103.2158**	**1,103.2158**	**0.3568**		**1,112.1358**

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	2.9600e-003	0.0955	0.0259	2.5000e-004	6.4000e-003	2.0000e-004	6.6000e-003	1.8400e-003	1.9000e-004	2.0300e-003		26.3374	26.3374	1.7900e-003		26.3821
Worker	9.2200e-003	6.0000e-003	0.0680	2.1000e-004	0.0224	1.7000e-004	0.0225	5.9300e-003	1.5000e-004	6.0800e-003		20.7630	20.7630	5.6000e-004		20.7770
Total	**0.0122**	**0.1015**	**0.0938**	**4.6000e-004**	**0.0288**	**3.7000e-004**	**0.0291**	**7.7700e-003**	**3.4000e-004**	**8.1100e-003**		**47.1004**	**47.1004**	**2.3500e-003**		**47.1591**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286		1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7214**	**6.7178**	**7.0899**	**0.0113**		**0.3534**	**0.3534**		**0.3286**	**0.3286**		**1,035.3425**	**1,035.3425**	**0.3016**		**1,042.8818**

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	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286	0.0000	1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7214**	**6.7178**	**7.0899**	**0.0113**		**0.3534**	**0.3534**		**0.3286**	**0.3286**	**0.0000**	**1,035.3425**	**1,035.3425**	**0.3016**		**1,042.8818**

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**

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.4939					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	**11.7128**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.4939					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	**11.7128**	**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**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0712	0.3773	0.9551	3.6600e-003	0.3213	2.9700e-003	0.3243	0.0860	2.7700e-003	0.0887		372.3143	372.3143	0.0179		372.7618
Unmitigated	0.0712	0.3773	0.9551	3.6600e-003	0.3213	2.9700e-003	0.3243	0.0860	2.7700e-003	0.0887		372.3143	372.3143	0.0179		372.7618

4.2 Trip Summary Information

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

General Office Building	30.18	30.18	30.18	97,237	97,237
Manufacturing	12.18	12.18	12.18	53,950	53,950
Total	42.37	42.37	42.37	151,187	151,187

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-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
Manufacturing	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896
Manufacturing	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.6100e-003	0.0237	0.0199	1.4000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003		28.4837	28.4837	5.5000e-004	5.2000e-004	28.6529
NaturalGas Unmitigated	2.6100e-003	0.0237	0.0199	1.4000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003		28.4837	28.4837	5.5000e-004	5.2000e-004	28.6529

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	88.3852	9.5000e-004	8.6700e-003	7.2800e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.3983	10.3983	2.0000e-004	1.9000e-004	10.4601
Manufacturing	153.726	1.6600e-003	0.0151	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.0854	18.0854	3.5000e-004	3.3000e-004	18.1929
Total		**2.6100e-003**	**0.0237**	**0.0199**	**1.4000e-004**		**1.8100e-003**	**1.8100e-003**		**1.8100e-003**	**1.8100e-003**		**28.4837**	**28.4837**	**5.5000e-004**	**5.2000e-004**	**28.6529**

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	0.0883852	9.5000e-004	8.6700e-003	7.2800e-003	5.0000e-005		6.6000e-004	6.6000e-004		6.6000e-004	6.6000e-004		10.3983	10.3983	2.0000e-004	1.9000e-004	10.4601
Manufacturing	0.153726	1.6600e-003	0.0151	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.0854	18.0854	3.5000e-004	3.3000e-004	18.1929
Total		**2.6100e-003**	**0.0237**	**0.0199**	**1.4000e-004**		**1.8100e-003**	**1.8100e-003**		**1.8100e-003**	**1.8100e-003**		**28.4837**	**28.4837**	**5.5000e-004**	**5.2000e-004**	**28.6529**

6.0 Area Detail

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	0.1385	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3600e-003	1.3600e-003	0.0000		1.4500e-003
Unmitigated	0.1385	1.0000e-005	6.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3600e-003	1.3600e-003	0.0000		1.4500e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0158					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1227					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		1.3600e-003	1.3600e-003	0.0000		1.4500e-003
Total	**0.1386**	**1.0000e-005**	**6.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.3600e-003**	**1.3600e-003**	**0.0000**		**1.4500e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0158					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1227					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		1.3600e-003	1.3600e-003	0.0000		1.4500e-003
Total	**0.1386**	**1.0000e-005**	**6.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**1.3600e-003**	**1.3600e-003**	**0.0000**		**1.4500e-003**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

414 South San Gabriel Boulevard

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	9.13	1000sqft	0.21	9,126.00	0
Unrefrigerated Warehouse-No Rail	190.23	1000sqft	1.08	190,232.00	0
Parking Lot	50.00	Space	0.45	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	9			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	513	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2018 Emission Factor

Land Use - site is 1.74 acres

Construction Phase - construction schedule provided by project applicant

Off-road Equipment -

Off-road Equipment - construction equipment list provided by project applicant

Off-road Equipment - construction equipment list provided by project applicant

Off-road Equipment - construction equipment list provided by project applicant

Off-road Equipment - construction equipment list provided by project applicant

Trips and VMT - Per project applicant, 50 hauling trips/day * 22 days of demolition = 1,100 total hauling trips

Demolition -

Grading -

Architectural Coating - SCAQMD Rule 1113 - low VOC painting

Vehicle Trips - traffic study Table 8-1

Vehicle Emission Factors - EMFAC2017 South Coast Air Basin 2022

Vehicle Emission Factors - EMFAC2017 South Coast Air Basin 2022

Vehicle Emission Factors - EMFAC2017 South Coast Air Basin 2022

Area Coating - SCAQMD Rule 1113 - low VOC painting

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Energy Mitigation -

Water Mitigation - 2019 CalGreen

Waste Mitigation - AB 341

Energy Use - The project would have any natural gas usage.

Area Mitigation - SCAQMD Rule 445

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	1,200.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	200.00	321.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	4.00	44.00
tblConstructionPhase	NumDays	10.00	11.00
tblEnergyUse	NT24NG	0.39	0.00

tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24NG	10.02	0.00
tblEnergyUse	T24NG	0.84	0.00
tblGrading	AcresOfGrading	121.00	123.75
tblGrading	MaterialExported	0.00	15,300.00
tblLandUse	LandUseSquareFeet	9,130.00	9,126.00
tblLandUse	LandUseSquareFeet	190,230.00	190,232.00
tblLandUse	LotAcreage	4.37	1.08
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripNumber	53.00	1,100.00
tblTripsAndVMT	WorkerTripNumber	20.00	18.00
tblVehicleEF	HHD	0.67	0.03
tblVehicleEF	HHD	0.10	0.09
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	2.43	6.09
tblVehicleEF	HHD	1.04	0.57
tblVehicleEF	HHD	3.01	7.9670e-003
tblVehicleEF	HHD	4,575.00	1,143.93
tblVehicleEF	HHD	1,616.40	1,458.82

tblVehicleEF	HHD	9.63	0.07
tblVehicleEF	HHD	19.99	6.15
tblVehicleEF	HHD	3.61	3.41
tblVehicleEF	HHD	19.66	2.11
tblVehicleEF	HHD	0.01	3.7250e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.5640e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8000e-003	8.8590e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	7.5000e-005	1.0000e-006
tblVehicleEF	HHD	1.0100e-004	6.0000e-006
tblVehicleEF	HHD	4.2560e-003	2.2300e-004
tblVehicleEF	HHD	0.60	0.44
tblVehicleEF	HHD	7.3000e-005	4.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	3.5800e-004	1.1680e-003
tblVehicleEF	HHD	0.07	2.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
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tblVehicleEF	HHD	0.24	0.17
tblVehicleEF	HHD	3.5800e-004	1.1680e-003

tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.63	0.03
tblVehicleEF	HHD	0.10	0.09
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	1.76	5.95
tblVehicleEF	HHD	1.05	0.57
tblVehicleEF	HHD	2.86	7.5630e-003
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tblVehicleEF	HHD	1,616.40	1,458.82
tblVehicleEF	HHD	9.63	0.07
tblVehicleEF	HHD	20.63	5.97
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tblVehicleEF	HHD	19.65	2.11
tblVehicleEF	HHD	0.01	3.2600e-003
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.1190e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8000e-003	8.8590e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	7.5000e-005	1.0000e-006
tblVehicleEF	HHD	1.5900e-004	1.0000e-005
tblVehicleEF	HHD	4.4210e-003	2.3200e-004
tblVehicleEF	HHD	0.57	0.46
tblVehicleEF	HHD	1.1200e-004	7.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	3.5000e-004	1.1580e-003
tblVehicleEF	HHD	0.07	2.0000e-006

tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.4300e-004	1.0000e-006
tblVehicleEF	HHD	1.5900e-004	1.0000e-005
tblVehicleEF	HHD	4.4210e-003	2.3200e-004
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tblVehicleEF	HHD	1.1200e-004	7.0000e-006
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tblVehicleEF	HHD	0.08	3.0000e-006
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tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	3.34	6.27
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tblVehicleEF	HHD	3.03	8.0190e-003
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tblVehicleEF	HHD	1,616.40	1,458.82
tblVehicleEF	HHD	9.63	0.07
tblVehicleEF	HHD	19.10	6.40
tblVehicleEF	HHD	3.55	3.35
tblVehicleEF	HHD	19.66	2.11
tblVehicleEF	HHD	0.02	4.3670e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	4.1780e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8000e-003	8.8590e-003

tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	7.5000e-005	1.0000e-006
tblVehicleEF	HHD	9.9000e-005	6.0000e-006
tblVehicleEF	HHD	4.5600e-003	2.5300e-004
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tblVehicleEF	HHD	7.2000e-005	4.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	3.8800e-004	1.2390e-003
tblVehicleEF	HHD	0.07	2.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.4600e-004	1.0000e-006
tblVehicleEF	HHD	9.9000e-005	6.0000e-006
tblVehicleEF	HHD	4.5600e-003	2.5300e-004
tblVehicleEF	HHD	0.76	0.48
tblVehicleEF	HHD	7.2000e-005	4.0000e-006
tblVehicleEF	HHD	0.24	0.17
tblVehicleEF	HHD	3.8800e-004	1.2390e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	LDA	4.7320e-003	2.7500e-003
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tblVehicleEF	LDA	1.10	2.09
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tblVehicleEF	LDA	56.84	53.17
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tblVehicleEF	LDA	0.07	0.18
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tblVehicleEF	LDA	2.2630e-003	1.8410e-003
tblVehicleEF	LDA	1.8470e-003	1.5560e-003

tblVehicleEF	LDA	2.0810e-003	1.6930e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.6490e-003	2.6310e-003
tblVehicleEF	LDA	5.8700e-004	5.2600e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	5.0590e-003	2.9610e-003
tblVehicleEF	LDA	4.5320e-003	0.04
tblVehicleEF	LDA	0.68	0.76
tblVehicleEF	LDA	0.94	1.78
tblVehicleEF	LDA	278.28	279.38
tblVehicleEF	LDA	56.84	52.61
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.0040e-003	1.6890e-003
tblVehicleEF	LDA	2.2630e-003	1.8410e-003
tblVehicleEF	LDA	1.8470e-003	1.5560e-003
tblVehicleEF	LDA	2.0810e-003	1.6930e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.07

tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7880e-003	2.7640e-003
tblVehicleEF	LDA	5.8400e-004	5.2100e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.6390e-003	2.6930e-003
tblVehicleEF	LDA	5.2220e-003	0.05
tblVehicleEF	LDA	0.59	0.66
tblVehicleEF	LDA	1.13	2.15
tblVehicleEF	LDA	260.28	261.84
tblVehicleEF	LDA	56.84	53.28
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.0040e-003	1.6890e-003
tblVehicleEF	LDA	2.2630e-003	1.8410e-003
tblVehicleEF	LDA	1.8470e-003	1.5560e-003
tblVehicleEF	LDA	2.0810e-003	1.6930e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.6070e-003	2.5900e-003

tblVehicleEF	LDA	5.8700e-004	5.2700e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.1700e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.50	1.39
tblVehicleEF	LDT1	2.78	2.28
tblVehicleEF	LDT1	329.98	314.09
tblVehicleEF	LDT1	69.73	63.56
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.1530e-003	2.5180e-003
tblVehicleEF	LDT1	3.4030e-003	2.6250e-003
tblVehicleEF	LDT1	2.9030e-003	2.3170e-003
tblVehicleEF	LDT1	3.1300e-003	2.4130e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.27	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.19	0.36
tblVehicleEF	LDT1	3.3190e-003	3.1080e-003
tblVehicleEF	LDT1	7.4600e-004	6.2900e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.27	0.20
tblVehicleEF	LDT1	0.11	0.11

tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.01	7.6520e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.65	1.53
tblVehicleEF	LDT1	2.36	1.94
tblVehicleEF	LDT1	345.91	327.53
tblVehicleEF	LDT1	69.73	62.89
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.1530e-003	2.5180e-003
tblVehicleEF	LDT1	3.4030e-003	2.6250e-003
tblVehicleEF	LDT1	2.9030e-003	2.3170e-003
tblVehicleEF	LDT1	3.1300e-003	2.4130e-003
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.29	0.22
tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.17	0.32
tblVehicleEF	LDT1	3.4800e-003	3.2410e-003
tblVehicleEF	LDT1	7.3900e-004	6.2200e-004
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.29	0.22
tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.18	0.35
tblVehicleEF	LDT1	0.01	7.0380e-003

tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.46	1.34
tblVehicleEF	LDT1	2.85	2.34
tblVehicleEF	LDT1	324.92	309.80
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tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.1530e-003	2.5180e-003
tblVehicleEF	LDT1	3.4030e-003	2.6250e-003
tblVehicleEF	LDT1	2.9030e-003	2.3170e-003
tblVehicleEF	LDT1	3.1300e-003	2.4130e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.31	0.23
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.20	0.37
tblVehicleEF	LDT1	3.2670e-003	3.0660e-003
tblVehicleEF	LDT1	7.4700e-004	6.3000e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.31	0.23
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	6.5030e-003	4.5360e-003
tblVehicleEF	LDT2	6.3830e-003	0.07
tblVehicleEF	LDT2	0.79	0.97
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	369.75	336.48

tblVehicleEF	LDT2	78.41	68.59
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	1.9980e-003	1.7730e-003
tblVehicleEF	LDT2	2.3340e-003	1.8630e-003
tblVehicleEF	LDT2	1.8370e-003	1.6320e-003
tblVehicleEF	LDT2	2.1460e-003	1.7130e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.7040e-003	3.3290e-003
tblVehicleEF	LDT2	8.0700e-004	6.7900e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	6.9410e-003	4.8630e-003
tblVehicleEF	LDT2	5.6550e-003	0.06
tblVehicleEF	LDT2	0.88	1.07
tblVehicleEF	LDT2	1.16	2.26
tblVehicleEF	LDT2	388.22	349.62
tblVehicleEF	LDT2	78.41	67.85
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	1.9980e-003	1.7730e-003

tblVehicleEF	LDT2	2.3340e-003	1.8630e-003
tblVehicleEF	LDT2	1.8370e-003	1.6320e-003
tblVehicleEF	LDT2	2.1460e-003	1.7130e-003
tblVehicleEF	LDT2	0.07	0.12
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.8890e-003	3.4590e-003
tblVehicleEF	LDT2	8.0300e-004	6.7100e-004
tblVehicleEF	LDT2	0.07	0.12
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LDT2	6.3770e-003	4.4460e-003
tblVehicleEF	LDT2	6.5100e-003	0.07
tblVehicleEF	LDT2	0.77	0.94
tblVehicleEF	LDT2	1.39	2.72
tblVehicleEF	LDT2	363.95	332.31
tblVehicleEF	LDT2	78.41	68.72
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	1.9980e-003	1.7730e-003
tblVehicleEF	LDT2	2.3340e-003	1.8630e-003
tblVehicleEF	LDT2	1.8370e-003	1.6320e-003
tblVehicleEF	LDT2	2.1460e-003	1.7130e-003
tblVehicleEF	LDT2	0.05	0.07

tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.6450e-003	3.2880e-003
tblVehicleEF	LDT2	8.0700e-004	6.8000e-004
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.4900e-003	5.4590e-003
tblVehicleEF	LHD1	0.01	5.3890e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.82	0.63
tblVehicleEF	LHD1	2.61	1.08
tblVehicleEF	LHD1	9.01	9.00
tblVehicleEF	LHD1	602.57	659.71
tblVehicleEF	LHD1	32.53	12.03
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.18	0.79
tblVehicleEF	LHD1	1.00	0.33
tblVehicleEF	LHD1	8.5900e-004	7.9700e-004
tblVehicleEF	LHD1	0.01	9.7310e-003
tblVehicleEF	LHD1	0.01	7.1580e-003
tblVehicleEF	LHD1	9.5300e-004	2.6700e-004
tblVehicleEF	LHD1	8.2200e-004	7.6200e-004

tblVehicleEF	LHD1	2.5220e-003	2.4330e-003
tblVehicleEF	LHD1	9.6600e-003	6.8210e-003
tblVehicleEF	LHD1	8.7600e-004	2.4500e-004
tblVehicleEF	LHD1	3.1050e-003	2.5050e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8470e-003	1.4950e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.52
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	5.9150e-003	6.4390e-003
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tblVehicleEF	LHD1	3.1050e-003	2.5050e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8470e-003	1.4950e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.52
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.4900e-003	5.4710e-003
tblVehicleEF	LHD1	0.01	5.4940e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.49	1.04
tblVehicleEF	LHD1	9.01	9.00
tblVehicleEF	LHD1	602.57	659.73
tblVehicleEF	LHD1	32.53	11.94
tblVehicleEF	LHD1	0.07	0.06

tblVehicleEF	LHD1	1.11	0.74
tblVehicleEF	LHD1	0.95	0.31
tblVehicleEF	LHD1	8.5900e-004	7.9700e-004
tblVehicleEF	LHD1	0.01	9.7310e-003
tblVehicleEF	LHD1	0.01	7.1580e-003
tblVehicleEF	LHD1	9.5300e-004	2.6700e-004
tblVehicleEF	LHD1	8.2200e-004	7.6200e-004
tblVehicleEF	LHD1	2.5220e-003	2.4330e-003
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tblVehicleEF	LHD1	4.7620e-003	3.8280e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.7490e-003	2.2150e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.30	0.51
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	5.9150e-003	6.4390e-003
tblVehicleEF	LHD1	3.7200e-004	1.1800e-004
tblVehicleEF	LHD1	4.7620e-003	3.8280e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.7490e-003	2.2150e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.51
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	5.4900e-003	5.4570e-003
tblVehicleEF	LHD1	0.01	5.3670e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.82	0.63
tblVehicleEF	LHD1	2.62	1.09
tblVehicleEF	LHD1	9.01	9.00
tblVehicleEF	LHD1	602.57	659.70
tblVehicleEF	LHD1	32.53	12.04
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.16	0.77
tblVehicleEF	LHD1	1.00	0.33
tblVehicleEF	LHD1	8.5900e-004	7.9700e-004
tblVehicleEF	LHD1	0.01	9.7310e-003
tblVehicleEF	LHD1	0.01	7.1580e-003
tblVehicleEF	LHD1	9.5300e-004	2.6700e-004
tblVehicleEF	LHD1	8.2200e-004	7.6200e-004
tblVehicleEF	LHD1	2.5220e-003	2.4330e-003
tblVehicleEF	LHD1	9.6600e-003	6.8210e-003
tblVehicleEF	LHD1	8.7600e-004	2.4500e-004
tblVehicleEF	LHD1	3.2410e-003	2.6270e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8470e-003	1.4960e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.56
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	5.9150e-003	6.4390e-003
tblVehicleEF	LHD1	3.7400e-004	1.1900e-004
tblVehicleEF	LHD1	3.2410e-003	2.6270e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03

tblVehicleEF	LHD1	1.8470e-003	1.4960e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD2	3.9190e-003	3.8250e-003
tblVehicleEF	LHD2	4.1770e-003	3.7880e-003
tblVehicleEF	LHD2	8.3290e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.36	0.43
tblVehicleEF	LHD2	1.31	0.72
tblVehicleEF	LHD2	13.72	13.69
tblVehicleEF	LHD2	614.85	663.08
tblVehicleEF	LHD2	27.18	9.22
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.79	0.95
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1860e-003	1.2750e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.4880e-003	0.01
tblVehicleEF	LHD2	4.4600e-004	1.4900e-004
tblVehicleEF	LHD2	1.1350e-003	1.2200e-003
tblVehicleEF	LHD2	2.6600e-003	2.6420e-003
tblVehicleEF	LHD2	9.0640e-003	0.01
tblVehicleEF	LHD2	4.1000e-004	1.3700e-004
tblVehicleEF	LHD2	1.1420e-003	1.5000e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3400e-004	9.1700e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.32

tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3100e-004
tblVehicleEF	LHD2	5.9900e-003	6.4150e-003
tblVehicleEF	LHD2	2.9600e-004	9.1000e-005
tblVehicleEF	LHD2	1.1420e-003	1.5000e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3400e-004	9.1700e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.9190e-003	3.8330e-003
tblVehicleEF	LHD2	4.2300e-003	3.8280e-003
tblVehicleEF	LHD2	8.0420e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.36	0.44
tblVehicleEF	LHD2	1.25	0.69
tblVehicleEF	LHD2	13.72	13.69
tblVehicleEF	LHD2	614.85	663.09
tblVehicleEF	LHD2	27.18	9.16
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.75	0.89
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1860e-003	1.2750e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.4880e-003	0.01
tblVehicleEF	LHD2	4.4600e-004	1.4900e-004
tblVehicleEF	LHD2	1.1350e-003	1.2200e-003
tblVehicleEF	LHD2	2.6600e-003	2.6420e-003
tblVehicleEF	LHD2	9.0640e-003	0.01

tblVehicleEF	LHD2	4.1000e-004	1.3700e-004
tblVehicleEF	LHD2	1.7400e-003	2.2800e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0770e-003	1.3480e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.31
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3100e-004
tblVehicleEF	LHD2	5.9900e-003	6.4150e-003
tblVehicleEF	LHD2	2.9400e-004	9.1000e-005
tblVehicleEF	LHD2	1.7400e-003	2.2800e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0770e-003	1.3480e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.31
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.9190e-003	3.8240e-003
tblVehicleEF	LHD2	4.1650e-003	3.7790e-003
tblVehicleEF	LHD2	8.3690e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.36	0.43
tblVehicleEF	LHD2	1.31	0.72
tblVehicleEF	LHD2	13.72	13.69
tblVehicleEF	LHD2	614.85	663.08
tblVehicleEF	LHD2	27.18	9.23
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.78	0.93
tblVehicleEF	LHD2	0.55	0.23

tblVehicleEF	LHD2	1.1860e-003	1.2750e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.4880e-003	0.01
tblVehicleEF	LHD2	4.4600e-004	1.4900e-004
tblVehicleEF	LHD2	1.1350e-003	1.2200e-003
tblVehicleEF	LHD2	2.6600e-003	2.6420e-003
tblVehicleEF	LHD2	9.0640e-003	0.01
tblVehicleEF	LHD2	4.1000e-004	1.3700e-004
tblVehicleEF	LHD2	1.1570e-003	1.5440e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2200e-004	9.0300e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.09	0.35
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3100e-004
tblVehicleEF	LHD2	5.9900e-003	6.4150e-003
tblVehicleEF	LHD2	2.9600e-004	9.1000e-005
tblVehicleEF	LHD2	1.1570e-003	1.5440e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2200e-004	9.0300e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.35
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.51	0.37
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.80	19.01
tblVehicleEF	MCY	9.65	8.52
tblVehicleEF	MCY	183.48	219.38

tblVehicleEF	MCY	44.84	59.81
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2940e-003	2.2850e-003
tblVehicleEF	MCY	3.7680e-003	3.2030e-003
tblVehicleEF	MCY	2.1440e-003	2.1360e-003
tblVehicleEF	MCY	3.5480e-003	3.0150e-003
tblVehicleEF	MCY	1.14	1.16
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.68	0.69
tblVehicleEF	MCY	2.48	2.50
tblVehicleEF	MCY	0.62	1.96
tblVehicleEF	MCY	2.05	1.82
tblVehicleEF	MCY	2.2170e-003	2.1710e-003
tblVehicleEF	MCY	6.6700e-004	5.9200e-004
tblVehicleEF	MCY	1.14	1.16
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.68	0.69
tblVehicleEF	MCY	3.09	3.10
tblVehicleEF	MCY	0.62	1.96
tblVehicleEF	MCY	2.23	1.98
tblVehicleEF	MCY	0.50	0.36
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.21	18.41
tblVehicleEF	MCY	8.85	7.78
tblVehicleEF	MCY	183.48	218.21
tblVehicleEF	MCY	44.84	57.95
tblVehicleEF	MCY	0.98	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2940e-003	2.2850e-003

tblVehicleEF	MCY	3.7680e-003	3.2030e-003
tblVehicleEF	MCY	2.1440e-003	2.1360e-003
tblVehicleEF	MCY	3.5480e-003	3.0150e-003
tblVehicleEF	MCY	1.89	1.91
tblVehicleEF	MCY	0.77	0.79
tblVehicleEF	MCY	1.19	1.20
tblVehicleEF	MCY	2.43	2.44
tblVehicleEF	MCY	0.59	1.86
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2060e-003	2.1590e-003
tblVehicleEF	MCY	6.4700e-004	5.7300e-004
tblVehicleEF	MCY	1.89	1.91
tblVehicleEF	MCY	0.77	0.79
tblVehicleEF	MCY	1.19	1.20
tblVehicleEF	MCY	3.02	3.03
tblVehicleEF	MCY	0.59	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.51	0.37
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.82	19.04
tblVehicleEF	MCY	9.73	8.60
tblVehicleEF	MCY	183.48	219.44
tblVehicleEF	MCY	44.84	60.03
tblVehicleEF	MCY	1.10	1.10
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.2940e-003	2.2850e-003
tblVehicleEF	MCY	3.7680e-003	3.2030e-003
tblVehicleEF	MCY	2.1440e-003	2.1360e-003
tblVehicleEF	MCY	3.5480e-003	3.0150e-003
tblVehicleEF	MCY	1.26	1.27

tblVehicleEF	MCY	0.87	0.89
tblVehicleEF	MCY	0.67	0.68
tblVehicleEF	MCY	2.49	2.51
tblVehicleEF	MCY	0.71	2.26
tblVehicleEF	MCY	2.08	1.85
tblVehicleEF	MCY	2.2180e-003	2.1720e-003
tblVehicleEF	MCY	6.6900e-004	5.9400e-004
tblVehicleEF	MCY	1.26	1.27
tblVehicleEF	MCY	0.87	0.89
tblVehicleEF	MCY	0.67	0.68
tblVehicleEF	MCY	3.10	3.11
tblVehicleEF	MCY	0.71	2.26
tblVehicleEF	MCY	2.27	2.01
tblVehicleEF	MDV	0.01	5.8890e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.28	1.14
tblVehicleEF	MDV	2.55	3.09
tblVehicleEF	MDV	499.94	414.37
tblVehicleEF	MDV	104.42	83.83
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.23	0.35
tblVehicleEF	MDV	2.1490e-003	1.9060e-003
tblVehicleEF	MDV	2.4500e-003	2.0100e-003
tblVehicleEF	MDV	1.9810e-003	1.7570e-003
tblVehicleEF	MDV	2.2530e-003	1.8480e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.44

tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.0080e-003	4.0970e-003
tblVehicleEF	MDV	1.0890e-003	8.3000e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.3090e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.42	1.26
tblVehicleEF	MDV	2.17	2.62
tblVehicleEF	MDV	524.64	428.52
tblVehicleEF	MDV	104.42	82.94
tblVehicleEF	MDV	0.12	0.09
tblVehicleEF	MDV	0.21	0.32
tblVehicleEF	MDV	2.1490e-003	1.9060e-003
tblVehicleEF	MDV	2.4500e-003	2.0100e-003
tblVehicleEF	MDV	1.9810e-003	1.7570e-003
tblVehicleEF	MDV	2.2530e-003	1.8480e-003
tblVehicleEF	MDV	0.12	0.14
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.11	0.13
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.41
tblVehicleEF	MDV	0.17	0.35
tblVehicleEF	MDV	5.2560e-003	4.2370e-003
tblVehicleEF	MDV	1.0820e-003	8.2100e-004
tblVehicleEF	MDV	0.12	0.14

tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.11	0.13
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.41
tblVehicleEF	MDV	0.19	0.39
tblVehicleEF	MDV	0.01	5.7730e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.24	1.10
tblVehicleEF	MDV	2.61	3.17
tblVehicleEF	MDV	492.31	410.00
tblVehicleEF	MDV	104.42	83.98
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	0.23	0.35
tblVehicleEF	MDV	2.1490e-003	1.9060e-003
tblVehicleEF	MDV	2.4500e-003	2.0100e-003
tblVehicleEF	MDV	1.9810e-003	1.7570e-003
tblVehicleEF	MDV	2.2530e-003	1.8480e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.20	0.41
tblVehicleEF	MDV	4.9310e-003	4.0530e-003
tblVehicleEF	MDV	1.0900e-003	8.3100e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.50

tblVehicleEF	MDV	0.22	0.45
tblVehicleEF	MH	0.03	9.7260e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.16	1.16
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tblVehicleEF	MH	1,106.35	1,481.03
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tblVehicleEF	MH	0.79	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.0820e-003	2.6300e-004
tblVehicleEF	MH	3.2160e-003	3.2660e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.9500e-004	2.4200e-004
tblVehicleEF	MH	1.02	0.88
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	1.38
tblVehicleEF	MH	0.32	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9100e-004	1.8700e-004
tblVehicleEF	MH	1.02	0.88
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.38
tblVehicleEF	MH	0.35	0.10
tblVehicleEF	MH	0.03	9.9510e-003

tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.23	1.19
tblVehicleEF	MH	5.28	1.96
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tblVehicleEF	MH	1.12	1.16
tblVehicleEF	MH	0.76	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
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tblVehicleEF	MH	3.2160e-003	3.2660e-003
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tblVehicleEF	MH	9.9500e-004	2.4200e-004
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tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.64	0.55
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.36
tblVehicleEF	MH	0.31	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.8500e-004	1.8500e-004
tblVehicleEF	MH	1.55	1.33
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.64	0.55
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.36
tblVehicleEF	MH	0.34	0.10
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tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.15	1.15

tblVehicleEF	MH	5.66	2.09
tblVehicleEF	MH	1,106.35	1,481.02
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tblVehicleEF	MH	0.02	0.03
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tblVehicleEF	MH	3.2160e-003	3.2660e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.9500e-004	2.4200e-004
tblVehicleEF	MH	1.15	0.98
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.44	0.37
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.32	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9200e-004	1.8700e-004
tblVehicleEF	MH	1.15	0.98
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.44	0.37
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.35	0.10
tblVehicleEF	MHD	0.02	4.1880e-003
tblVehicleEF	MHD	4.1360e-003	4.0170e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.36	0.38
tblVehicleEF	MHD	0.32	0.41

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tblVehicleEF	MHD	141.15	64.66
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tblVehicleEF	MHD	0.52	0.45
tblVehicleEF	MHD	1.10	1.57
tblVehicleEF	MHD	10.60	1.31
tblVehicleEF	MHD	2.4600e-004	1.0680e-003
tblVehicleEF	MHD	5.0820e-003	0.03
tblVehicleEF	MHD	7.9200e-004	1.2100e-004
tblVehicleEF	MHD	2.3500e-004	1.0210e-003
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tblVehicleEF	MHD	7.2800e-004	1.1100e-004
tblVehicleEF	MHD	1.1040e-003	5.7600e-004
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tblVehicleEF	MHD	7.0500e-004	3.6800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.12
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tblVehicleEF	MHD	1.3590e-003	6.1400e-004
tblVehicleEF	MHD	0.01	9.9730e-003
tblVehicleEF	MHD	6.9900e-004	1.1100e-004
tblVehicleEF	MHD	1.1040e-003	5.7600e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.0500e-004	3.6800e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.38	0.06

tblVehicleEF	MHD	0.02	3.9710e-003
tblVehicleEF	MHD	4.1930e-003	4.0580e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.26	0.31
tblVehicleEF	MHD	0.33	0.41
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tblVehicleEF	MHD	149.51	65.42
tblVehicleEF	MHD	1,137.96	1,044.13
tblVehicleEF	MHD	59.88	11.14
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tblVehicleEF	MHD	1.04	1.48
tblVehicleEF	MHD	10.56	1.31
tblVehicleEF	MHD	2.0700e-004	9.0200e-004
tblVehicleEF	MHD	5.0820e-003	0.03
tblVehicleEF	MHD	7.9200e-004	1.2100e-004
tblVehicleEF	MHD	1.9800e-004	8.6300e-004
tblVehicleEF	MHD	4.8580e-003	0.03
tblVehicleEF	MHD	7.2800e-004	1.1100e-004
tblVehicleEF	MHD	1.6790e-003	8.7500e-004
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0380e-003	5.4100e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.34	0.06
tblVehicleEF	MHD	1.4370e-003	6.2200e-004
tblVehicleEF	MHD	0.01	9.9730e-003
tblVehicleEF	MHD	6.9400e-004	1.1000e-004
tblVehicleEF	MHD	1.6790e-003	8.7500e-004
tblVehicleEF	MHD	0.05	0.02

tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0380e-003	5.4100e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.37	0.06
tblVehicleEF	MHD	0.02	4.5010e-003
tblVehicleEF	MHD	4.1220e-003	4.0060e-003
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tblVehicleEF	MHD	0.32	0.41
tblVehicleEF	MHD	5.78	1.27
tblVehicleEF	MHD	129.61	63.61
tblVehicleEF	MHD	1,137.96	1,044.12
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tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	10.60	1.31
tblVehicleEF	MHD	2.9900e-004	1.2960e-003
tblVehicleEF	MHD	5.0820e-003	0.03
tblVehicleEF	MHD	7.9200e-004	1.2100e-004
tblVehicleEF	MHD	2.8600e-004	1.2400e-003
tblVehicleEF	MHD	4.8580e-003	0.03
tblVehicleEF	MHD	7.2800e-004	1.1100e-004
tblVehicleEF	MHD	1.1390e-003	5.9400e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0000e-004	3.6500e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.35	0.06

tblVehicleEF	MHD	1.2500e-003	6.0400e-004
tblVehicleEF	MHD	0.01	9.9730e-003
tblVehicleEF	MHD	7.0000e-004	1.1100e-004
tblVehicleEF	MHD	1.1390e-003	5.9400e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.0000e-004	3.6500e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.39	0.06
tblVehicleEF	OBUS	0.01	8.5590e-003
tblVehicleEF	OBUS	7.7030e-003	6.9180e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.57
tblVehicleEF	OBUS	0.53	0.79
tblVehicleEF	OBUS	5.48	2.42
tblVehicleEF	OBUS	101.46	88.96
tblVehicleEF	OBUS	1,242.12	1,390.58
tblVehicleEF	OBUS	68.54	19.62
tblVehicleEF	OBUS	0.45	0.43
tblVehicleEF	OBUS	1.46	1.51
tblVehicleEF	OBUS	2.42	0.73
tblVehicleEF	OBUS	1.0100e-004	7.4100e-004
tblVehicleEF	OBUS	7.0660e-003	0.02
tblVehicleEF	OBUS	8.3000e-004	2.0000e-004
tblVehicleEF	OBUS	9.7000e-005	7.0900e-004
tblVehicleEF	OBUS	6.7440e-003	0.02
tblVehicleEF	OBUS	7.6300e-004	1.8400e-004
tblVehicleEF	OBUS	1.5080e-003	1.9450e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.8700e-004	9.7400e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	9.8000e-004	8.4700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8100e-004	1.9400e-004
tblVehicleEF	OBUS	1.5080e-003	1.9450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.8700e-004	9.7400e-004
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.6170e-003
tblVehicleEF	OBUS	7.8330e-003	7.0420e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.56
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.17	2.28
tblVehicleEF	OBUS	106.49	88.83
tblVehicleEF	OBUS	1,242.12	1,390.60
tblVehicleEF	OBUS	68.54	19.39
tblVehicleEF	OBUS	0.47	0.42
tblVehicleEF	OBUS	1.38	1.41
tblVehicleEF	OBUS	2.38	0.72
tblVehicleEF	OBUS	8.5000e-005	6.2900e-004
tblVehicleEF	OBUS	7.0660e-003	0.02
tblVehicleEF	OBUS	8.3000e-004	2.0000e-004

tblVehicleEF	OBUS	8.2000e-005	6.0200e-004
tblVehicleEF	OBUS	6.7440e-003	0.02
tblVehicleEF	OBUS	7.6300e-004	1.8400e-004
tblVehicleEF	OBUS	2.2620e-003	2.9030e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.1670e-003	1.4360e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.33	0.11
tblVehicleEF	OBUS	1.0280e-003	8.4500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7600e-004	1.9200e-004
tblVehicleEF	OBUS	2.2620e-003	2.9030e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.1670e-003	1.4360e-003
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	0.01	8.5020e-003
tblVehicleEF	OBUS	7.6720e-003	6.8890e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.59
tblVehicleEF	OBUS	0.53	0.78
tblVehicleEF	OBUS	5.53	2.44
tblVehicleEF	OBUS	94.52	89.13
tblVehicleEF	OBUS	1,242.12	1,390.57
tblVehicleEF	OBUS	68.54	19.66
tblVehicleEF	OBUS	0.43	0.44

tblVehicleEF	OBUS	1.44	1.48
tblVehicleEF	OBUS	2.43	0.73
tblVehicleEF	OBUS	1.2300e-004	8.9400e-004
tblVehicleEF	OBUS	7.0660e-003	0.02
tblVehicleEF	OBUS	8.3000e-004	2.0000e-004
tblVehicleEF	OBUS	1.1800e-004	8.5600e-004
tblVehicleEF	OBUS	6.7440e-003	0.02
tblVehicleEF	OBUS	7.6300e-004	1.8400e-004
tblVehicleEF	OBUS	1.5460e-003	2.0290e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.7900e-004	9.7100e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	9.1400e-004	8.4800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8200e-004	1.9500e-004
tblVehicleEF	OBUS	1.5460e-003	2.0290e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.7900e-004	9.7100e-004
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.9390e-003
tblVehicleEF	SBUS	0.07	7.0330e-003
tblVehicleEF	SBUS	7.95	2.99
tblVehicleEF	SBUS	0.75	0.69

tblVehicleEF	SBUS	7.37	0.97
tblVehicleEF	SBUS	1,131.72	356.57
tblVehicleEF	SBUS	1,092.38	1,105.25
tblVehicleEF	SBUS	53.92	5.86
tblVehicleEF	SBUS	9.36	3.31
tblVehicleEF	SBUS	4.28	4.97
tblVehicleEF	SBUS	12.35	0.82
tblVehicleEF	SBUS	9.4940e-003	4.3030e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5300e-004	5.5000e-005
tblVehicleEF	SBUS	9.0830e-003	4.1170e-003
tblVehicleEF	SBUS	2.6870e-003	2.6620e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	6.9200e-004	5.0000e-005
tblVehicleEF	SBUS	3.5580e-003	1.1110e-003
tblVehicleEF	SBUS	0.03	9.3360e-003
tblVehicleEF	SBUS	0.95	0.35
tblVehicleEF	SBUS	1.8470e-003	5.7700e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.4040e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.6700e-004	5.8000e-005
tblVehicleEF	SBUS	3.5580e-003	1.1110e-003
tblVehicleEF	SBUS	0.03	9.3360e-003
tblVehicleEF	SBUS	1.37	0.50
tblVehicleEF	SBUS	1.8470e-003	5.7700e-004
tblVehicleEF	SBUS	0.13	0.12

tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	8.0350e-003
tblVehicleEF	SBUS	0.06	6.1800e-003
tblVehicleEF	SBUS	7.83	2.95
tblVehicleEF	SBUS	0.76	0.70
tblVehicleEF	SBUS	5.88	0.77
tblVehicleEF	SBUS	1,183.16	365.16
tblVehicleEF	SBUS	1,092.38	1,105.27
tblVehicleEF	SBUS	53.92	5.53
tblVehicleEF	SBUS	9.65	3.39
tblVehicleEF	SBUS	4.04	4.68
tblVehicleEF	SBUS	12.32	0.81
tblVehicleEF	SBUS	8.0030e-003	3.6350e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5300e-004	5.5000e-005
tblVehicleEF	SBUS	7.6570e-003	3.4770e-003
tblVehicleEF	SBUS	2.6870e-003	2.6620e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	6.9200e-004	5.0000e-005
tblVehicleEF	SBUS	5.4390e-003	1.6990e-003
tblVehicleEF	SBUS	0.03	9.5450e-003
tblVehicleEF	SBUS	0.94	0.35
tblVehicleEF	SBUS	2.8200e-003	8.8000e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.04
tblVehicleEF	SBUS	0.01	3.4860e-003

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.4200e-004	5.5000e-005
tblVehicleEF	SBUS	5.4390e-003	1.6990e-003
tblVehicleEF	SBUS	0.03	9.5450e-003
tblVehicleEF	SBUS	1.36	0.50
tblVehicleEF	SBUS	2.8200e-003	8.8000e-004
tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.9180e-003
tblVehicleEF	SBUS	0.07	7.1870e-003
tblVehicleEF	SBUS	8.11	3.04
tblVehicleEF	SBUS	0.75	0.69
tblVehicleEF	SBUS	7.59	0.99
tblVehicleEF	SBUS	1,060.69	344.70
tblVehicleEF	SBUS	1,092.38	1,105.24
tblVehicleEF	SBUS	53.92	5.91
tblVehicleEF	SBUS	8.94	3.21
tblVehicleEF	SBUS	4.21	4.88
tblVehicleEF	SBUS	12.36	0.82
tblVehicleEF	SBUS	0.01	5.2270e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5300e-004	5.5000e-005
tblVehicleEF	SBUS	0.01	5.0010e-003
tblVehicleEF	SBUS	2.6870e-003	2.6620e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	6.9200e-004	5.0000e-005
tblVehicleEF	SBUS	3.5530e-003	1.1060e-003

tblVehicleEF	SBUS	0.03	9.7940e-003
tblVehicleEF	SBUS	0.95	0.35
tblVehicleEF	SBUS	1.8150e-003	5.6800e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.40	0.04
tblVehicleEF	SBUS	0.01	3.2920e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7000e-004	5.8000e-005
tblVehicleEF	SBUS	3.5530e-003	1.1060e-003
tblVehicleEF	SBUS	0.03	9.7940e-003
tblVehicleEF	SBUS	1.37	0.50
tblVehicleEF	SBUS	1.8150e-003	5.6800e-004
tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.44	0.05
tblVehicleEF	UBUS	2.39	5.46
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	10.55	42.46
tblVehicleEF	UBUS	10.24	0.96
tblVehicleEF	UBUS	1,926.89	1,962.12
tblVehicleEF	UBUS	109.62	11.80
tblVehicleEF	UBUS	8.58	0.45
tblVehicleEF	UBUS	14.69	0.12
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.11	3.0150e-003
tblVehicleEF	UBUS	1.1690e-003	6.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.6070e-003

tblVehicleEF	UBUS	0.10	2.8800e-003
tblVehicleEF	UBUS	1.0750e-003	5.6000e-005
tblVehicleEF	UBUS	4.9850e-003	9.9400e-004
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	2.8390e-003	7.7800e-004
tblVehicleEF	UBUS	0.76	0.08
tblVehicleEF	UBUS	0.03	0.08
tblVehicleEF	UBUS	0.79	0.07
tblVehicleEF	UBUS	9.6440e-003	2.3660e-003
tblVehicleEF	UBUS	1.2810e-003	1.1700e-004
tblVehicleEF	UBUS	4.9850e-003	9.9400e-004
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	2.8390e-003	7.7800e-004
tblVehicleEF	UBUS	3.23	5.57
tblVehicleEF	UBUS	0.03	0.08
tblVehicleEF	UBUS	0.86	0.07
tblVehicleEF	UBUS	2.39	5.46
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	10.60	42.46
tblVehicleEF	UBUS	8.88	0.84
tblVehicleEF	UBUS	1,926.89	1,962.13
tblVehicleEF	UBUS	109.62	11.60
tblVehicleEF	UBUS	8.08	0.45
tblVehicleEF	UBUS	14.63	0.12
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.11	3.0150e-003
tblVehicleEF	UBUS	1.1690e-003	6.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.6070e-003

tblVehicleEF	UBUS	0.10	2.8800e-003
tblVehicleEF	UBUS	1.0750e-003	5.6000e-005
tblVehicleEF	UBUS	7.3050e-003	1.4670e-003
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	4.1800e-003	1.1210e-003
tblVehicleEF	UBUS	0.77	0.08
tblVehicleEF	UBUS	0.02	0.08
tblVehicleEF	UBUS	0.72	0.06
tblVehicleEF	UBUS	9.6450e-003	2.3660e-003
tblVehicleEF	UBUS	1.2580e-003	1.1500e-004
tblVehicleEF	UBUS	7.3050e-003	1.4670e-003
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	4.1800e-003	1.1210e-003
tblVehicleEF	UBUS	3.25	5.57
tblVehicleEF	UBUS	0.02	0.08
tblVehicleEF	UBUS	0.79	0.07
tblVehicleEF	UBUS	2.39	5.46
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	10.54	42.46
tblVehicleEF	UBUS	10.42	0.98
tblVehicleEF	UBUS	1,926.89	1,962.12
tblVehicleEF	UBUS	109.62	11.83
tblVehicleEF	UBUS	8.42	0.45
tblVehicleEF	UBUS	14.70	0.12
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.11	3.0150e-003
tblVehicleEF	UBUS	1.1690e-003	6.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.6070e-003

tblVehicleEF	UBUS	0.10	2.8800e-003
tblVehicleEF	UBUS	1.0750e-003	5.6000e-005
tblVehicleEF	UBUS	5.5920e-003	9.6700e-004
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	2.9890e-003	7.4600e-004
tblVehicleEF	UBUS	0.76	0.08
tblVehicleEF	UBUS	0.03	0.10
tblVehicleEF	UBUS	0.80	0.07
tblVehicleEF	UBUS	9.6440e-003	2.3660e-003
tblVehicleEF	UBUS	1.2840e-003	1.1700e-004
tblVehicleEF	UBUS	5.5920e-003	9.6700e-004
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	2.9890e-003	7.4600e-004
tblVehicleEF	UBUS	3.23	5.57
tblVehicleEF	UBUS	0.03	0.10
tblVehicleEF	UBUS	0.87	0.07
tblVehicleTrips	ST_TR	2.46	9.74
tblVehicleTrips	ST_TR	1.68	1.51
tblVehicleTrips	SU_TR	1.05	9.74
tblVehicleTrips	SU_TR	1.68	1.51
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	1.68	1.51

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

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

Year	tons/yr										MT/yr					
2021	0.3502	3.6548	2.6524	6.1700e-003	0.3512	0.1566	0.5078	0.1391	0.1459	0.2850	0.0000	554.0232	554.0232	0.1146	0.0000	556.8892
2022	0.9237	3.8597	4.2219	8.2500e-003	0.1594	0.1812	0.3406	0.0430	0.1718	0.2148	0.0000	721.4963	721.4963	0.1181	0.0000	724.4495
Maximum	**0.9237**	**3.8597**	**4.2219**	**8.2500e-003**	**0.3512**	**0.1812**	**0.5078**	**0.1391**	**0.1718**	**0.2850**	**0.0000**	**721.4963**	**721.4963**	**0.1181**	**0.0000**	**724.4495**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.3502	3.6548	2.6524	6.1700e-003	0.1807	0.1566	0.3373	0.0652	0.1459	0.2111	0.0000	554.0228	554.0228	0.1146	0.0000	556.8887
2022	0.9237	3.8597	4.2219	8.2500e-003	0.1594	0.1812	0.3406	0.0430	0.1718	0.2148	0.0000	721.4957	721.4957	0.1181	0.0000	724.4489
Maximum	**0.9237**	**3.8597**	**4.2219**	**8.2500e-003**	**0.1807**	**0.1812**	**0.3406**	**0.0652**	**0.1718**	**0.2148**	**0.0000**	**721.4957**	**721.4957**	**0.1181**	**0.0000**	**724.4489**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**33.40**	**0.00**	**20.10**	**40.57**	**0.00**	**14.78**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	**Start Date**	**End Date**	**Maximum Unmitigated ROG + NOX (tons/quarter)**	**Maximum Mitigated ROG + NOX (tons/quarter)**
1	**7-1-2021**	**9-30-2021**	2.7737	2.7737
2	**10-1-2021**	**12-31-2021**	1.1899	1.1899
3	**1-1-2022**	**3-31-2022**	1.0654	1.0654
4	**4-1-2022**	**6-30-2022**	1.0755	1.0755
5	**7-1-2022**	**9-30-2022**	1.0873	1.0873
		Highest	2.7737	2.7737

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	0.7683	3.0000e-005	3.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.1900e-003	6.1900e-003	2.0000e-005	0.0000	6.6000e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	201.8498	201.8498	0.0000	0.0000	201.8498
Mobile	0.1747	0.4574	2.0067	6.1100e-003	0.5749	6.1400e-003	0.5810	0.1538	5.7600e-003	0.1596	0.0000	572.4862	572.4862	0.0351	0.0000	573.3644
Waste						0.0000	0.0000		0.0000	0.0000	38.0222	0.0000	38.0222	2.2471	0.0000	94.1985
Water						0.0000	0.0000		0.0000	0.0000	14.4710	140.7749	155.2460	1.4863	0.0351	202.8621
Total	**0.9430**	**0.4574**	**2.0099**	**6.1100e-003**	**0.5749**	**6.1500e-003**	**0.5810**	**0.1538**	**5.7700e-003**	**0.1596**	**52.4933**	**915.1171**	**967.6104**	**3.7685**	**0.0351**	**1,072.2814**

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	0.7683	3.0000e-005	3.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.1900e-003	6.1900e-003	2.0000e-005	0.0000	6.6000e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	190.2875	190.2875	0.0000	0.0000	190.2875
Mobile	0.1747	0.4574	2.0067	6.1100e-003	0.5749	6.1400e-003	0.5810	0.1538	5.7600e-003	0.1596	0.0000	572.4862	572.4862	0.0351	0.0000	573.3644
Waste						0.0000	0.0000		0.0000	0.0000	9.5056	0.0000	9.5056	0.5618	0.0000	23.5496
Water						0.0000	0.0000		0.0000	0.0000	11.5768	112.9773	124.5542	1.1891	0.0281	162.6471
Total	**0.9430**	**0.4574**	**2.0099**	**6.1100e-003**	**0.5749**	**6.1500e-003**	**0.5810**	**0.1538**	**5.7700e-003**	**0.1596**	**21.0824**	**875.7572**	**896.8396**	**1.7860**	**0.0281**	**949.8552**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.84	4.30	7.31	52.61	20.00	11.42

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	7/1/2021	8/1/2021	5	22	
2	Grading	Grading	8/2/2021	9/30/2021	5	44	
3	Building Construction	Building Construction	10/1/2021	12/23/2022	5	321	
4	Architectural Coating	Architectural Coating	10/1/2022	10/31/2022	5	21	
5	Paving	Paving	11/1/2022	11/15/2022	5	11	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 123.75

Acres of Paving: 0.45

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 299,037; Non-Residential Outdoor: 99,679; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Rough Terrain Forklifts	2	8.00	100	0.40
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Demolition	Skid Steer Loaders	2	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Trenchers	1	8.00	78	0.50
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	6.00	187	0.41
Grading	Other General Industrial Equipment	2	8.00	88	0.34

Grading	Rubber Tired Dozers	2	6.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Other General Industrial Equipment	2	8.00	88	0.34
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Building Construction	Tractors/Loaders/Backhoes	3	6.00	97	0.37
Building Construction	Trenchers	1	8.00	78	0.50
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	2	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	7.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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	12	30.00	0.00	1,100.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	17	43.00	0.00	1,913.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	14	91.00	36.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved 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					5.7000e-003	0.0000	5.7000e-003	8.6000e-004	0.0000	8.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0557	0.5668	0.3735	6.5000e-004		0.0289	0.0289		0.0269	0.0269	0.0000	56.5217	56.5217	0.0151	0.0000	56.9002
Total	**0.0557**	**0.5668**	**0.3735**	**6.5000e-004**	**5.7000e-003**	**0.0289**	**0.0346**	**8.6000e-004**	**0.0269**	**0.0278**	**0.0000**	**56.5217**	**56.5217**	**0.0151**	**0.0000**	**56.9002**

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	4.2300e-003	0.1471	0.0324	4.2000e-004	9.4500e-003	4.5000e-004	9.9000e-003	2.5900e-003	4.3000e-004	3.0200e-003	0.0000	41.2760	41.2760	2.9800e-003	0.0000	41.3505
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	1.3700e-003	1.0200e-003	0.0115	3.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.1570	3.1570	8.0000e-005	0.0000	3.1591
Total	**5.6000e-003**	**0.1481**	**0.0439**	**4.5000e-004**	**0.0131**	**4.8000e-004**	**0.0136**	**3.5500e-003**	**4.6000e-004**	**4.0100e-003**	**0.0000**	**44.4330**	**44.4330**	**3.0600e-003**	**0.0000**	**44.5095**

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					2.1100e-003	0.0000	2.1100e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0557	0.5668	0.3735	6.5000e-004		0.0289	0.0289		0.0269	0.0269	0.0000	56.5216	56.5216	0.0151	0.0000	56.9002
Total	**0.0557**	**0.5668**	**0.3735**	**6.5000e-004**	**2.1100e-003**	**0.0289**	**0.0310**	**3.2000e-004**	**0.0269**	**0.0272**	**0.0000**	**56.5216**	**56.5216**	**0.0151**	**0.0000**	**56.9002**

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	4.2300e-003	0.1471	0.0324	4.2000e-004	9.4500e-003	4.5000e-004	9.9000e-003	2.5900e-003	4.3000e-004	3.0200e-003	0.0000	41.2760	41.2760	2.9800e-003	0.0000	41.3505
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	1.3700e-003	1.0200e-003	0.0115	3.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.1570	3.1570	8.0000e-005	0.0000	3.1591
Total	**5.6000e-003**	**0.1481**	**0.0439**	**4.5000e-004**	**0.0131**	**4.8000e-004**	**0.0136**	**3.5500e-003**	**4.6000e-004**	**4.0100e-003**	**0.0000**	**44.4330**	**44.4330**	**3.0600e-003**	**0.0000**	**44.5095**

3.3 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					0.2652	0.0000	0.2652	0.1165	0.0000	0.1165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1492	1.6137	1.0608	2.1500e-003		0.0727	0.0727		0.0668	0.0668	0.0000	188.8677	188.8677	0.0611	0.0000	190.3948
Total	**0.1492**	**1.6137**	**1.0608**	**2.1500e-003**	**0.2652**	**0.0727**	**0.3379**	**0.1165**	**0.0668**	**0.1833**	**0.0000**	**188.8677**	**188.8677**	**0.0611**	**0.0000**	**190.3948**

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	7.3500e-003	0.2558	0.0564	7.3000e-004	0.0164	7.8000e-004	0.0172	4.5100e-003	7.4000e-004	5.2600e-003	0.0000	71.7827	71.7827	5.1800e-003	0.0000	71.9122
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	3.9300e-003	2.9200e-003	0.0330	1.0000e-004	0.0104	8.0000e-005	0.0105	2.7600e-003	7.0000e-005	2.8300e-003	0.0000	9.0499	9.0499	2.4000e-004	0.0000	9.0560
Total	**0.0113**	**0.2587**	**0.0894**	**8.3000e-004**	**0.0268**	**8.6000e-004**	**0.0277**	**7.2700e-003**	**8.1000e-004**	**8.0900e-003**	**0.0000**	**80.8327**	**80.8327**	**5.4200e-003**	**0.0000**	**80.9682**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0432	0.0000	0.0432	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1492	1.6137	1.0608	2.1500e-003		0.0727	0.0727		0.0668	0.0668	0.0000	188.8675	188.8675	0.0611	0.0000	190.3946

Total	**0.1492**	**1.6137**	**1.0608**	**2.1500e-003**	**0.0983**	**0.0727**	**0.1709**	**0.0432**	**0.0668**	**0.1100**	**0.0000**	**188.8675**	**188.8675**	**0.0611**	**0.0000**	**190.3946**

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	7.3500e-003	0.2558	0.0564	7.3000e-004	0.0164	7.8000e-004	0.0172	4.5100e-003	7.4000e-004	5.2600e-003	0.0000	71.7827	71.7827	5.1800e-003	0.0000	71.9122
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	3.9300e-003	2.9200e-003	0.0330	1.0000e-004	0.0104	8.0000e-005	0.0105	2.7600e-003	7.0000e-005	2.8300e-003	0.0000	9.0499	9.0499	2.4000e-004	0.0000	9.0560
Total	**0.0113**	**0.2587**	**0.0894**	**8.3000e-004**	**0.0268**	**8.6000e-004**	**0.0277**	**7.2700e-003**	**8.1000e-004**	**8.0900e-003**	**0.0000**	**80.8327**	**80.8327**	**5.4200e-003**	**0.0000**	**80.9682**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1125	0.9427	0.9508	1.4800e-003		0.0532	0.0532		0.0505	0.0505	0.0000	125.7946	125.7946	0.0273	0.0000	126.4770
Total	**0.1125**	**0.9427**	**0.9508**	**1.4800e-003**		**0.0532**	**0.0532**		**0.0505**	**0.0505**	**0.0000**	**125.7946**	**125.7946**	**0.0273**	**0.0000**	**126.4770**

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	3.4200e-003	0.1156	0.0292	3.0000e-004	7.4900e-003	2.4000e-004	7.7200e-003	2.1600e-003	2.3000e-004	2.3900e-003	0.0000	28.8454	28.8454	1.8600e-003	0.0000	28.8919
Worker	0.0125	9.2600e-003	0.1048	3.2000e-004	0.0330	2.5000e-004	0.0332	8.7500e-003	2.3000e-004	8.9800e-003	0.0000	28.7283	28.7283	7.7000e-004	0.0000	28.7476
Total	**0.0159**	**0.1248**	**0.1340**	**6.2000e-004**	**0.0404**	**4.9000e-004**	**0.0409**	**0.0109**	**4.6000e-004**	**0.0114**	**0.0000**	**57.5737**	**57.5737**	**2.6300e-003**	**0.0000**	**57.6395**

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	0.1125	0.9427	0.9508	1.4800e-003		0.0532	0.0532		0.0505	0.0505	0.0000	125.7944	125.7944	0.0273	0.0000	126.4768
Total	**0.1125**	**0.9427**	**0.9508**	**1.4800e-003**		**0.0532**	**0.0532**		**0.0505**	**0.0505**	**0.0000**	**125.7944**	**125.7944**	**0.0273**	**0.0000**	**126.4768**

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	3.4200e-003	0.1156	0.0292	3.0000e-004	7.4900e-003	2.4000e-004	7.7200e-003	2.1600e-003	2.3000e-004	2.3900e-003	0.0000	28.8454	28.8454	1.8600e-003	0.0000	28.8919
Worker	0.0125	9.2600e-003	0.1048	3.2000e-004	0.0330	2.5000e-004	0.0332	8.7500e-003	2.3000e-004	8.9800e-003	0.0000	28.7283	28.7283	7.7000e-004	0.0000	28.7476
Total	**0.0159**	**0.1248**	**0.1340**	**6.2000e-004**	**0.0404**	**4.9000e-004**	**0.0409**	**0.0109**	**4.6000e-004**	**0.0114**	**0.0000**	**57.5737**	**57.5737**	**2.6300e-003**	**0.0000**	**57.6395**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3936	3.3220	3.6346	5.7300e-003		0.1754	0.1754		0.1663	0.1663	0.0000	486.1220	486.1220	0.1042	0.0000	488.7279
Total	**0.3936**	**3.3220**	**3.6346**	**5.7300e-003**		**0.1754**	**0.1754**		**0.1663**	**0.1663**	**0.0000**	**486.1220**	**486.1220**	**0.1042**	**0.0000**	**488.7279**

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	0.0124	0.4236	0.1068	1.1400e-003	0.0289	7.9000e-004	0.0297	8.3500e-003	7.6000e-004	9.1000e-003	0.0000	110.4637	110.4637	6.9300e-003	0.0000	110.6371
Worker	0.0453	0.0323	0.3739	1.1800e-003	0.1273	9.3000e-004	0.1282	0.0338	8.6000e-004	0.0347	0.0000	107.0199	107.0199	2.7000e-003	0.0000	107.0874
Total	**0.0577**	**0.4560**	**0.4808**	**2.3200e-003**	**0.1562**	**1.7200e-003**	**0.1580**	**0.0422**	**1.6200e-003**	**0.0438**	**0.0000**	**217.4836**	**217.4836**	**9.6300e-003**	**0.0000**	**217.7245**

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	0.3936	3.3220	3.6346	5.7300e-003		0.1754	0.1754		0.1663	0.1663	0.0000	486.1214	486.1214	0.1042	0.0000	488.7274
Total	**0.3936**	**3.3220**	**3.6346**	**5.7300e-003**		**0.1754**	**0.1754**		**0.1663**	**0.1663**	**0.0000**	**486.1214**	**486.1214**	**0.1042**	**0.0000**	**488.7274**

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	0.0124	0.4236	0.1068	1.1400e-003	0.0289	7.9000e-004	0.0297	8.3500e-003	7.6000e-004	9.1000e-003	0.0000	110.4637	110.4637	6.9300e-003	0.0000	110.6371
Worker	0.0453	0.0323	0.3739	1.1800e-003	0.1273	9.3000e-004	0.1282	0.0338	8.6000e-004	0.0347	0.0000	107.0199	107.0199	2.7000e-003	0.0000	107.0874
Total	**0.0577**	**0.4560**	**0.4808**	**2.3200e-003**	**0.1562**	**1.7200e-003**	**0.1580**	**0.0422**	**1.6200e-003**	**0.0438**	**0.0000**	**217.4836**	**217.4836**	**9.6300e-003**	**0.0000**	**217.7245**

3.5 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	0.4621					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1500e-003	0.0148	0.0190	3.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004	0.0000	2.6809	2.6809	1.7000e-004	0.0000	2.6853
Total	**0.4643**	**0.0148**	**0.0190**	**3.0000e-005**		**8.6000e-004**	**8.6000e-004**		**8.6000e-004**	**8.6000e-004**	**0.0000**	**2.6809**	**2.6809**	**1.7000e-004**	**0.0000**	**2.6853**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4000e-004	5.3000e-004	6.0900e-003	2.0000e-005	2.0700e-003	2.0000e-005	2.0900e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.7433	1.7433	4.0000e-005	0.0000	1.7444
Total	**7.4000e-004**	**5.3000e-004**	**6.0900e-003**	**2.0000e-005**	**2.0700e-003**	**2.0000e-005**	**2.0900e-003**	**5.5000e-004**	**1.0000e-005**	**5.6000e-004**	**0.0000**	**1.7433**	**1.7433**	**4.0000e-005**	**0.0000**	**1.7444**

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	0.4621					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	2.1500e-003	0.0148	0.0190	3.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004	0.0000	2.6809	2.6809	1.7000e-004	0.0000	2.6853
Total	**0.4643**	**0.0148**	**0.0190**	**3.0000e-005**		**8.6000e-004**	**8.6000e-004**		**8.6000e-004**	**8.6000e-004**	**0.0000**	**2.6809**	**2.6809**	**1.7000e-004**	**0.0000**	**2.6853**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4000e-004	5.3000e-004	6.0900e-003	2.0000e-005	2.0700e-003	2.0000e-005	2.0900e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.7433	1.7433	4.0000e-005	0.0000	1.7444
Total	**7.4000e-004**	**5.3000e-004**	**6.0900e-003**	**2.0000e-005**	**2.0700e-003**	**2.0000e-005**	**2.0900e-003**	**5.5000e-004**	**1.0000e-005**	**5.6000e-004**	**0.0000**	**1.7433**	**1.7433**	**4.0000e-005**	**0.0000**	**1.7444**

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	6.4500e-003	0.0661	0.0782	1.4000e-004		3.2400e-003	3.2400e-003		2.9900e-003	2.9900e-003	0.0000	12.5533	12.5533	4.0200e-003	0.0000	12.6537
Paving	5.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.0400e-003**	**0.0661**	**0.0782**	**1.4000e-004**		**3.2400e-003**	**3.2400e-003**		**2.9900e-003**	**2.9900e-003**	**0.0000**	**12.5533**	**12.5533**	**4.0200e-003**	**0.0000**	**12.6537**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.8000e-004	3.1900e-003	1.0000e-005	1.0900e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9132	0.9132	2.0000e-005	0.0000	0.9137
Total	**3.9000e-004**	**2.8000e-004**	**3.1900e-003**	**1.0000e-005**	**1.0900e-003**	**1.0000e-005**	**1.0900e-003**	**2.9000e-004**	**1.0000e-005**	**3.0000e-004**	**0.0000**	**0.9132**	**0.9132**	**2.0000e-005**	**0.0000**	**0.9137**

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	6.4500e-003	0.0661	0.0782	1.4000e-004		3.2400e-003	3.2400e-003		2.9900e-003	2.9900e-003	0.0000	12.5532	12.5532	4.0200e-003	0.0000	12.6537
Paving	5.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.0400e-003**	**0.0661**	**0.0782**	**1.4000e-004**		**3.2400e-003**	**3.2400e-003**		**2.9900e-003**	**2.9900e-003**	**0.0000**	**12.5532**	**12.5532**	**4.0200e-003**	**0.0000**	**12.6537**

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.8000e-004	3.1900e-003	1.0000e-005	1.0900e-003	1.0000e-005	1.0900e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9132	0.9132	2.0000e-005	0.0000	0.9137
Total	**3.9000e-004**	**2.8000e-004**	**3.1900e-003**	**1.0000e-005**	**1.0900e-003**	**1.0000e-005**	**1.0900e-003**	**2.9000e-004**	**1.0000e-005**	**3.0000e-004**	**0.0000**	**0.9132**	**0.9132**	**2.0000e-005**	**0.0000**	**0.9137**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1747	0.4574	2.0067	6.1100e-003	0.5749	6.1400e-003	0.5810	0.1538	5.7600e-003	0.1596	0.0000	572.4862	572.4862	0.0351	0.0000	573.3644
Unmitigated	0.1747	0.4574	2.0067	6.1100e-003	0.5749	6.1400e-003	0.5810	0.1538	5.7600e-003	0.1596	0.0000	572.4862	572.4862	0.0351	0.0000	573.3644

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	88.93	88.93	88.93	286,472	286,472
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	287.25	287.25	287.25	1,231,061	1,231,061
Total	376.17	376.17	376.17	1,517,533	1,517,533

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %

Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896
Parking Lot	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896
Unrefrigerated Warehouse-No Rail	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive 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	190.2875	190.2875	0.0000	0.0000	190.2875
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	201.8498	201.8498	0.0000	0.0000	201.8498
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	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	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e

Land Use	kWh/yr	MT/yr			
General Office Building	118547	27.5850	0.0000	0.0000	27.5850
Parking Lot	7000	1.6289	0.0000	0.0000	1.6289
Unrefrigerated Warehouse-No Rail	741905	172.6360	0.0000	0.0000	172.6360
Total		**201.8498**	**0.0000**	**0.0000**	**201.8498**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	105953	24.6545	0.0000	0.0000	24.6545
Parking Lot	7000	1.6289	0.0000	0.0000	1.6289
Unrefrigerated Warehouse-No Rail	704810	164.0042	0.0000	0.0000	164.0042
Total		**190.2875**	**0.0000**	**0.0000**	**190.2875**

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

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

Category	tons/yr										MT/yr					
Mitigated	0.7683	3.0000e-005	3.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.1900e-003	6.1900e-003	2.0000e-005	0.0000	6.6000e-003
Unmitigated	0.7683	3.0000e-005	3.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.1900e-003	6.1900e-003	2.0000e-005	0.0000	6.6000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0463					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7217					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-004	3.0000e-005	3.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.1900e-003	6.1900e-003	2.0000e-005	0.0000	6.6000e-003
Total	**0.7683**	**3.0000e-005**	**3.1900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.1900e-003**	**6.1900e-003**	**2.0000e-005**	**0.0000**	**6.6000e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0463					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7217					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-004	3.0000e-005	3.1900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.1900e-003	6.1900e-003	2.0000e-005	0.0000	6.6000e-003

Total	**0.7683**	**3.0000e-005**	**3.1900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.1900e-003**	**6.1900e-003**	**2.0000e-005**	**0.0000**	**6.6000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	124.5542	1.1891	0.0281	162.6471
Unmitigated	155.2460	1.4863	0.0351	202.8621

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	1.62271 / 0.994564	8.0026	0.0529	1.2500e-003	9.6966

Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	43.9907 / 0	147.2433	1.4334	0.0339	193.1655
Total		**155.2460**	**1.4863**	**0.0351**	**202.8621**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	1.29817 / 0.933895	6.7595	0.0423	1.0000e-003	8.1147
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	35.1925 / 0	117.7947	1.1468	0.0271	154.5324
Total		**124.5542**	**1.1891**	**0.0281**	**162.6471**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	9.5056	0.5618	0.0000	23.5496

Unmitigated	38.0222	2.2471	0.0000	94.1985

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	8.49	1.7234	0.1019	0.0000	4.2696
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	178.82	36.2988	2.1452	0.0000	89.9289
Total		**38.0222**	**2.2471**	**0.0000**	**94.1985**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	2.1225	0.4309	0.0255	0.0000	1.0674
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	44.705	9.0747	0.5363	0.0000	22.4822
Total		**9.5056**	**0.5618**	**0.0000**	**23.5496**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

414 South San Gabriel Boulevard

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	9.13	1000sqft	0.21	9,126.00	0
Unrefrigerated Warehouse-No Rail	190.23	1000sqft	1.08	190,232.00	0
Parking Lot	50.00	Space	0.45	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	9			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	513	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2018 Emission Factor

Land Use - site is 1.74 acres

Construction Phase - construction schedule provided by project applicant

Off-road Equipment -

Off-road Equipment - construction equipment list provided by project applicant

Off-road Equipment - construction equipment list provided by project applicant

Off-road Equipment - construction equipment list provided by project applicant

Off-road Equipment - construction equipment list provided by project applicant

Trips and VMT - Per project applicant, 50 hauling trips/day * 22 days of demolition = 1,100 total hauling trips

Demolition -

Grading -

Architectural Coating - SCAQMD Rule 1113 - low VOC painting

Vehicle Trips - traffic study Table 8-1

Vehicle Emission Factors - EMFAC2017 South Coast Air Basin 2022

Vehicle Emission Factors - EMFAC2017 South Coast Air Basin 2022

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Area Coating - SCAQMD Rule 1113 - low VOC painting

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Energy Mitigation -

Water Mitigation - 2019 CalGreen

Waste Mitigation - AB 341

Energy Use - The project would have any natural gas usage.

Area Mitigation - SCAQMD Rule 445

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	1,200.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	200.00	321.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	4.00	44.00
tblConstructionPhase	NumDays	10.00	11.00
tblEnergyUse	NT24NG	0.39	0.00

tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24NG	10.02	0.00
tblEnergyUse	T24NG	0.84	0.00
tblGrading	AcresOfGrading	121.00	123.75
tblGrading	MaterialExported	0.00	15,300.00
tblLandUse	LandUseSquareFeet	9,130.00	9,126.00
tblLandUse	LandUseSquareFeet	190,230.00	190,232.00
tblLandUse	LotAcreage	4.37	1.08
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripNumber	53.00	1,100.00
tblTripsAndVMT	WorkerTripNumber	20.00	18.00
tblVehicleEF	HHD	0.67	0.03
tblVehicleEF	HHD	0.10	0.09
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	2.43	6.09
tblVehicleEF	HHD	1.04	0.57
tblVehicleEF	HHD	3.01	7.9670e-003
tblVehicleEF	HHD	4,575.00	1,143.93
tblVehicleEF	HHD	1,616.40	1,458.82

tblVehicleEF	HHD	9.63	0.07
tblVehicleEF	HHD	19.99	6.15
tblVehicleEF	HHD	3.61	3.41
tblVehicleEF	HHD	19.66	2.11
tblVehicleEF	HHD	0.01	3.7250e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.5640e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8000e-003	8.8590e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	7.5000e-005	1.0000e-006
tblVehicleEF	HHD	1.0100e-004	6.0000e-006
tblVehicleEF	HHD	4.2560e-003	2.2300e-004
tblVehicleEF	HHD	0.60	0.44
tblVehicleEF	HHD	7.3000e-005	4.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	3.5800e-004	1.1680e-003
tblVehicleEF	HHD	0.07	2.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.4600e-004	1.0000e-006
tblVehicleEF	HHD	1.0100e-004	6.0000e-006
tblVehicleEF	HHD	4.2560e-003	2.2300e-004
tblVehicleEF	HHD	0.70	0.51
tblVehicleEF	HHD	7.3000e-005	4.0000e-006
tblVehicleEF	HHD	0.24	0.17
tblVehicleEF	HHD	3.5800e-004	1.1680e-003

tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.63	0.03
tblVehicleEF	HHD	0.10	0.09
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	1.76	5.95
tblVehicleEF	HHD	1.05	0.57
tblVehicleEF	HHD	2.86	7.5630e-003
tblVehicleEF	HHD	4,846.62	1,140.34
tblVehicleEF	HHD	1,616.40	1,458.82
tblVehicleEF	HHD	9.63	0.07
tblVehicleEF	HHD	20.63	5.97
tblVehicleEF	HHD	3.41	3.23
tblVehicleEF	HHD	19.65	2.11
tblVehicleEF	HHD	0.01	3.2600e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.1190e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8000e-003	8.8590e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	7.5000e-005	1.0000e-006
tblVehicleEF	HHD	1.5900e-004	1.0000e-005
tblVehicleEF	HHD	4.4210e-003	2.3200e-004
tblVehicleEF	HHD	0.57	0.46
tblVehicleEF	HHD	1.1200e-004	7.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	3.5000e-004	1.1580e-003
tblVehicleEF	HHD	0.07	2.0000e-006

tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.4300e-004	1.0000e-006
tblVehicleEF	HHD	1.5900e-004	1.0000e-005
tblVehicleEF	HHD	4.4210e-003	2.3200e-004
tblVehicleEF	HHD	0.66	0.53
tblVehicleEF	HHD	1.1200e-004	7.0000e-006
tblVehicleEF	HHD	0.24	0.17
tblVehicleEF	HHD	3.5000e-004	1.1580e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.73	0.03
tblVehicleEF	HHD	0.10	0.09
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	3.34	6.27
tblVehicleEF	HHD	1.04	0.57
tblVehicleEF	HHD	3.03	8.0190e-003
tblVehicleEF	HHD	4,199.91	1,148.89
tblVehicleEF	HHD	1,616.40	1,458.82
tblVehicleEF	HHD	9.63	0.07
tblVehicleEF	HHD	19.10	6.40
tblVehicleEF	HHD	3.55	3.35
tblVehicleEF	HHD	19.66	2.11
tblVehicleEF	HHD	0.02	4.3670e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.02	4.1780e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8000e-003	8.8590e-003

tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	7.5000e-005	1.0000e-006
tblVehicleEF	HHD	9.9000e-005	6.0000e-006
tblVehicleEF	HHD	4.5600e-003	2.5300e-004
tblVehicleEF	HHD	0.65	0.41
tblVehicleEF	HHD	7.2000e-005	4.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	3.8800e-004	1.2390e-003
tblVehicleEF	HHD	0.07	2.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.4600e-004	1.0000e-006
tblVehicleEF	HHD	9.9000e-005	6.0000e-006
tblVehicleEF	HHD	4.5600e-003	2.5300e-004
tblVehicleEF	HHD	0.76	0.48
tblVehicleEF	HHD	7.2000e-005	4.0000e-006
tblVehicleEF	HHD	0.24	0.17
tblVehicleEF	HHD	3.8800e-004	1.2390e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	LDA	4.7320e-003	2.7500e-003
tblVehicleEF	LDA	5.1190e-003	0.05
tblVehicleEF	LDA	0.61	0.69
tblVehicleEF	LDA	1.10	2.09
tblVehicleEF	LDA	264.52	266.00
tblVehicleEF	LDA	56.84	53.17
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.0040e-003	1.6890e-003
tblVehicleEF	LDA	2.2630e-003	1.8410e-003
tblVehicleEF	LDA	1.8470e-003	1.5560e-003

tblVehicleEF	LDA	2.0810e-003	1.6930e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.6490e-003	2.6310e-003
tblVehicleEF	LDA	5.8700e-004	5.2600e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDA	5.0590e-003	2.9610e-003
tblVehicleEF	LDA	4.5320e-003	0.04
tblVehicleEF	LDA	0.68	0.76
tblVehicleEF	LDA	0.94	1.78
tblVehicleEF	LDA	278.28	279.38
tblVehicleEF	LDA	56.84	52.61
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.0040e-003	1.6890e-003
tblVehicleEF	LDA	2.2630e-003	1.8410e-003
tblVehicleEF	LDA	1.8470e-003	1.5560e-003
tblVehicleEF	LDA	2.0810e-003	1.6930e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.07

tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.7880e-003	2.7640e-003
tblVehicleEF	LDA	5.8400e-004	5.2100e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.6390e-003	2.6930e-003
tblVehicleEF	LDA	5.2220e-003	0.05
tblVehicleEF	LDA	0.59	0.66
tblVehicleEF	LDA	1.13	2.15
tblVehicleEF	LDA	260.28	261.84
tblVehicleEF	LDA	56.84	53.28
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.0040e-003	1.6890e-003
tblVehicleEF	LDA	2.2630e-003	1.8410e-003
tblVehicleEF	LDA	1.8470e-003	1.5560e-003
tblVehicleEF	LDA	2.0810e-003	1.6930e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.6070e-003	2.5900e-003

tblVehicleEF	LDA	5.8700e-004	5.2700e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.24
tblVehicleEF	LDT1	0.01	7.1700e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.50	1.39
tblVehicleEF	LDT1	2.78	2.28
tblVehicleEF	LDT1	329.98	314.09
tblVehicleEF	LDT1	69.73	63.56
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.1530e-003	2.5180e-003
tblVehicleEF	LDT1	3.4030e-003	2.6250e-003
tblVehicleEF	LDT1	2.9030e-003	2.3170e-003
tblVehicleEF	LDT1	3.1300e-003	2.4130e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.27	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.19	0.36
tblVehicleEF	LDT1	3.3190e-003	3.1080e-003
tblVehicleEF	LDT1	7.4600e-004	6.2900e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.27	0.20
tblVehicleEF	LDT1	0.11	0.11

tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.01	7.6520e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.65	1.53
tblVehicleEF	LDT1	2.36	1.94
tblVehicleEF	LDT1	345.91	327.53
tblVehicleEF	LDT1	69.73	62.89
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.1530e-003	2.5180e-003
tblVehicleEF	LDT1	3.4030e-003	2.6250e-003
tblVehicleEF	LDT1	2.9030e-003	2.3170e-003
tblVehicleEF	LDT1	3.1300e-003	2.4130e-003
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.29	0.22
tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.17	0.32
tblVehicleEF	LDT1	3.4800e-003	3.2410e-003
tblVehicleEF	LDT1	7.3900e-004	6.2200e-004
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.29	0.22
tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.18	0.35
tblVehicleEF	LDT1	0.01	7.0380e-003

tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.46	1.34
tblVehicleEF	LDT1	2.85	2.34
tblVehicleEF	LDT1	324.92	309.80
tblVehicleEF	LDT1	69.73	63.69
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.1530e-003	2.5180e-003
tblVehicleEF	LDT1	3.4030e-003	2.6250e-003
tblVehicleEF	LDT1	2.9030e-003	2.3170e-003
tblVehicleEF	LDT1	3.1300e-003	2.4130e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.31	0.23
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.20	0.37
tblVehicleEF	LDT1	3.2670e-003	3.0660e-003
tblVehicleEF	LDT1	7.4700e-004	6.3000e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.31	0.23
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	6.5030e-003	4.5360e-003
tblVehicleEF	LDT2	6.3830e-003	0.07
tblVehicleEF	LDT2	0.79	0.97
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	369.75	336.48

tblVehicleEF	LDT2	78.41	68.59
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	1.9980e-003	1.7730e-003
tblVehicleEF	LDT2	2.3340e-003	1.8630e-003
tblVehicleEF	LDT2	1.8370e-003	1.6320e-003
tblVehicleEF	LDT2	2.1460e-003	1.7130e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.7040e-003	3.3290e-003
tblVehicleEF	LDT2	8.0700e-004	6.7900e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	6.9410e-003	4.8630e-003
tblVehicleEF	LDT2	5.6550e-003	0.06
tblVehicleEF	LDT2	0.88	1.07
tblVehicleEF	LDT2	1.16	2.26
tblVehicleEF	LDT2	388.22	349.62
tblVehicleEF	LDT2	78.41	67.85
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	1.9980e-003	1.7730e-003

tblVehicleEF	LDT2	2.3340e-003	1.8630e-003
tblVehicleEF	LDT2	1.8370e-003	1.6320e-003
tblVehicleEF	LDT2	2.1460e-003	1.7130e-003
tblVehicleEF	LDT2	0.07	0.12
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.8890e-003	3.4590e-003
tblVehicleEF	LDT2	8.0300e-004	6.7100e-004
tblVehicleEF	LDT2	0.07	0.12
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LDT2	6.3770e-003	4.4460e-003
tblVehicleEF	LDT2	6.5100e-003	0.07
tblVehicleEF	LDT2	0.77	0.94
tblVehicleEF	LDT2	1.39	2.72
tblVehicleEF	LDT2	363.95	332.31
tblVehicleEF	LDT2	78.41	68.72
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	1.9980e-003	1.7730e-003
tblVehicleEF	LDT2	2.3340e-003	1.8630e-003
tblVehicleEF	LDT2	1.8370e-003	1.6320e-003
tblVehicleEF	LDT2	2.1460e-003	1.7130e-003
tblVehicleEF	LDT2	0.05	0.07

tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.6450e-003	3.2880e-003
tblVehicleEF	LDT2	8.0700e-004	6.8000e-004
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.4900e-003	5.4590e-003
tblVehicleEF	LHD1	0.01	5.3890e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.82	0.63
tblVehicleEF	LHD1	2.61	1.08
tblVehicleEF	LHD1	9.01	9.00
tblVehicleEF	LHD1	602.57	659.71
tblVehicleEF	LHD1	32.53	12.03
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.18	0.79
tblVehicleEF	LHD1	1.00	0.33
tblVehicleEF	LHD1	8.5900e-004	7.9700e-004
tblVehicleEF	LHD1	0.01	9.7310e-003
tblVehicleEF	LHD1	0.01	7.1580e-003
tblVehicleEF	LHD1	9.5300e-004	2.6700e-004
tblVehicleEF	LHD1	8.2200e-004	7.6200e-004

tblVehicleEF	LHD1	2.5220e-003	2.4330e-003
tblVehicleEF	LHD1	9.6600e-003	6.8210e-003
tblVehicleEF	LHD1	8.7600e-004	2.4500e-004
tblVehicleEF	LHD1	3.1050e-003	2.5050e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8470e-003	1.4950e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.52
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	5.9150e-003	6.4390e-003
tblVehicleEF	LHD1	3.7400e-004	1.1900e-004
tblVehicleEF	LHD1	3.1050e-003	2.5050e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8470e-003	1.4950e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.52
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.4900e-003	5.4710e-003
tblVehicleEF	LHD1	0.01	5.4940e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.49	1.04
tblVehicleEF	LHD1	9.01	9.00
tblVehicleEF	LHD1	602.57	659.73
tblVehicleEF	LHD1	32.53	11.94
tblVehicleEF	LHD1	0.07	0.06

tblVehicleEF	LHD1	1.11	0.74
tblVehicleEF	LHD1	0.95	0.31
tblVehicleEF	LHD1	8.5900e-004	7.9700e-004
tblVehicleEF	LHD1	0.01	9.7310e-003
tblVehicleEF	LHD1	0.01	7.1580e-003
tblVehicleEF	LHD1	9.5300e-004	2.6700e-004
tblVehicleEF	LHD1	8.2200e-004	7.6200e-004
tblVehicleEF	LHD1	2.5220e-003	2.4330e-003
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tblVehicleEF	LHD1	8.7600e-004	2.4500e-004
tblVehicleEF	LHD1	4.7620e-003	3.8280e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.7490e-003	2.2150e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.30	0.51
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	5.9150e-003	6.4390e-003
tblVehicleEF	LHD1	3.7200e-004	1.1800e-004
tblVehicleEF	LHD1	4.7620e-003	3.8280e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.7490e-003	2.2150e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.51
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	5.4900e-003	5.4570e-003
tblVehicleEF	LHD1	0.01	5.3670e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.82	0.63
tblVehicleEF	LHD1	2.62	1.09
tblVehicleEF	LHD1	9.01	9.00
tblVehicleEF	LHD1	602.57	659.70
tblVehicleEF	LHD1	32.53	12.04
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.16	0.77
tblVehicleEF	LHD1	1.00	0.33
tblVehicleEF	LHD1	8.5900e-004	7.9700e-004
tblVehicleEF	LHD1	0.01	9.7310e-003
tblVehicleEF	LHD1	0.01	7.1580e-003
tblVehicleEF	LHD1	9.5300e-004	2.6700e-004
tblVehicleEF	LHD1	8.2200e-004	7.6200e-004
tblVehicleEF	LHD1	2.5220e-003	2.4330e-003
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tblVehicleEF	LHD1	8.7600e-004	2.4500e-004
tblVehicleEF	LHD1	3.2410e-003	2.6270e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8470e-003	1.4960e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.56
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	5.9150e-003	6.4390e-003
tblVehicleEF	LHD1	3.7400e-004	1.1900e-004
tblVehicleEF	LHD1	3.2410e-003	2.6270e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03

tblVehicleEF	LHD1	1.8470e-003	1.4960e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD2	3.9190e-003	3.8250e-003
tblVehicleEF	LHD2	4.1770e-003	3.7880e-003
tblVehicleEF	LHD2	8.3290e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.36	0.43
tblVehicleEF	LHD2	1.31	0.72
tblVehicleEF	LHD2	13.72	13.69
tblVehicleEF	LHD2	614.85	663.08
tblVehicleEF	LHD2	27.18	9.22
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.79	0.95
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1860e-003	1.2750e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.4880e-003	0.01
tblVehicleEF	LHD2	4.4600e-004	1.4900e-004
tblVehicleEF	LHD2	1.1350e-003	1.2200e-003
tblVehicleEF	LHD2	2.6600e-003	2.6420e-003
tblVehicleEF	LHD2	9.0640e-003	0.01
tblVehicleEF	LHD2	4.1000e-004	1.3700e-004
tblVehicleEF	LHD2	1.1420e-003	1.5000e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3400e-004	9.1700e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.32

tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3100e-004
tblVehicleEF	LHD2	5.9900e-003	6.4150e-003
tblVehicleEF	LHD2	2.9600e-004	9.1000e-005
tblVehicleEF	LHD2	1.1420e-003	1.5000e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3400e-004	9.1700e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.9190e-003	3.8330e-003
tblVehicleEF	LHD2	4.2300e-003	3.8280e-003
tblVehicleEF	LHD2	8.0420e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.36	0.44
tblVehicleEF	LHD2	1.25	0.69
tblVehicleEF	LHD2	13.72	13.69
tblVehicleEF	LHD2	614.85	663.09
tblVehicleEF	LHD2	27.18	9.16
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tblVehicleEF	LHD2	0.75	0.89
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1860e-003	1.2750e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.4880e-003	0.01
tblVehicleEF	LHD2	4.4600e-004	1.4900e-004
tblVehicleEF	LHD2	1.1350e-003	1.2200e-003
tblVehicleEF	LHD2	2.6600e-003	2.6420e-003
tblVehicleEF	LHD2	9.0640e-003	0.01

tblVehicleEF	LHD2	4.1000e-004	1.3700e-004
tblVehicleEF	LHD2	1.7400e-003	2.2800e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0770e-003	1.3480e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.31
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3100e-004
tblVehicleEF	LHD2	5.9900e-003	6.4150e-003
tblVehicleEF	LHD2	2.9400e-004	9.1000e-005
tblVehicleEF	LHD2	1.7400e-003	2.2800e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0770e-003	1.3480e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.31
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.9190e-003	3.8240e-003
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tblVehicleEF	LHD2	8.3690e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.36	0.43
tblVehicleEF	LHD2	1.31	0.72
tblVehicleEF	LHD2	13.72	13.69
tblVehicleEF	LHD2	614.85	663.08
tblVehicleEF	LHD2	27.18	9.23
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.78	0.93
tblVehicleEF	LHD2	0.55	0.23

tblVehicleEF	LHD2	1.1860e-003	1.2750e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.4880e-003	0.01
tblVehicleEF	LHD2	4.4600e-004	1.4900e-004
tblVehicleEF	LHD2	1.1350e-003	1.2200e-003
tblVehicleEF	LHD2	2.6600e-003	2.6420e-003
tblVehicleEF	LHD2	9.0640e-003	0.01
tblVehicleEF	LHD2	4.1000e-004	1.3700e-004
tblVehicleEF	LHD2	1.1570e-003	1.5440e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2200e-004	9.0300e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.09	0.35
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3100e-004
tblVehicleEF	LHD2	5.9900e-003	6.4150e-003
tblVehicleEF	LHD2	2.9600e-004	9.1000e-005
tblVehicleEF	LHD2	1.1570e-003	1.5440e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2200e-004	9.0300e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.35
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.51	0.37
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.80	19.01
tblVehicleEF	MCY	9.65	8.52
tblVehicleEF	MCY	183.48	219.38

tblVehicleEF	MCY	44.84	59.81
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2940e-003	2.2850e-003
tblVehicleEF	MCY	3.7680e-003	3.2030e-003
tblVehicleEF	MCY	2.1440e-003	2.1360e-003
tblVehicleEF	MCY	3.5480e-003	3.0150e-003
tblVehicleEF	MCY	1.14	1.16
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.68	0.69
tblVehicleEF	MCY	2.48	2.50
tblVehicleEF	MCY	0.62	1.96
tblVehicleEF	MCY	2.05	1.82
tblVehicleEF	MCY	2.2170e-003	2.1710e-003
tblVehicleEF	MCY	6.6700e-004	5.9200e-004
tblVehicleEF	MCY	1.14	1.16
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.68	0.69
tblVehicleEF	MCY	3.09	3.10
tblVehicleEF	MCY	0.62	1.96
tblVehicleEF	MCY	2.23	1.98
tblVehicleEF	MCY	0.50	0.36
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.21	18.41
tblVehicleEF	MCY	8.85	7.78
tblVehicleEF	MCY	183.48	218.21
tblVehicleEF	MCY	44.84	57.95
tblVehicleEF	MCY	0.98	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2940e-003	2.2850e-003

tblVehicleEF	MCY	3.7680e-003	3.2030e-003
tblVehicleEF	MCY	2.1440e-003	2.1360e-003
tblVehicleEF	MCY	3.5480e-003	3.0150e-003
tblVehicleEF	MCY	1.89	1.91
tblVehicleEF	MCY	0.77	0.79
tblVehicleEF	MCY	1.19	1.20
tblVehicleEF	MCY	2.43	2.44
tblVehicleEF	MCY	0.59	1.86
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2060e-003	2.1590e-003
tblVehicleEF	MCY	6.4700e-004	5.7300e-004
tblVehicleEF	MCY	1.89	1.91
tblVehicleEF	MCY	0.77	0.79
tblVehicleEF	MCY	1.19	1.20
tblVehicleEF	MCY	3.02	3.03
tblVehicleEF	MCY	0.59	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.51	0.37
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.82	19.04
tblVehicleEF	MCY	9.73	8.60
tblVehicleEF	MCY	183.48	219.44
tblVehicleEF	MCY	44.84	60.03
tblVehicleEF	MCY	1.10	1.10
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.2940e-003	2.2850e-003
tblVehicleEF	MCY	3.7680e-003	3.2030e-003
tblVehicleEF	MCY	2.1440e-003	2.1360e-003
tblVehicleEF	MCY	3.5480e-003	3.0150e-003
tblVehicleEF	MCY	1.26	1.27

tblVehicleEF	MCY	0.87	0.89
tblVehicleEF	MCY	0.67	0.68
tblVehicleEF	MCY	2.49	2.51
tblVehicleEF	MCY	0.71	2.26
tblVehicleEF	MCY	2.08	1.85
tblVehicleEF	MCY	2.2180e-003	2.1720e-003
tblVehicleEF	MCY	6.6900e-004	5.9400e-004
tblVehicleEF	MCY	1.26	1.27
tblVehicleEF	MCY	0.87	0.89
tblVehicleEF	MCY	0.67	0.68
tblVehicleEF	MCY	3.10	3.11
tblVehicleEF	MCY	0.71	2.26
tblVehicleEF	MCY	2.27	2.01
tblVehicleEF	MDV	0.01	5.8890e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.28	1.14
tblVehicleEF	MDV	2.55	3.09
tblVehicleEF	MDV	499.94	414.37
tblVehicleEF	MDV	104.42	83.83
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.23	0.35
tblVehicleEF	MDV	2.1490e-003	1.9060e-003
tblVehicleEF	MDV	2.4500e-003	2.0100e-003
tblVehicleEF	MDV	1.9810e-003	1.7570e-003
tblVehicleEF	MDV	2.2530e-003	1.8480e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.44

tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.0080e-003	4.0970e-003
tblVehicleEF	MDV	1.0890e-003	8.3000e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.3090e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.42	1.26
tblVehicleEF	MDV	2.17	2.62
tblVehicleEF	MDV	524.64	428.52
tblVehicleEF	MDV	104.42	82.94
tblVehicleEF	MDV	0.12	0.09
tblVehicleEF	MDV	0.21	0.32
tblVehicleEF	MDV	2.1490e-003	1.9060e-003
tblVehicleEF	MDV	2.4500e-003	2.0100e-003
tblVehicleEF	MDV	1.9810e-003	1.7570e-003
tblVehicleEF	MDV	2.2530e-003	1.8480e-003
tblVehicleEF	MDV	0.12	0.14
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.11	0.13
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.41
tblVehicleEF	MDV	0.17	0.35
tblVehicleEF	MDV	5.2560e-003	4.2370e-003
tblVehicleEF	MDV	1.0820e-003	8.2100e-004
tblVehicleEF	MDV	0.12	0.14

tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.11	0.13
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.41
tblVehicleEF	MDV	0.19	0.39
tblVehicleEF	MDV	0.01	5.7730e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.24	1.10
tblVehicleEF	MDV	2.61	3.17
tblVehicleEF	MDV	492.31	410.00
tblVehicleEF	MDV	104.42	83.98
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	0.23	0.35
tblVehicleEF	MDV	2.1490e-003	1.9060e-003
tblVehicleEF	MDV	2.4500e-003	2.0100e-003
tblVehicleEF	MDV	1.9810e-003	1.7570e-003
tblVehicleEF	MDV	2.2530e-003	1.8480e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.20	0.41
tblVehicleEF	MDV	4.9310e-003	4.0530e-003
tblVehicleEF	MDV	1.0900e-003	8.3100e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.50

tblVehicleEF	MDV	0.22	0.45
tblVehicleEF	MH	0.03	9.7260e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.16	1.16
tblVehicleEF	MH	5.62	2.08
tblVehicleEF	MH	1,106.35	1,481.03
tblVehicleEF	MH	59.31	18.86
tblVehicleEF	MH	1.21	1.25
tblVehicleEF	MH	0.79	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.0820e-003	2.6300e-004
tblVehicleEF	MH	3.2160e-003	3.2660e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.9500e-004	2.4200e-004
tblVehicleEF	MH	1.02	0.88
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	1.38
tblVehicleEF	MH	0.32	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9100e-004	1.8700e-004
tblVehicleEF	MH	1.02	0.88
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.38
tblVehicleEF	MH	0.35	0.10
tblVehicleEF	MH	0.03	9.9510e-003

tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.23	1.19
tblVehicleEF	MH	5.28	1.96
tblVehicleEF	MH	1,106.35	1,481.08
tblVehicleEF	MH	59.31	18.66
tblVehicleEF	MH	1.12	1.16
tblVehicleEF	MH	0.76	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.0820e-003	2.6300e-004
tblVehicleEF	MH	3.2160e-003	3.2660e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.9500e-004	2.4200e-004
tblVehicleEF	MH	1.55	1.33
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.64	0.55
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.36
tblVehicleEF	MH	0.31	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.8500e-004	1.8500e-004
tblVehicleEF	MH	1.55	1.33
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.64	0.55
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.36
tblVehicleEF	MH	0.34	0.10
tblVehicleEF	MH	0.03	9.6770e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.15	1.15

tblVehicleEF	MH	5.66	2.09
tblVehicleEF	MH	1,106.35	1,481.02
tblVehicleEF	MH	59.31	18.89
tblVehicleEF	MH	1.19	1.22
tblVehicleEF	MH	0.80	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.0820e-003	2.6300e-004
tblVehicleEF	MH	3.2160e-003	3.2660e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.9500e-004	2.4200e-004
tblVehicleEF	MH	1.15	0.98
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.44	0.37
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.32	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9200e-004	1.8700e-004
tblVehicleEF	MH	1.15	0.98
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.44	0.37
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.35	0.10
tblVehicleEF	MHD	0.02	4.1880e-003
tblVehicleEF	MHD	4.1360e-003	4.0170e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.36	0.38
tblVehicleEF	MHD	0.32	0.41

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tblVehicleEF	MHD	141.15	64.66
tblVehicleEF	MHD	1,137.96	1,044.12
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tblVehicleEF	MHD	1.10	1.57
tblVehicleEF	MHD	10.60	1.31
tblVehicleEF	MHD	2.4600e-004	1.0680e-003
tblVehicleEF	MHD	5.0820e-003	0.03
tblVehicleEF	MHD	7.9200e-004	1.2100e-004
tblVehicleEF	MHD	2.3500e-004	1.0210e-003
tblVehicleEF	MHD	4.8580e-003	0.03
tblVehicleEF	MHD	7.2800e-004	1.1100e-004
tblVehicleEF	MHD	1.1040e-003	5.7600e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0500e-004	3.6800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.35	0.06
tblVehicleEF	MHD	1.3590e-003	6.1400e-004
tblVehicleEF	MHD	0.01	9.9730e-003
tblVehicleEF	MHD	6.9900e-004	1.1100e-004
tblVehicleEF	MHD	1.1040e-003	5.7600e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.0500e-004	3.6800e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.38	0.06

tblVehicleEF	MHD	0.02	3.9710e-003
tblVehicleEF	MHD	4.1930e-003	4.0580e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.26	0.31
tblVehicleEF	MHD	0.33	0.41
tblVehicleEF	MHD	5.45	1.20
tblVehicleEF	MHD	149.51	65.42
tblVehicleEF	MHD	1,137.96	1,044.13
tblVehicleEF	MHD	59.88	11.14
tblVehicleEF	MHD	0.54	0.46
tblVehicleEF	MHD	1.04	1.48
tblVehicleEF	MHD	10.56	1.31
tblVehicleEF	MHD	2.0700e-004	9.0200e-004
tblVehicleEF	MHD	5.0820e-003	0.03
tblVehicleEF	MHD	7.9200e-004	1.2100e-004
tblVehicleEF	MHD	1.9800e-004	8.6300e-004
tblVehicleEF	MHD	4.8580e-003	0.03
tblVehicleEF	MHD	7.2800e-004	1.1100e-004
tblVehicleEF	MHD	1.6790e-003	8.7500e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0380e-003	5.4100e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.34	0.06
tblVehicleEF	MHD	1.4370e-003	6.2200e-004
tblVehicleEF	MHD	0.01	9.9730e-003
tblVehicleEF	MHD	6.9400e-004	1.1000e-004
tblVehicleEF	MHD	1.6790e-003	8.7500e-004
tblVehicleEF	MHD	0.05	0.02

tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0380e-003	5.4100e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.37	0.06
tblVehicleEF	MHD	0.02	4.5010e-003
tblVehicleEF	MHD	4.1220e-003	4.0060e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.49	0.47
tblVehicleEF	MHD	0.32	0.41
tblVehicleEF	MHD	5.78	1.27
tblVehicleEF	MHD	129.61	63.61
tblVehicleEF	MHD	1,137.96	1,044.12
tblVehicleEF	MHD	59.88	11.27
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tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	10.60	1.31
tblVehicleEF	MHD	2.9900e-004	1.2960e-003
tblVehicleEF	MHD	5.0820e-003	0.03
tblVehicleEF	MHD	7.9200e-004	1.2100e-004
tblVehicleEF	MHD	2.8600e-004	1.2400e-003
tblVehicleEF	MHD	4.8580e-003	0.03
tblVehicleEF	MHD	7.2800e-004	1.1100e-004
tblVehicleEF	MHD	1.1390e-003	5.9400e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0000e-004	3.6500e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.35	0.06

tblVehicleEF	MHD	1.2500e-003	6.0400e-004
tblVehicleEF	MHD	0.01	9.9730e-003
tblVehicleEF	MHD	7.0000e-004	1.1100e-004
tblVehicleEF	MHD	1.1390e-003	5.9400e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.0000e-004	3.6500e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.39	0.06
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tblVehicleEF	OBUS	7.7030e-003	6.9180e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.57
tblVehicleEF	OBUS	0.53	0.79
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tblVehicleEF	OBUS	101.46	88.96
tblVehicleEF	OBUS	1,242.12	1,390.58
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tblVehicleEF	OBUS	1.46	1.51
tblVehicleEF	OBUS	2.42	0.73
tblVehicleEF	OBUS	1.0100e-004	7.4100e-004
tblVehicleEF	OBUS	7.0660e-003	0.02
tblVehicleEF	OBUS	8.3000e-004	2.0000e-004
tblVehicleEF	OBUS	9.7000e-005	7.0900e-004
tblVehicleEF	OBUS	6.7440e-003	0.02
tblVehicleEF	OBUS	7.6300e-004	1.8400e-004
tblVehicleEF	OBUS	1.5080e-003	1.9450e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.8700e-004	9.7400e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	9.8000e-004	8.4700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8100e-004	1.9400e-004
tblVehicleEF	OBUS	1.5080e-003	1.9450e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.8700e-004	9.7400e-004
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.6170e-003
tblVehicleEF	OBUS	7.8330e-003	7.0420e-003
tblVehicleEF	OBUS	0.03	0.02
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tblVehicleEF	OBUS	1,242.12	1,390.60
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tblVehicleEF	OBUS	2.38	0.72
tblVehicleEF	OBUS	8.5000e-005	6.2900e-004
tblVehicleEF	OBUS	7.0660e-003	0.02
tblVehicleEF	OBUS	8.3000e-004	2.0000e-004

tblVehicleEF	OBUS	8.2000e-005	6.0200e-004
tblVehicleEF	OBUS	6.7440e-003	0.02
tblVehicleEF	OBUS	7.6300e-004	1.8400e-004
tblVehicleEF	OBUS	2.2620e-003	2.9030e-003
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tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.1670e-003	1.4360e-003
tblVehicleEF	OBUS	0.06	0.06
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tblVehicleEF	OBUS	0.33	0.11
tblVehicleEF	OBUS	1.0280e-003	8.4500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7600e-004	1.9200e-004
tblVehicleEF	OBUS	2.2620e-003	2.9030e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.1670e-003	1.4360e-003
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tblVehicleEF	OBUS	8.3000e-004	2.0000e-004
tblVehicleEF	OBUS	1.1800e-004	8.5600e-004
tblVehicleEF	OBUS	6.7440e-003	0.02
tblVehicleEF	OBUS	7.6300e-004	1.8400e-004
tblVehicleEF	OBUS	1.5460e-003	2.0290e-003
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tblVehicleEF	OBUS	7.7900e-004	9.7100e-004
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tblVehicleEF	OBUS	9.1400e-004	8.4800e-004
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tblVehicleEF	OBUS	7.8200e-004	1.9500e-004
tblVehicleEF	OBUS	1.5460e-003	2.0290e-003
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tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.7900e-004	9.7100e-004
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tblVehicleEF	SBUS	0.01	7.9390e-003
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tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5300e-004	5.5000e-005
tblVehicleEF	SBUS	9.0830e-003	4.1170e-003
tblVehicleEF	SBUS	2.6870e-003	2.6620e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	6.9200e-004	5.0000e-005
tblVehicleEF	SBUS	3.5580e-003	1.1110e-003
tblVehicleEF	SBUS	0.03	9.3360e-003
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tblVehicleEF	SBUS	7.5300e-004	5.5000e-005
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tblVehicleEF	SBUS	2.6870e-003	2.6620e-003
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tblVehicleEF	SBUS	6.9200e-004	5.0000e-005
tblVehicleEF	SBUS	5.4390e-003	1.6990e-003
tblVehicleEF	SBUS	0.03	9.5450e-003
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tblVehicleEF	SBUS	2.8200e-003	8.8000e-004
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tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.04
tblVehicleEF	SBUS	0.01	3.4860e-003

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tblVehicleEF	SBUS	5.4390e-003	1.6990e-003
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tblVehicleEF	SBUS	2.8200e-003	8.8000e-004
tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
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tblVehicleEF	SBUS	2.6870e-003	2.6620e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	6.9200e-004	5.0000e-005
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tblVehicleEF	SBUS	0.95	0.35
tblVehicleEF	SBUS	1.8150e-003	5.6800e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.07
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tblVehicleEF	SBUS	0.01	3.2920e-003
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tblVehicleEF	SBUS	6.7000e-004	5.8000e-005
tblVehicleEF	SBUS	3.5530e-003	1.1060e-003
tblVehicleEF	SBUS	0.03	9.7940e-003
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tblVehicleEF	SBUS	1.8150e-003	5.6800e-004
tblVehicleEF	SBUS	0.13	0.12
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tblVehicleEF	SBUS	0.44	0.05
tblVehicleEF	UBUS	2.39	5.46
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	10.55	42.46
tblVehicleEF	UBUS	10.24	0.96
tblVehicleEF	UBUS	1,926.89	1,962.12
tblVehicleEF	UBUS	109.62	11.80
tblVehicleEF	UBUS	8.58	0.45
tblVehicleEF	UBUS	14.69	0.12
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.11	3.0150e-003
tblVehicleEF	UBUS	1.1690e-003	6.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.6070e-003

tblVehicleEF	UBUS	0.10	2.8800e-003
tblVehicleEF	UBUS	1.0750e-003	5.6000e-005
tblVehicleEF	UBUS	4.9850e-003	9.9400e-004
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	2.8390e-003	7.7800e-004
tblVehicleEF	UBUS	0.76	0.08
tblVehicleEF	UBUS	0.03	0.08
tblVehicleEF	UBUS	0.79	0.07
tblVehicleEF	UBUS	9.6440e-003	2.3660e-003
tblVehicleEF	UBUS	1.2810e-003	1.1700e-004
tblVehicleEF	UBUS	4.9850e-003	9.9400e-004
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	2.8390e-003	7.7800e-004
tblVehicleEF	UBUS	3.23	5.57
tblVehicleEF	UBUS	0.03	0.08
tblVehicleEF	UBUS	0.86	0.07
tblVehicleEF	UBUS	2.39	5.46
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	10.60	42.46
tblVehicleEF	UBUS	8.88	0.84
tblVehicleEF	UBUS	1,926.89	1,962.13
tblVehicleEF	UBUS	109.62	11.60
tblVehicleEF	UBUS	8.08	0.45
tblVehicleEF	UBUS	14.63	0.12
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.11	3.0150e-003
tblVehicleEF	UBUS	1.1690e-003	6.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.6070e-003

tblVehicleEF	UBUS	0.10	2.8800e-003
tblVehicleEF	UBUS	1.0750e-003	5.6000e-005
tblVehicleEF	UBUS	7.3050e-003	1.4670e-003
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	4.1800e-003	1.1210e-003
tblVehicleEF	UBUS	0.77	0.08
tblVehicleEF	UBUS	0.02	0.08
tblVehicleEF	UBUS	0.72	0.06
tblVehicleEF	UBUS	9.6450e-003	2.3660e-003
tblVehicleEF	UBUS	1.2580e-003	1.1500e-004
tblVehicleEF	UBUS	7.3050e-003	1.4670e-003
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	4.1800e-003	1.1210e-003
tblVehicleEF	UBUS	3.25	5.57
tblVehicleEF	UBUS	0.02	0.08
tblVehicleEF	UBUS	0.79	0.07
tblVehicleEF	UBUS	2.39	5.46
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	10.54	42.46
tblVehicleEF	UBUS	10.42	0.98
tblVehicleEF	UBUS	1,926.89	1,962.12
tblVehicleEF	UBUS	109.62	11.83
tblVehicleEF	UBUS	8.42	0.45
tblVehicleEF	UBUS	14.70	0.12
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.11	3.0150e-003
tblVehicleEF	UBUS	1.1690e-003	6.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.6070e-003

tblVehicleEF	UBUS	0.10	2.8800e-003
tblVehicleEF	UBUS	1.0750e-003	5.6000e-005
tblVehicleEF	UBUS	5.5920e-003	9.6700e-004
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	2.9890e-003	7.4600e-004
tblVehicleEF	UBUS	0.76	0.08
tblVehicleEF	UBUS	0.03	0.10
tblVehicleEF	UBUS	0.80	0.07
tblVehicleEF	UBUS	9.6440e-003	2.3660e-003
tblVehicleEF	UBUS	1.2840e-003	1.1700e-004
tblVehicleEF	UBUS	5.5920e-003	9.6700e-004
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	2.9890e-003	7.4600e-004
tblVehicleEF	UBUS	3.23	5.57
tblVehicleEF	UBUS	0.03	0.10
tblVehicleEF	UBUS	0.87	0.07
tblVehicleTrips	ST_TR	2.46	9.74
tblVehicleTrips	ST_TR	1.68	1.51
tblVehicleTrips	SU_TR	1.05	9.74
tblVehicleTrips	SU_TR	1.68	1.51
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	1.68	1.51

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

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

Year	lb/day										lb/day					
2021	7.2920	84.7395	52.3212	0.1358	13.2951	3.3411	16.6363	5.6289	3.0752	8.7040	0.0000	13,561.9964	13,561.9964	3.3288	0.0000	13,645.2151
2022	47.8264	41.6232	47.2957	0.0917	1.4487	1.9795	3.4282	0.3894	1.8613	2.2508	0.0000	8,848.1815	8,848.1815	1.7942	0.0000	8,893.0357
Maximum	**47.8264**	**84.7395**	**52.3212**	**0.1358**	**13.2951**	**3.3411**	**16.6363**	**5.6289**	**3.0752**	**8.7040**	**0.0000**	**13,561.9964**	**13,561.9964**	**3.3288**	**0.0000**	**13,645.2151**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	7.2920	84.7395	52.3212	0.1358	5.7064	3.3411	9.0476	2.2967	3.0752	5.3719	0.0000	13,561.9963	13,561.9963	3.3288	0.0000	13,645.2150
2022	47.8264	41.6232	47.2957	0.0917	1.4487	1.9795	3.4282	0.3894	1.8613	2.2508	0.0000	8,848.1814	8,848.1814	1.7942	0.0000	8,893.0357
Maximum	**47.8264**	**84.7395**	**52.3212**	**0.1358**	**5.7064**	**3.3411**	**9.0476**	**2.2967**	**3.0752**	**5.3719**	**0.0000**	**13,561.9963**	**13,561.9963**	**3.3288**	**0.0000**	**13,645.2150**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**51.47**	**0.00**	**37.82**	**55.37**	**0.00**	**30.42**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.2107	2.3000e-004	0.0255	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582

Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.9892	2.3479	11.5133	0.0347	3.2172	0.0337	3.2509	0.8593	0.0317	0.8910		3,583.8253	3,583.8253	0.2103		3,589.0837
Total	**5.1998**	**2.3481**	**11.5388**	**0.0347**	**3.2172**	**0.0338**	**3.2510**	**0.8593**	**0.0318**	**0.8911**		**3,583.8798**	**3,583.8798**	**0.2105**	**0.0000**	**3,589.1419**

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	4.2107	2.3000e-004	0.0255	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.9892	2.3479	11.5133	0.0347	3.2172	0.0337	3.2509	0.8593	0.0317	0.8910		3,583.8253	3,583.8253	0.2103		3,589.0837
Total	**5.1998**	**2.3481**	**11.5388**	**0.0347**	**3.2172**	**0.0338**	**3.2510**	**0.8593**	**0.0318**	**0.8911**		**3,583.8798**	**3,583.8798**	**0.2105**	**0.0000**	**3,589.1419**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**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	7/1/2021	8/1/2021	5	22	
2	Grading	Grading	8/2/2021	9/30/2021	5	44	
3	Building Construction	Building Construction	10/1/2021	12/23/2022	5	321	
4	Architectural Coating	Architectural Coating	10/1/2022	10/31/2022	5	21	
5	Paving	Paving	11/1/2022	11/15/2022	5	11	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 123.75

Acres of Paving: 0.45

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 299,037; Non-Residential Outdoor: 99,679; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Rough Terrain Forklifts	2	8.00	100	0.40
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Demolition	Skid Steer Loaders	2	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Trenchers	1	8.00	78	0.50
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	6.00	187	0.41
Grading	Other General Industrial Equipment	2	8.00	88	0.34
Grading	Rubber Tired Dozers	2	6.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Other General Industrial Equipment	2	8.00	88	0.34
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Building Construction	Tractors/Loaders/Backhoes	3	6.00	97	0.37
Building Construction	Trenchers	1	8.00	78	0.50

Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	2	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	7.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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	12	30.00	0.00	1,100.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	17	43.00	0.00	1,913.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	14	91.00	36.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved 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					0.5181	0.0000	0.5181	0.0784	0.0000	0.0784			0.0000			0.0000
Off-Road	5.0632	51.5249	33.9564	0.0587		2.6288	2.6288		2.4462	2.4462		5,664.0438	5,664.0438	1.5173		5,701.9772
Total	**5.0632**	**51.5249**	**33.9564**	**0.0587**	**0.5181**	**2.6288**	**3.1468**	**0.0784**	**2.4462**	**2.5246**		**5,664.0438**	**5,664.0438**	**1.5173**		**5,701.9772**

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	0.3800	12.9641	2.8637	0.0384	0.8733	0.0404	0.9137	0.2393	0.0387	0.2780		4,166.3178	4,166.3178	0.2936		4,173.6584
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	0.1256	0.0819	1.1264	3.3300e-003	0.3353	2.4800e-003	0.3378	0.0889	2.2900e-003	0.0912		332.0695	332.0695	8.9500e-003		332.2932
Total	**0.5056**	**13.0460**	**3.9901**	**0.0417**	**1.2086**	**0.0429**	**1.2515**	**0.3282**	**0.0410**	**0.3692**		**4,498.3873**	**4,498.3873**	**0.3026**		**4,505.9517**

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					0.1920	0.0000	0.1920	0.0291	0.0000	0.0291			0.0000			0.0000
Off-Road	5.0632	51.5249	33.9564	0.0587		2.6288	2.6288		2.4462	2.4462	0.0000	5,664.0438	5,664.0438	1.5173		5,701.9772
Total	**5.0632**	**51.5249**	**33.9564**	**0.0587**	**0.1920**	**2.6288**	**2.8207**	**0.0291**	**2.4462**	**2.4752**	**0.0000**	**5,664.0438**	**5,664.0438**	**1.5173**		**5,701.9772**

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	0.3800	12.9641	2.8637	0.0384	0.8733	0.0404	0.9137	0.2393	0.0387	0.2780		4,166.3178	4,166.3178	0.2936		4,173.6584
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	0.1256	0.0819	1.1264	3.3300e-003	0.3353	2.4800e-003	0.3378	0.0889	2.2900e-003	0.0912		332.0695	332.0695	8.9500e-003		332.2932
Total	**0.5056**	**13.0460**	**3.9901**	**0.0417**	**1.2086**	**0.0429**	**1.2515**	**0.3282**	**0.0410**	**0.3692**		**4,498.3873**	**4,498.3873**	**0.3026**		**4,505.9517**

3.3 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					12.0551	0.0000	12.0551	5.2934	0.0000	5.2934			0.0000			0.0000
Off-Road	6.7816	73.3493	48.2166	0.0977		3.3024	3.3024		3.0383	3.0383		9,463.2274	9,463.2274	3.0606		9,539.7424
Total	**6.7816**	**73.3493**	**48.2166**	**0.0977**	**12.0551**	**3.3024**	**15.3576**	**5.2934**	**3.0383**	**8.3316**		**9,463.2274**	**9,463.2274**	**3.0606**		**9,539.7424**

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	0.3304	11.2729	2.4901	0.0334	0.7594	0.0351	0.7945	0.2081	0.0336	0.2417		3,622.8027	3,622.8027	0.2553		3,629.1857
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	0.1800	0.1174	1.6145	4.7800e-003	0.4806	3.5600e-003	0.4842	0.1275	3.2800e-003	0.1307		475.9663	475.9663	0.0128		476.2870
Total	**0.5104**	**11.3902**	**4.1046**	**0.0381**	**1.2400**	**0.0387**	**1.2787**	**0.3356**	**0.0369**	**0.3724**		**4,098.7690**	**4,098.7690**	**0.2682**		**4,105.4727**

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					4.4664	0.0000	4.4664	1.9612	0.0000	1.9612			0.0000			0.0000
Off-Road	6.7816	73.3493	48.2166	0.0977		3.3024	3.3024		3.0383	3.0383	0.0000	9,463.2274	9,463.2274	3.0606		9,539.7424
Total	**6.7816**	**73.3493**	**48.2166**	**0.0977**	**4.4664**	**3.3024**	**7.7689**	**1.9612**	**3.0383**	**4.9994**	**0.0000**	**9,463.2274**	**9,463.2274**	**3.0606**		**9,539.7424**

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	0.3304	11.2729	2.4901	0.0334	0.7594	0.0351	0.7945	0.2081	0.0336	0.2417		3,622.8027	3,622.8027	0.2553		3,629.1857
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	0.1800	0.1174	1.6145	4.7800e-003	0.4806	3.5600e-003	0.4842	0.1275	3.2800e-003	0.1307		475.9663	475.9663	0.0128		476.2870

Total	**0.5104**	**11.3902**	**4.1046**	**0.0381**	**1.2400**	**0.0387**	**1.2787**	**0.3356**	**0.0369**	**0.3724**		**4,098.7690**	**4,098.7690**	**0.2682**		**4,105.4727**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4099	28.5657	28.8117	0.0449		1.6126	1.6126		1.5287	1.5287		4,201.9629	4,201.9629	0.9118		4,224.7571
Total	**3.4099**	**28.5657**	**28.8117**	**0.0449**		**1.6126**	**1.6126**		**1.5287**	**1.5287**		**4,201.9629**	**4,201.9629**	**0.9118**		**4,224.7571**

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	0.1013	3.4476	0.8371	9.1100e-003	0.2304	7.0400e-003	0.2374	0.0663	6.7300e-003	0.0731		974.6775	974.6775	0.0603		976.1843
Worker	0.3808	0.2484	3.4168	0.0101	1.0172	7.5300e-003	1.0247	0.2698	6.9300e-003	0.2767		1,007.2774	1,007.2774	0.0272		1,007.9562
Total	**0.4821**	**3.6960**	**4.2539**	**0.0192**	**1.2475**	**0.0146**	**1.2621**	**0.3361**	**0.0137**	**0.3497**		**1,981.9549**	**1,981.9549**	**0.0874**		**1,984.1404**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4099	28.5657	28.8117	0.0449		1.6126	1.6126		1.5287	1.5287	0.0000	4,201.9629	4,201.9629	0.9118		4,224.7571
Total	**3.4099**	**28.5657**	**28.8117**	**0.0449**		**1.6126**	**1.6126**		**1.5287**	**1.5287**	**0.0000**	**4,201.9629**	**4,201.9629**	**0.9118**		**4,224.7571**

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	0.1013	3.4476	0.8371	9.1100e-003	0.2304	7.0400e-003	0.2374	0.0663	6.7300e-003	0.0731		974.6775	974.6775	0.0603		976.1843
Worker	0.3808	0.2484	3.4168	0.0101	1.0172	7.5300e-003	1.0247	0.2698	6.9300e-003	0.2767		1,007.2774	1,007.2774	0.0272		1,007.9562
Total	**0.4821**	**3.6960**	**4.2539**	**0.0192**	**1.2475**	**0.0146**	**1.2621**	**0.3361**	**0.0137**	**0.3497**		**1,981.9549**	**1,981.9549**	**0.0874**		**1,984.1404**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

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

Off-Road	3.0866	26.0546	28.5068	0.0449		1.3754	1.3754		1.3045	1.3045		4,202.8062	4,202.8062	0.9012		4,225.3359
Total	**3.0866**	**26.0546**	**28.5068**	**0.0449**		**1.3754**	**1.3754**		**1.3045**	**1.3045**		**4,202.8062**	**4,202.8062**	**0.9012**		**4,225.3359**

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	0.0951	3.2747	0.7926	9.0200e-003	0.2304	6.1300e-003	0.2365	0.0663	5.8600e-003	0.0722		966.1328	966.1328	0.0582		967.5879
Worker	0.3573	0.2244	3.1597	9.7400e-003	1.0172	7.3100e-003	1.0245	0.2698	6.7300e-003	0.2765		971.2095	971.2095	0.0245		971.8230
Total	**0.4523**	**3.4991**	**3.9523**	**0.0188**	**1.2475**	**0.0134**	**1.2610**	**0.3361**	**0.0126**	**0.3487**		**1,937.3423**	**1,937.3423**	**0.0827**		**1,939.4109**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0866	26.0546	28.5068	0.0449		1.3754	1.3754		1.3045	1.3045	0.0000	4,202.8061	4,202.8061	0.9012		4,225.3359
Total	**3.0866**	**26.0546**	**28.5068**	**0.0449**		**1.3754**	**1.3754**		**1.3045**	**1.3045**	**0.0000**	**4,202.8061**	**4,202.8061**	**0.9012**		**4,225.3359**

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	0.0951	3.2747	0.7926	9.0200e-003	0.2304	6.1300e-003	0.2365	0.0663	5.8600e-003	0.0722		966.1328	966.1328	0.0582		967.5879
Worker	0.3573	0.2244	3.1597	9.7400e-003	1.0172	7.3100e-003	1.0245	0.2698	6.7300e-003	0.2765		971.2095	971.2095	0.0245		971.8230
Total	**0.4523**	**3.4991**	**3.9523**	**0.0188**	**1.2475**	**0.0134**	**1.2610**	**0.3361**	**0.0126**	**0.3487**		**1,937.3423**	**1,937.3423**	**0.0827**		**1,939.4109**

3.5 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	44.0122					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	**44.2167**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

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

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0444	0.6250	1.9300e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		192.1074	192.1074	4.8500e-003		192.2287
Total	**0.0707**	**0.0444**	**0.6250**	**1.9300e-003**	**0.2012**	**1.4500e-003**	**0.2026**	**0.0534**	**1.3300e-003**	**0.0547**		**192.1074**	**192.1074**	**4.8500e-003**		**192.2287**

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	44.0122					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	**44.2167**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0444	0.6250	1.9300e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		192.1074	192.1074	4.8500e-003		192.2287

Total	**0.0707**	**0.0444**	**0.6250**	**1.9300e-003**	**0.2012**	**1.4500e-003**	**0.2026**	**0.0534**	**1.3300e-003**	**0.0547**		**192.1074**	**192.1074**	**4.8500e-003**		**192.2287**

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	1.1724	12.0252	14.2116	0.0261		0.5892	0.5892		0.5429	0.5429		2,515.9257	2,515.9257	0.8054		2,536.0602
Paving	0.1072					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2796**	**12.0252**	**14.2116**	**0.0261**		**0.5892**	**0.5892**		**0.5429**	**0.5429**		**2,515.9257**	**2,515.9257**	**0.8054**		**2,536.0602**

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	0.0707	0.0444	0.6250	1.9300e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		192.1074	192.1074	4.8500e-003		192.2287
Total	**0.0707**	**0.0444**	**0.6250**	**1.9300e-003**	**0.2012**	**1.4500e-003**	**0.2026**	**0.0534**	**1.3300e-003**	**0.0547**		**192.1074**	**192.1074**	**4.8500e-003**		**192.2287**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1724	12.0252	14.2116	0.0261		0.5892	0.5892		0.5429	0.5429	0.0000	2,515.9257	2,515.9257	0.8054		2,536.0602
Paving	0.1072					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2796**	**12.0252**	**14.2116**	**0.0261**		**0.5892**	**0.5892**		**0.5429**	**0.5429**	**0.0000**	**2,515.9257**	**2,515.9257**	**0.8054**		**2,536.0602**

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	0.0707	0.0444	0.6250	1.9300e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		192.1074	192.1074	4.8500e-003		192.2287
Total	**0.0707**	**0.0444**	**0.6250**	**1.9300e-003**	**0.2012**	**1.4500e-003**	**0.2026**	**0.0534**	**1.3300e-003**	**0.0547**		**192.1074**	**192.1074**	**4.8500e-003**		**192.2287**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9892	2.3479	11.5133	0.0347	3.2172	0.0337	3.2509	0.8593	0.0317	0.8910		3,583.8253	3,583.8253	0.2103		3,589.0837
Unmitigated	0.9892	2.3479	11.5133	0.0347	3.2172	0.0337	3.2509	0.8593	0.0317	0.8910		3,583.8253	3,583.8253	0.2103		3,589.0837

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	88.93	88.93	88.93	286,472	286,472
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	287.25	287.25	287.25	1,231,061	1,231,061
Total	376.17	376.17	376.17	1,517,533	1,517,533

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896
Parking Lot	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896
Unrefrigerated Warehouse-No Rail	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

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

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	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.2107	2.3000e-004	0.0255	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Unmitigated	4.2107	2.3000e-004	0.0255	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582

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	0.2539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3700e-003	2.3000e-004	0.0255	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Total	**4.2107**	**2.3000e-004**	**0.0255**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0546**	**0.0546**	**1.4000e-004**		**0.0582**

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	0.2539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3700e-003	2.3000e-004	0.0255	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Total	**4.2107**	**2.3000e-004**	**0.0255**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0546**	**0.0546**	**1.4000e-004**		**0.0582**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

414 South San Gabriel Boulevard

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	9.13	1000sqft	0.21	9,126.00	0
Unrefrigerated Warehouse-No Rail	190.23	1000sqft	1.08	190,232.00	0
Parking Lot	50.00	Space	0.45	20,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	9			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	513	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SCE 2018 Emission Factor

Land Use - site is 1.74 acres

Construction Phase - construction schedule provided by project applicant

Off-road Equipment -

Off-road Equipment - construction equipment list provided by project applicant

Off-road Equipment - construction equipment list provided by project applicant

Off-road Equipment - construction equipment list provided by project applicant

Off-road Equipment - construction equipment list provided by project applicant

Trips and VMT - Per project applicant, 50 hauling trips/day * 22 days of demolition = 1,100 total hauling trips

Demolition -

Grading -

Architectural Coating - SCAQMD Rule 1113 - low VOC painting

Vehicle Trips - traffic study Table 8-1

Vehicle Emission Factors - EMFAC2017 South Coast Air Basin 2022

Vehicle Emission Factors - EMFAC2017 South Coast Air Basin 2022

Vehicle Emission Factors - EMFAC2017 South Coast Air Basin 2022

Area Coating - SCAQMD Rule 1113 - low VOC painting

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Energy Mitigation -

Water Mitigation - 2019 CalGreen

Waste Mitigation - AB 341

Energy Use - The project would have any natural gas usage.

Area Mitigation - SCAQMD Rule 445

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	1,200.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	200.00	321.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	4.00	44.00
tblConstructionPhase	NumDays	10.00	11.00
tblEnergyUse	NT24NG	0.39	0.00

tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24NG	10.02	0.00
tblEnergyUse	T24NG	0.84	0.00
tblGrading	AcresOfGrading	121.00	123.75
tblGrading	MaterialExported	0.00	15,300.00
tblLandUse	LandUseSquareFeet	9,130.00	9,126.00
tblLandUse	LandUseSquareFeet	190,230.00	190,232.00
tblLandUse	LotAcreage	4.37	1.08
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripNumber	53.00	1,100.00
tblTripsAndVMT	WorkerTripNumber	20.00	18.00
tblVehicleEF	HHD	0.67	0.03
tblVehicleEF	HHD	0.10	0.09
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	2.43	6.09
tblVehicleEF	HHD	1.04	0.57
tblVehicleEF	HHD	3.01	7.9670e-003
tblVehicleEF	HHD	4,575.00	1,143.93
tblVehicleEF	HHD	1,616.40	1,458.82

tblVehicleEF	HHD	9.63	0.07
tblVehicleEF	HHD	19.99	6.15
tblVehicleEF	HHD	3.61	3.41
tblVehicleEF	HHD	19.66	2.11
tblVehicleEF	HHD	0.01	3.7250e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.1000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.5640e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8000e-003	8.8590e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	7.5000e-005	1.0000e-006
tblVehicleEF	HHD	1.0100e-004	6.0000e-006
tblVehicleEF	HHD	4.2560e-003	2.2300e-004
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tblVehicleEF	HHD	7.3000e-005	4.0000e-006
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tblVehicleEF	HHD	3.5800e-004	1.1680e-003
tblVehicleEF	HHD	0.07	2.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.4600e-004	1.0000e-006
tblVehicleEF	HHD	1.0100e-004	6.0000e-006
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tblVehicleEF	HHD	7.3000e-005	4.0000e-006
tblVehicleEF	HHD	0.24	0.17
tblVehicleEF	HHD	3.5800e-004	1.1680e-003

tblVehicleEF	HHD	0.08	3.0000e-006
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tblVehicleEF	HHD	0.10	0.09
tblVehicleEF	HHD	0.08	0.00
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8000e-003	8.8590e-003
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tblVehicleEF	HHD	1.5900e-004	1.0000e-005
tblVehicleEF	HHD	4.4210e-003	2.3200e-004
tblVehicleEF	HHD	0.57	0.46
tblVehicleEF	HHD	1.1200e-004	7.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	3.5000e-004	1.1580e-003
tblVehicleEF	HHD	0.07	2.0000e-006

tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
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tblVehicleEF	HHD	0.08	3.0000e-006
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tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	3.34	6.27
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tblVehicleEF	HHD	19.10	6.40
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tblVehicleEF	HHD	19.66	2.11
tblVehicleEF	HHD	0.02	4.3670e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
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tblVehicleEF	HHD	8.1000e-005	1.0000e-006
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tblVehicleEF	HHD	8.8000e-003	8.8590e-003

tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	7.5000e-005	1.0000e-006
tblVehicleEF	HHD	9.9000e-005	6.0000e-006
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tblVehicleEF	HHD	0.01	0.01
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tblVehicleEF	HHD	7.2000e-005	4.0000e-006
tblVehicleEF	HHD	0.24	0.17
tblVehicleEF	HHD	3.8800e-004	1.2390e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	LDA	4.7320e-003	2.7500e-003
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tblVehicleEF	LDA	1.10	2.09
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tblVehicleEF	LDA	56.84	53.17
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tblVehicleEF	LDA	2.0810e-003	1.6930e-003
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tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
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tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.07

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tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.21
tblVehicleEF	LDA	4.6390e-003	2.6930e-003
tblVehicleEF	LDA	5.2220e-003	0.05
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tblVehicleEF	LDA	1.13	2.15
tblVehicleEF	LDA	260.28	261.84
tblVehicleEF	LDA	56.84	53.28
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.0040e-003	1.6890e-003
tblVehicleEF	LDA	2.2630e-003	1.8410e-003
tblVehicleEF	LDA	1.8470e-003	1.5560e-003
tblVehicleEF	LDA	2.0810e-003	1.6930e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.07	0.22
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tblVehicleEF	LDT1	0.17	0.70
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tblVehicleEF	LDT1	0.27	0.20
tblVehicleEF	LDT1	0.11	0.11

tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.17	0.70
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tblVehicleEF	LDT1	3.4030e-003	2.6250e-003
tblVehicleEF	LDT1	2.9030e-003	2.3170e-003
tblVehicleEF	LDT1	3.1300e-003	2.4130e-003
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.29	0.22
tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.16	0.65
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tblVehicleEF	LDT1	7.3900e-004	6.2200e-004
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tblVehicleEF	LDT1	0.29	0.22
tblVehicleEF	LDT1	0.16	0.16
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.18	0.35
tblVehicleEF	LDT1	0.01	7.0380e-003

tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.46	1.34
tblVehicleEF	LDT1	2.85	2.34
tblVehicleEF	LDT1	324.92	309.80
tblVehicleEF	LDT1	69.73	63.69
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.1530e-003	2.5180e-003
tblVehicleEF	LDT1	3.4030e-003	2.6250e-003
tblVehicleEF	LDT1	2.9030e-003	2.3170e-003
tblVehicleEF	LDT1	3.1300e-003	2.4130e-003
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tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.20	0.37
tblVehicleEF	LDT1	3.2670e-003	3.0660e-003
tblVehicleEF	LDT1	7.4700e-004	6.3000e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.31	0.23
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	6.5030e-003	4.5360e-003
tblVehicleEF	LDT2	6.3830e-003	0.07
tblVehicleEF	LDT2	0.79	0.97
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	369.75	336.48

tblVehicleEF	LDT2	78.41	68.59
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	1.9980e-003	1.7730e-003
tblVehicleEF	LDT2	2.3340e-003	1.8630e-003
tblVehicleEF	LDT2	1.8370e-003	1.6320e-003
tblVehicleEF	LDT2	2.1460e-003	1.7130e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.7040e-003	3.3290e-003
tblVehicleEF	LDT2	8.0700e-004	6.7900e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	6.9410e-003	4.8630e-003
tblVehicleEF	LDT2	5.6550e-003	0.06
tblVehicleEF	LDT2	0.88	1.07
tblVehicleEF	LDT2	1.16	2.26
tblVehicleEF	LDT2	388.22	349.62
tblVehicleEF	LDT2	78.41	67.85
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	1.9980e-003	1.7730e-003

tblVehicleEF	LDT2	2.3340e-003	1.8630e-003
tblVehicleEF	LDT2	1.8370e-003	1.6320e-003
tblVehicleEF	LDT2	2.1460e-003	1.7130e-003
tblVehicleEF	LDT2	0.07	0.12
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.8890e-003	3.4590e-003
tblVehicleEF	LDT2	8.0300e-004	6.7100e-004
tblVehicleEF	LDT2	0.07	0.12
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.30
tblVehicleEF	LDT2	6.3770e-003	4.4460e-003
tblVehicleEF	LDT2	6.5100e-003	0.07
tblVehicleEF	LDT2	0.77	0.94
tblVehicleEF	LDT2	1.39	2.72
tblVehicleEF	LDT2	363.95	332.31
tblVehicleEF	LDT2	78.41	68.72
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	1.9980e-003	1.7730e-003
tblVehicleEF	LDT2	2.3340e-003	1.8630e-003
tblVehicleEF	LDT2	1.8370e-003	1.6320e-003
tblVehicleEF	LDT2	2.1460e-003	1.7130e-003
tblVehicleEF	LDT2	0.05	0.07

tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.6450e-003	3.2880e-003
tblVehicleEF	LDT2	8.0700e-004	6.8000e-004
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.4900e-003	5.4590e-003
tblVehicleEF	LHD1	0.01	5.3890e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.82	0.63
tblVehicleEF	LHD1	2.61	1.08
tblVehicleEF	LHD1	9.01	9.00
tblVehicleEF	LHD1	602.57	659.71
tblVehicleEF	LHD1	32.53	12.03
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.18	0.79
tblVehicleEF	LHD1	1.00	0.33
tblVehicleEF	LHD1	8.5900e-004	7.9700e-004
tblVehicleEF	LHD1	0.01	9.7310e-003
tblVehicleEF	LHD1	0.01	7.1580e-003
tblVehicleEF	LHD1	9.5300e-004	2.6700e-004
tblVehicleEF	LHD1	8.2200e-004	7.6200e-004

tblVehicleEF	LHD1	2.5220e-003	2.4330e-003
tblVehicleEF	LHD1	9.6600e-003	6.8210e-003
tblVehicleEF	LHD1	8.7600e-004	2.4500e-004
tblVehicleEF	LHD1	3.1050e-003	2.5050e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8470e-003	1.4950e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.52
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	5.9150e-003	6.4390e-003
tblVehicleEF	LHD1	3.7400e-004	1.1900e-004
tblVehicleEF	LHD1	3.1050e-003	2.5050e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8470e-003	1.4950e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.52
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.4900e-003	5.4710e-003
tblVehicleEF	LHD1	0.01	5.4940e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.64
tblVehicleEF	LHD1	2.49	1.04
tblVehicleEF	LHD1	9.01	9.00
tblVehicleEF	LHD1	602.57	659.73
tblVehicleEF	LHD1	32.53	11.94
tblVehicleEF	LHD1	0.07	0.06

tblVehicleEF	LHD1	1.11	0.74
tblVehicleEF	LHD1	0.95	0.31
tblVehicleEF	LHD1	8.5900e-004	7.9700e-004
tblVehicleEF	LHD1	0.01	9.7310e-003
tblVehicleEF	LHD1	0.01	7.1580e-003
tblVehicleEF	LHD1	9.5300e-004	2.6700e-004
tblVehicleEF	LHD1	8.2200e-004	7.6200e-004
tblVehicleEF	LHD1	2.5220e-003	2.4330e-003
tblVehicleEF	LHD1	9.6600e-003	6.8210e-003
tblVehicleEF	LHD1	8.7600e-004	2.4500e-004
tblVehicleEF	LHD1	4.7620e-003	3.8280e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.7490e-003	2.2150e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.30	0.51
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	5.9150e-003	6.4390e-003
tblVehicleEF	LHD1	3.7200e-004	1.1800e-004
tblVehicleEF	LHD1	4.7620e-003	3.8280e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.7490e-003	2.2150e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.51
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	5.4900e-003	5.4570e-003
tblVehicleEF	LHD1	0.01	5.3670e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.82	0.63
tblVehicleEF	LHD1	2.62	1.09
tblVehicleEF	LHD1	9.01	9.00
tblVehicleEF	LHD1	602.57	659.70
tblVehicleEF	LHD1	32.53	12.04
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	1.16	0.77
tblVehicleEF	LHD1	1.00	0.33
tblVehicleEF	LHD1	8.5900e-004	7.9700e-004
tblVehicleEF	LHD1	0.01	9.7310e-003
tblVehicleEF	LHD1	0.01	7.1580e-003
tblVehicleEF	LHD1	9.5300e-004	2.6700e-004
tblVehicleEF	LHD1	8.2200e-004	7.6200e-004
tblVehicleEF	LHD1	2.5220e-003	2.4330e-003
tblVehicleEF	LHD1	9.6600e-003	6.8210e-003
tblVehicleEF	LHD1	8.7600e-004	2.4500e-004
tblVehicleEF	LHD1	3.2410e-003	2.6270e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8470e-003	1.4960e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.56
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.7000e-005
tblVehicleEF	LHD1	5.9150e-003	6.4390e-003
tblVehicleEF	LHD1	3.7400e-004	1.1900e-004
tblVehicleEF	LHD1	3.2410e-003	2.6270e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03

tblVehicleEF	LHD1	1.8470e-003	1.4960e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.56
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD2	3.9190e-003	3.8250e-003
tblVehicleEF	LHD2	4.1770e-003	3.7880e-003
tblVehicleEF	LHD2	8.3290e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.36	0.43
tblVehicleEF	LHD2	1.31	0.72
tblVehicleEF	LHD2	13.72	13.69
tblVehicleEF	LHD2	614.85	663.08
tblVehicleEF	LHD2	27.18	9.22
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.79	0.95
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1860e-003	1.2750e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.4880e-003	0.01
tblVehicleEF	LHD2	4.4600e-004	1.4900e-004
tblVehicleEF	LHD2	1.1350e-003	1.2200e-003
tblVehicleEF	LHD2	2.6600e-003	2.6420e-003
tblVehicleEF	LHD2	9.0640e-003	0.01
tblVehicleEF	LHD2	4.1000e-004	1.3700e-004
tblVehicleEF	LHD2	1.1420e-003	1.5000e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3400e-004	9.1700e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.32

tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3100e-004
tblVehicleEF	LHD2	5.9900e-003	6.4150e-003
tblVehicleEF	LHD2	2.9600e-004	9.1000e-005
tblVehicleEF	LHD2	1.1420e-003	1.5000e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3400e-004	9.1700e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.32
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.9190e-003	3.8330e-003
tblVehicleEF	LHD2	4.2300e-003	3.8280e-003
tblVehicleEF	LHD2	8.0420e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.36	0.44
tblVehicleEF	LHD2	1.25	0.69
tblVehicleEF	LHD2	13.72	13.69
tblVehicleEF	LHD2	614.85	663.09
tblVehicleEF	LHD2	27.18	9.16
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.75	0.89
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1860e-003	1.2750e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.4880e-003	0.01
tblVehicleEF	LHD2	4.4600e-004	1.4900e-004
tblVehicleEF	LHD2	1.1350e-003	1.2200e-003
tblVehicleEF	LHD2	2.6600e-003	2.6420e-003
tblVehicleEF	LHD2	9.0640e-003	0.01

tblVehicleEF	LHD2	4.1000e-004	1.3700e-004
tblVehicleEF	LHD2	1.7400e-003	2.2800e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0770e-003	1.3480e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.31
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3100e-004
tblVehicleEF	LHD2	5.9900e-003	6.4150e-003
tblVehicleEF	LHD2	2.9400e-004	9.1000e-005
tblVehicleEF	LHD2	1.7400e-003	2.2800e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0770e-003	1.3480e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.31
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.9190e-003	3.8240e-003
tblVehicleEF	LHD2	4.1650e-003	3.7790e-003
tblVehicleEF	LHD2	8.3690e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.36	0.43
tblVehicleEF	LHD2	1.31	0.72
tblVehicleEF	LHD2	13.72	13.69
tblVehicleEF	LHD2	614.85	663.08
tblVehicleEF	LHD2	27.18	9.23
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.78	0.93
tblVehicleEF	LHD2	0.55	0.23

tblVehicleEF	LHD2	1.1860e-003	1.2750e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.4880e-003	0.01
tblVehicleEF	LHD2	4.4600e-004	1.4900e-004
tblVehicleEF	LHD2	1.1350e-003	1.2200e-003
tblVehicleEF	LHD2	2.6600e-003	2.6420e-003
tblVehicleEF	LHD2	9.0640e-003	0.01
tblVehicleEF	LHD2	4.1000e-004	1.3700e-004
tblVehicleEF	LHD2	1.1570e-003	1.5440e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2200e-004	9.0300e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.09	0.35
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3400e-004	1.3100e-004
tblVehicleEF	LHD2	5.9900e-003	6.4150e-003
tblVehicleEF	LHD2	2.9600e-004	9.1000e-005
tblVehicleEF	LHD2	1.1570e-003	1.5440e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2200e-004	9.0300e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.35
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.51	0.37
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.80	19.01
tblVehicleEF	MCY	9.65	8.52
tblVehicleEF	MCY	183.48	219.38

tblVehicleEF	MCY	44.84	59.81
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2940e-003	2.2850e-003
tblVehicleEF	MCY	3.7680e-003	3.2030e-003
tblVehicleEF	MCY	2.1440e-003	2.1360e-003
tblVehicleEF	MCY	3.5480e-003	3.0150e-003
tblVehicleEF	MCY	1.14	1.16
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.68	0.69
tblVehicleEF	MCY	2.48	2.50
tblVehicleEF	MCY	0.62	1.96
tblVehicleEF	MCY	2.05	1.82
tblVehicleEF	MCY	2.2170e-003	2.1710e-003
tblVehicleEF	MCY	6.6700e-004	5.9200e-004
tblVehicleEF	MCY	1.14	1.16
tblVehicleEF	MCY	0.67	0.69
tblVehicleEF	MCY	0.68	0.69
tblVehicleEF	MCY	3.09	3.10
tblVehicleEF	MCY	0.62	1.96
tblVehicleEF	MCY	2.23	1.98
tblVehicleEF	MCY	0.50	0.36
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.21	18.41
tblVehicleEF	MCY	8.85	7.78
tblVehicleEF	MCY	183.48	218.21
tblVehicleEF	MCY	44.84	57.95
tblVehicleEF	MCY	0.98	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2940e-003	2.2850e-003

tblVehicleEF	MCY	3.7680e-003	3.2030e-003
tblVehicleEF	MCY	2.1440e-003	2.1360e-003
tblVehicleEF	MCY	3.5480e-003	3.0150e-003
tblVehicleEF	MCY	1.89	1.91
tblVehicleEF	MCY	0.77	0.79
tblVehicleEF	MCY	1.19	1.20
tblVehicleEF	MCY	2.43	2.44
tblVehicleEF	MCY	0.59	1.86
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2060e-003	2.1590e-003
tblVehicleEF	MCY	6.4700e-004	5.7300e-004
tblVehicleEF	MCY	1.89	1.91
tblVehicleEF	MCY	0.77	0.79
tblVehicleEF	MCY	1.19	1.20
tblVehicleEF	MCY	3.02	3.03
tblVehicleEF	MCY	0.59	1.86
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.51	0.37
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.82	19.04
tblVehicleEF	MCY	9.73	8.60
tblVehicleEF	MCY	183.48	219.44
tblVehicleEF	MCY	44.84	60.03
tblVehicleEF	MCY	1.10	1.10
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.2940e-003	2.2850e-003
tblVehicleEF	MCY	3.7680e-003	3.2030e-003
tblVehicleEF	MCY	2.1440e-003	2.1360e-003
tblVehicleEF	MCY	3.5480e-003	3.0150e-003
tblVehicleEF	MCY	1.26	1.27

tblVehicleEF	MCY	0.87	0.89
tblVehicleEF	MCY	0.67	0.68
tblVehicleEF	MCY	2.49	2.51
tblVehicleEF	MCY	0.71	2.26
tblVehicleEF	MCY	2.08	1.85
tblVehicleEF	MCY	2.2180e-003	2.1720e-003
tblVehicleEF	MCY	6.6900e-004	5.9400e-004
tblVehicleEF	MCY	1.26	1.27
tblVehicleEF	MCY	0.87	0.89
tblVehicleEF	MCY	0.67	0.68
tblVehicleEF	MCY	3.10	3.11
tblVehicleEF	MCY	0.71	2.26
tblVehicleEF	MCY	2.27	2.01
tblVehicleEF	MDV	0.01	5.8890e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.28	1.14
tblVehicleEF	MDV	2.55	3.09
tblVehicleEF	MDV	499.94	414.37
tblVehicleEF	MDV	104.42	83.83
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.23	0.35
tblVehicleEF	MDV	2.1490e-003	1.9060e-003
tblVehicleEF	MDV	2.4500e-003	2.0100e-003
tblVehicleEF	MDV	1.9810e-003	1.7570e-003
tblVehicleEF	MDV	2.2530e-003	1.8480e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.44

tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.0080e-003	4.0970e-003
tblVehicleEF	MDV	1.0890e-003	8.3000e-004
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.44
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.3090e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.42	1.26
tblVehicleEF	MDV	2.17	2.62
tblVehicleEF	MDV	524.64	428.52
tblVehicleEF	MDV	104.42	82.94
tblVehicleEF	MDV	0.12	0.09
tblVehicleEF	MDV	0.21	0.32
tblVehicleEF	MDV	2.1490e-003	1.9060e-003
tblVehicleEF	MDV	2.4500e-003	2.0100e-003
tblVehicleEF	MDV	1.9810e-003	1.7570e-003
tblVehicleEF	MDV	2.2530e-003	1.8480e-003
tblVehicleEF	MDV	0.12	0.14
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.11	0.13
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.41
tblVehicleEF	MDV	0.17	0.35
tblVehicleEF	MDV	5.2560e-003	4.2370e-003
tblVehicleEF	MDV	1.0820e-003	8.2100e-004
tblVehicleEF	MDV	0.12	0.14

tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.11	0.13
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.41
tblVehicleEF	MDV	0.19	0.39
tblVehicleEF	MDV	0.01	5.7730e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.24	1.10
tblVehicleEF	MDV	2.61	3.17
tblVehicleEF	MDV	492.31	410.00
tblVehicleEF	MDV	104.42	83.98
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	0.23	0.35
tblVehicleEF	MDV	2.1490e-003	1.9060e-003
tblVehicleEF	MDV	2.4500e-003	2.0100e-003
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tblVehicleEF	MDV	2.2530e-003	1.8480e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.20	0.41
tblVehicleEF	MDV	4.9310e-003	4.0530e-003
tblVehicleEF	MDV	1.0900e-003	8.3100e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.50

tblVehicleEF	MDV	0.22	0.45
tblVehicleEF	MH	0.03	9.7260e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.16	1.16
tblVehicleEF	MH	5.62	2.08
tblVehicleEF	MH	1,106.35	1,481.03
tblVehicleEF	MH	59.31	18.86
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tblVehicleEF	MH	0.79	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.0820e-003	2.6300e-004
tblVehicleEF	MH	3.2160e-003	3.2660e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.9500e-004	2.4200e-004
tblVehicleEF	MH	1.02	0.88
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	1.38
tblVehicleEF	MH	0.32	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9100e-004	1.8700e-004
tblVehicleEF	MH	1.02	0.88
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.38
tblVehicleEF	MH	0.35	0.10
tblVehicleEF	MH	0.03	9.9510e-003

tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.23	1.19
tblVehicleEF	MH	5.28	1.96
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tblVehicleEF	MH	1.12	1.16
tblVehicleEF	MH	0.76	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.0820e-003	2.6300e-004
tblVehicleEF	MH	3.2160e-003	3.2660e-003
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tblVehicleEF	MH	9.9500e-004	2.4200e-004
tblVehicleEF	MH	1.55	1.33
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.64	0.55
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.36
tblVehicleEF	MH	0.31	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.8500e-004	1.8500e-004
tblVehicleEF	MH	1.55	1.33
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.64	0.55
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.36
tblVehicleEF	MH	0.34	0.10
tblVehicleEF	MH	0.03	9.6770e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.15	1.15

tblVehicleEF	MH	5.66	2.09
tblVehicleEF	MH	1,106.35	1,481.02
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tblVehicleEF	MH	0.80	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
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tblVehicleEF	MH	3.2160e-003	3.2660e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.9500e-004	2.4200e-004
tblVehicleEF	MH	1.15	0.98
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tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.32	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9200e-004	1.8700e-004
tblVehicleEF	MH	1.15	0.98
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.44	0.37
tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.35	0.10
tblVehicleEF	MHD	0.02	4.1880e-003
tblVehicleEF	MHD	4.1360e-003	4.0170e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.36	0.38
tblVehicleEF	MHD	0.32	0.41

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tblVehicleEF	MHD	10.60	1.31
tblVehicleEF	MHD	2.4600e-004	1.0680e-003
tblVehicleEF	MHD	5.0820e-003	0.03
tblVehicleEF	MHD	7.9200e-004	1.2100e-004
tblVehicleEF	MHD	2.3500e-004	1.0210e-003
tblVehicleEF	MHD	4.8580e-003	0.03
tblVehicleEF	MHD	7.2800e-004	1.1100e-004
tblVehicleEF	MHD	1.1040e-003	5.7600e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0500e-004	3.6800e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.35	0.06
tblVehicleEF	MHD	1.3590e-003	6.1400e-004
tblVehicleEF	MHD	0.01	9.9730e-003
tblVehicleEF	MHD	6.9900e-004	1.1100e-004
tblVehicleEF	MHD	1.1040e-003	5.7600e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.0500e-004	3.6800e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.38	0.06

tblVehicleEF	MHD	0.02	3.9710e-003
tblVehicleEF	MHD	4.1930e-003	4.0580e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.26	0.31
tblVehicleEF	MHD	0.33	0.41
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tblVehicleEF	MHD	149.51	65.42
tblVehicleEF	MHD	1,137.96	1,044.13
tblVehicleEF	MHD	59.88	11.14
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tblVehicleEF	MHD	1.04	1.48
tblVehicleEF	MHD	10.56	1.31
tblVehicleEF	MHD	2.0700e-004	9.0200e-004
tblVehicleEF	MHD	5.0820e-003	0.03
tblVehicleEF	MHD	7.9200e-004	1.2100e-004
tblVehicleEF	MHD	1.9800e-004	8.6300e-004
tblVehicleEF	MHD	4.8580e-003	0.03
tblVehicleEF	MHD	7.2800e-004	1.1100e-004
tblVehicleEF	MHD	1.6790e-003	8.7500e-004
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0380e-003	5.4100e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.12
tblVehicleEF	MHD	0.34	0.06
tblVehicleEF	MHD	1.4370e-003	6.2200e-004
tblVehicleEF	MHD	0.01	9.9730e-003
tblVehicleEF	MHD	6.9400e-004	1.1000e-004
tblVehicleEF	MHD	1.6790e-003	8.7500e-004
tblVehicleEF	MHD	0.05	0.02

tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0380e-003	5.4100e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.12
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tblVehicleEF	MHD	0.32	0.41
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tblVehicleEF	MHD	5.0820e-003	0.03
tblVehicleEF	MHD	7.9200e-004	1.2100e-004
tblVehicleEF	MHD	2.8600e-004	1.2400e-003
tblVehicleEF	MHD	4.8580e-003	0.03
tblVehicleEF	MHD	7.2800e-004	1.1100e-004
tblVehicleEF	MHD	1.1390e-003	5.9400e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0000e-004	3.6500e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.35	0.06

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tblVehicleEF	MHD	0.01	9.9730e-003
tblVehicleEF	MHD	7.0000e-004	1.1100e-004
tblVehicleEF	MHD	1.1390e-003	5.9400e-004
tblVehicleEF	MHD	0.05	0.02
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.0000e-004	3.6500e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.13
tblVehicleEF	MHD	0.39	0.06
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tblVehicleEF	OBUS	7.7030e-003	6.9180e-003
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tblVehicleEF	OBUS	0.28	0.57
tblVehicleEF	OBUS	0.53	0.79
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tblVehicleEF	OBUS	2.42	0.73
tblVehicleEF	OBUS	1.0100e-004	7.4100e-004
tblVehicleEF	OBUS	7.0660e-003	0.02
tblVehicleEF	OBUS	8.3000e-004	2.0000e-004
tblVehicleEF	OBUS	9.7000e-005	7.0900e-004
tblVehicleEF	OBUS	6.7440e-003	0.02
tblVehicleEF	OBUS	7.6300e-004	1.8400e-004
tblVehicleEF	OBUS	1.5080e-003	1.9450e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.8700e-004	9.7400e-004
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tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	9.8000e-004	8.4700e-004
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tblVehicleEF	OBUS	7.0660e-003	0.02
tblVehicleEF	OBUS	8.3000e-004	2.0000e-004

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tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.7900e-004	9.7100e-004
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tblVehicleEF	OBUS	0.04	0.28
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tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.7900e-004	9.7100e-004
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.28
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tblVehicleEF	SBUS	0.84	0.07
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5300e-004	5.5000e-005
tblVehicleEF	SBUS	9.0830e-003	4.1170e-003
tblVehicleEF	SBUS	2.6870e-003	2.6620e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	6.9200e-004	5.0000e-005
tblVehicleEF	SBUS	3.5580e-003	1.1110e-003
tblVehicleEF	SBUS	0.03	9.3360e-003
tblVehicleEF	SBUS	0.95	0.35
tblVehicleEF	SBUS	1.8470e-003	5.7700e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.4040e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.6700e-004	5.8000e-005
tblVehicleEF	SBUS	3.5580e-003	1.1110e-003
tblVehicleEF	SBUS	0.03	9.3360e-003
tblVehicleEF	SBUS	1.37	0.50
tblVehicleEF	SBUS	1.8470e-003	5.7700e-004
tblVehicleEF	SBUS	0.13	0.12

tblVehicleEF	SBUS	0.01	0.06
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	8.0350e-003
tblVehicleEF	SBUS	0.06	6.1800e-003
tblVehicleEF	SBUS	7.83	2.95
tblVehicleEF	SBUS	0.76	0.70
tblVehicleEF	SBUS	5.88	0.77
tblVehicleEF	SBUS	1,183.16	365.16
tblVehicleEF	SBUS	1,092.38	1,105.27
tblVehicleEF	SBUS	53.92	5.53
tblVehicleEF	SBUS	9.65	3.39
tblVehicleEF	SBUS	4.04	4.68
tblVehicleEF	SBUS	12.32	0.81
tblVehicleEF	SBUS	8.0030e-003	3.6350e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5300e-004	5.5000e-005
tblVehicleEF	SBUS	7.6570e-003	3.4770e-003
tblVehicleEF	SBUS	2.6870e-003	2.6620e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	6.9200e-004	5.0000e-005
tblVehicleEF	SBUS	5.4390e-003	1.6990e-003
tblVehicleEF	SBUS	0.03	9.5450e-003
tblVehicleEF	SBUS	0.94	0.35
tblVehicleEF	SBUS	2.8200e-003	8.8000e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.04
tblVehicleEF	SBUS	0.01	3.4860e-003

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.4200e-004	5.5000e-005
tblVehicleEF	SBUS	5.4390e-003	1.6990e-003
tblVehicleEF	SBUS	0.03	9.5450e-003
tblVehicleEF	SBUS	1.36	0.50
tblVehicleEF	SBUS	2.8200e-003	8.8000e-004
tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.9180e-003
tblVehicleEF	SBUS	0.07	7.1870e-003
tblVehicleEF	SBUS	8.11	3.04
tblVehicleEF	SBUS	0.75	0.69
tblVehicleEF	SBUS	7.59	0.99
tblVehicleEF	SBUS	1,060.69	344.70
tblVehicleEF	SBUS	1,092.38	1,105.24
tblVehicleEF	SBUS	53.92	5.91
tblVehicleEF	SBUS	8.94	3.21
tblVehicleEF	SBUS	4.21	4.88
tblVehicleEF	SBUS	12.36	0.82
tblVehicleEF	SBUS	0.01	5.2270e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5300e-004	5.5000e-005
tblVehicleEF	SBUS	0.01	5.0010e-003
tblVehicleEF	SBUS	2.6870e-003	2.6620e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	6.9200e-004	5.0000e-005
tblVehicleEF	SBUS	3.5530e-003	1.1060e-003

tblVehicleEF	SBUS	0.03	9.7940e-003
tblVehicleEF	SBUS	0.95	0.35
tblVehicleEF	SBUS	1.8150e-003	5.6800e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.40	0.04
tblVehicleEF	SBUS	0.01	3.2920e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7000e-004	5.8000e-005
tblVehicleEF	SBUS	3.5530e-003	1.1060e-003
tblVehicleEF	SBUS	0.03	9.7940e-003
tblVehicleEF	SBUS	1.37	0.50
tblVehicleEF	SBUS	1.8150e-003	5.6800e-004
tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	0.02	0.07
tblVehicleEF	SBUS	0.44	0.05
tblVehicleEF	UBUS	2.39	5.46
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	10.55	42.46
tblVehicleEF	UBUS	10.24	0.96
tblVehicleEF	UBUS	1,926.89	1,962.12
tblVehicleEF	UBUS	109.62	11.80
tblVehicleEF	UBUS	8.58	0.45
tblVehicleEF	UBUS	14.69	0.12
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.11	3.0150e-003
tblVehicleEF	UBUS	1.1690e-003	6.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.6070e-003

tblVehicleEF	UBUS	0.10	2.8800e-003
tblVehicleEF	UBUS	1.0750e-003	5.6000e-005
tblVehicleEF	UBUS	4.9850e-003	9.9400e-004
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	2.8390e-003	7.7800e-004
tblVehicleEF	UBUS	0.76	0.08
tblVehicleEF	UBUS	0.03	0.08
tblVehicleEF	UBUS	0.79	0.07
tblVehicleEF	UBUS	9.6440e-003	2.3660e-003
tblVehicleEF	UBUS	1.2810e-003	1.1700e-004
tblVehicleEF	UBUS	4.9850e-003	9.9400e-004
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	2.8390e-003	7.7800e-004
tblVehicleEF	UBUS	3.23	5.57
tblVehicleEF	UBUS	0.03	0.08
tblVehicleEF	UBUS	0.86	0.07
tblVehicleEF	UBUS	2.39	5.46
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	10.60	42.46
tblVehicleEF	UBUS	8.88	0.84
tblVehicleEF	UBUS	1,926.89	1,962.13
tblVehicleEF	UBUS	109.62	11.60
tblVehicleEF	UBUS	8.08	0.45
tblVehicleEF	UBUS	14.63	0.12
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.11	3.0150e-003
tblVehicleEF	UBUS	1.1690e-003	6.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.6070e-003

tblVehicleEF	UBUS	0.10	2.8800e-003
tblVehicleEF	UBUS	1.0750e-003	5.6000e-005
tblVehicleEF	UBUS	7.3050e-003	1.4670e-003
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	4.1800e-003	1.1210e-003
tblVehicleEF	UBUS	0.77	0.08
tblVehicleEF	UBUS	0.02	0.08
tblVehicleEF	UBUS	0.72	0.06
tblVehicleEF	UBUS	9.6450e-003	2.3660e-003
tblVehicleEF	UBUS	1.2580e-003	1.1500e-004
tblVehicleEF	UBUS	7.3050e-003	1.4670e-003
tblVehicleEF	UBUS	0.08	0.01
tblVehicleEF	UBUS	4.1800e-003	1.1210e-003
tblVehicleEF	UBUS	3.25	5.57
tblVehicleEF	UBUS	0.02	0.08
tblVehicleEF	UBUS	0.79	0.07
tblVehicleEF	UBUS	2.39	5.46
tblVehicleEF	UBUS	0.06	0.02
tblVehicleEF	UBUS	10.54	42.46
tblVehicleEF	UBUS	10.42	0.98
tblVehicleEF	UBUS	1,926.89	1,962.12
tblVehicleEF	UBUS	109.62	11.83
tblVehicleEF	UBUS	8.42	0.45
tblVehicleEF	UBUS	14.70	0.12
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.11	3.0150e-003
tblVehicleEF	UBUS	1.1690e-003	6.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.6070e-003

tblVehicleEF	UBUS	0.10	2.8800e-003
tblVehicleEF	UBUS	1.0750e-003	5.6000e-005
tblVehicleEF	UBUS	5.5920e-003	9.6700e-004
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	2.9890e-003	7.4600e-004
tblVehicleEF	UBUS	0.76	0.08
tblVehicleEF	UBUS	0.03	0.10
tblVehicleEF	UBUS	0.80	0.07
tblVehicleEF	UBUS	9.6440e-003	2.3660e-003
tblVehicleEF	UBUS	1.2840e-003	1.1700e-004
tblVehicleEF	UBUS	5.5920e-003	9.6700e-004
tblVehicleEF	UBUS	0.10	0.01
tblVehicleEF	UBUS	2.9890e-003	7.4600e-004
tblVehicleEF	UBUS	3.23	5.57
tblVehicleEF	UBUS	0.03	0.10
tblVehicleEF	UBUS	0.87	0.07
tblVehicleTrips	ST_TR	2.46	9.74
tblVehicleTrips	ST_TR	1.68	1.51
tblVehicleTrips	SU_TR	1.05	9.74
tblVehicleTrips	SU_TR	1.68	1.51
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	1.68	1.51

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

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

Year	lb/day										lb/day					
2021	7.2920	84.7395	52.3212	0.1358	13.2951	3.3411	16.6363	5.6289	3.0752	8.7040	0.0000	13,561.9964	13,561.9964	3.3288	0.0000	13,645.2151
2022	47.8264	41.6232	47.2957	0.0917	1.4487	1.9795	3.4282	0.3894	1.8613	2.2508	0.0000	8,848.1815	8,848.1815	1.7942	0.0000	8,893.0357
Maximum	**47.8264**	**84.7395**	**52.3212**	**0.1358**	**13.2951**	**3.3411**	**16.6363**	**5.6289**	**3.0752**	**8.7040**	**0.0000**	**13,561.9964**	**13,561.9964**	**3.3288**	**0.0000**	**13,645.2151**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	7.2920	84.7395	52.3212	0.1358	5.7064	3.3411	9.0476	2.2967	3.0752	5.3719	0.0000	13,561.9963	13,561.9963	3.3288	0.0000	13,645.2150
2022	47.8264	41.6232	47.2957	0.0917	1.4487	1.9795	3.4282	0.3894	1.8613	2.2508	0.0000	8,848.1814	8,848.1814	1.7942	0.0000	8,893.0357
Maximum	**47.8264**	**84.7395**	**52.3212**	**0.1358**	**5.7064**	**3.3411**	**9.0476**	**2.2967**	**3.0752**	**5.3719**	**0.0000**	**13,561.9963**	**13,561.9963**	**3.3288**	**0.0000**	**13,645.2150**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**51.47**	**0.00**	**37.82**	**55.37**	**0.00**	**30.42**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.2107	2.3000e-004	0.0255	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582

Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.9892	2.3479	11.5133	0.0347	3.2172	0.0337	3.2509	0.8593	0.0317	0.8910		3,583.8253	3,583.8253	0.2103		3,589.0837
Total	**5.1998**	**2.3481**	**11.5388**	**0.0347**	**3.2172**	**0.0338**	**3.2510**	**0.8593**	**0.0318**	**0.8911**		**3,583.8798**	**3,583.8798**	**0.2105**	**0.0000**	**3,589.1419**

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	4.2107	2.3000e-004	0.0255	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.9892	2.3479	11.5133	0.0347	3.2172	0.0337	3.2509	0.8593	0.0317	0.8910		3,583.8253	3,583.8253	0.2103		3,589.0837
Total	**5.1998**	**2.3481**	**11.5388**	**0.0347**	**3.2172**	**0.0338**	**3.2510**	**0.8593**	**0.0318**	**0.8911**		**3,583.8798**	**3,583.8798**	**0.2105**	**0.0000**	**3,589.1419**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**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	7/1/2021	8/1/2021	5	22	
2	Grading	Grading	8/2/2021	9/30/2021	5	44	
3	Building Construction	Building Construction	10/1/2021	12/23/2022	5	321	
4	Architectural Coating	Architectural Coating	10/1/2022	10/31/2022	5	21	
5	Paving	Paving	11/1/2022	11/15/2022	5	11	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 123.75

Acres of Paving: 0.45

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 299,037; Non-Residential Outdoor: 99,679; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Rough Terrain Forklifts	2	8.00	100	0.40
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Demolition	Skid Steer Loaders	2	8.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Trenchers	1	8.00	78	0.50
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	6.00	187	0.41
Grading	Other General Industrial Equipment	2	8.00	88	0.34
Grading	Rubber Tired Dozers	2	6.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Other General Industrial Equipment	2	8.00	88	0.34
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Building Construction	Tractors/Loaders/Backhoes	3	6.00	97	0.37
Building Construction	Trenchers	1	8.00	78	0.50

Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	2	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	7.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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	12	30.00	0.00	1,100.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	17	43.00	0.00	1,913.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	14	91.00	36.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved 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					0.5181	0.0000	0.5181	0.0784	0.0000	0.0784			0.0000			0.0000
Off-Road	5.0632	51.5249	33.9564	0.0587		2.6288	2.6288		2.4462	2.4462		5,664.0438	5,664.0438	1.5173		5,701.9772
Total	**5.0632**	**51.5249**	**33.9564**	**0.0587**	**0.5181**	**2.6288**	**3.1468**	**0.0784**	**2.4462**	**2.5246**		**5,664.0438**	**5,664.0438**	**1.5173**		**5,701.9772**

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	0.3800	12.9641	2.8637	0.0384	0.8733	0.0404	0.9137	0.2393	0.0387	0.2780		4,166.3178	4,166.3178	0.2936		4,173.6584
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	0.1256	0.0819	1.1264	3.3300e-003	0.3353	2.4800e-003	0.3378	0.0889	2.2900e-003	0.0912		332.0695	332.0695	8.9500e-003		332.2932
Total	**0.5056**	**13.0460**	**3.9901**	**0.0417**	**1.2086**	**0.0429**	**1.2515**	**0.3282**	**0.0410**	**0.3692**		**4,498.3873**	**4,498.3873**	**0.3026**		**4,505.9517**

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					0.1920	0.0000	0.1920	0.0291	0.0000	0.0291			0.0000			0.0000
Off-Road	5.0632	51.5249	33.9564	0.0587		2.6288	2.6288		2.4462	2.4462	0.0000	5,664.0438	5,664.0438	1.5173		5,701.9772
Total	**5.0632**	**51.5249**	**33.9564**	**0.0587**	**0.1920**	**2.6288**	**2.8207**	**0.0291**	**2.4462**	**2.4752**	**0.0000**	**5,664.0438**	**5,664.0438**	**1.5173**		**5,701.9772**

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	0.3800	12.9641	2.8637	0.0384	0.8733	0.0404	0.9137	0.2393	0.0387	0.2780		4,166.3178	4,166.3178	0.2936		4,173.6584
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	0.1256	0.0819	1.1264	3.3300e-003	0.3353	2.4800e-003	0.3378	0.0889	2.2900e-003	0.0912		332.0695	332.0695	8.9500e-003		332.2932
Total	**0.5056**	**13.0460**	**3.9901**	**0.0417**	**1.2086**	**0.0429**	**1.2515**	**0.3282**	**0.0410**	**0.3692**		**4,498.3873**	**4,498.3873**	**0.3026**		**4,505.9517**

3.3 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					12.0551	0.0000	12.0551	5.2934	0.0000	5.2934			0.0000			0.0000
Off-Road	6.7816	73.3493	48.2166	0.0977		3.3024	3.3024		3.0383	3.0383		9,463.2274	9,463.2274	3.0606		9,539.7424
Total	**6.7816**	**73.3493**	**48.2166**	**0.0977**	**12.0551**	**3.3024**	**15.3576**	**5.2934**	**3.0383**	**8.3316**		**9,463.2274**	**9,463.2274**	**3.0606**		**9,539.7424**

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	0.3304	11.2729	2.4901	0.0334	0.7594	0.0351	0.7945	0.2081	0.0336	0.2417		3,622.8027	3,622.8027	0.2553		3,629.1857
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	0.1800	0.1174	1.6145	4.7800e-003	0.4806	3.5600e-003	0.4842	0.1275	3.2800e-003	0.1307		475.9663	475.9663	0.0128		476.2870
Total	**0.5104**	**11.3902**	**4.1046**	**0.0381**	**1.2400**	**0.0387**	**1.2787**	**0.3356**	**0.0369**	**0.3724**		**4,098.7690**	**4,098.7690**	**0.2682**		**4,105.4727**

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					4.4664	0.0000	4.4664	1.9612	0.0000	1.9612			0.0000			0.0000
Off-Road	6.7816	73.3493	48.2166	0.0977		3.3024	3.3024		3.0383	3.0383	0.0000	9,463.2274	9,463.2274	3.0606		9,539.7424
Total	**6.7816**	**73.3493**	**48.2166**	**0.0977**	**4.4664**	**3.3024**	**7.7689**	**1.9612**	**3.0383**	**4.9994**	**0.0000**	**9,463.2274**	**9,463.2274**	**3.0606**		**9,539.7424**

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	0.3304	11.2729	2.4901	0.0334	0.7594	0.0351	0.7945	0.2081	0.0336	0.2417		3,622.8027	3,622.8027	0.2553		3,629.1857
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	0.1800	0.1174	1.6145	4.7800e-003	0.4806	3.5600e-003	0.4842	0.1275	3.2800e-003	0.1307		475.9663	475.9663	0.0128		476.2870

Total	**0.5104**	**11.3902**	**4.1046**	**0.0381**	**1.2400**	**0.0387**	**1.2787**	**0.3356**	**0.0369**	**0.3724**		**4,098.7690**	**4,098.7690**	**0.2682**		**4,105.4727**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4099	28.5657	28.8117	0.0449		1.6126	1.6126		1.5287	1.5287		4,201.9629	4,201.9629	0.9118		4,224.7571
Total	**3.4099**	**28.5657**	**28.8117**	**0.0449**		**1.6126**	**1.6126**		**1.5287**	**1.5287**		**4,201.9629**	**4,201.9629**	**0.9118**		**4,224.7571**

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	0.1013	3.4476	0.8371	9.1100e-003	0.2304	7.0400e-003	0.2374	0.0663	6.7300e-003	0.0731		974.6775	974.6775	0.0603		976.1843
Worker	0.3808	0.2484	3.4168	0.0101	1.0172	7.5300e-003	1.0247	0.2698	6.9300e-003	0.2767		1,007.2774	1,007.2774	0.0272		1,007.9562
Total	**0.4821**	**3.6960**	**4.2539**	**0.0192**	**1.2475**	**0.0146**	**1.2621**	**0.3361**	**0.0137**	**0.3497**		**1,981.9549**	**1,981.9549**	**0.0874**		**1,984.1404**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4099	28.5657	28.8117	0.0449		1.6126	1.6126		1.5287	1.5287	0.0000	4,201.9629	4,201.9629	0.9118		4,224.7571
Total	**3.4099**	**28.5657**	**28.8117**	**0.0449**		**1.6126**	**1.6126**		**1.5287**	**1.5287**	**0.0000**	**4,201.9629**	**4,201.9629**	**0.9118**		**4,224.7571**

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	0.1013	3.4476	0.8371	9.1100e-003	0.2304	7.0400e-003	0.2374	0.0663	6.7300e-003	0.0731		974.6775	974.6775	0.0603		976.1843
Worker	0.3808	0.2484	3.4168	0.0101	1.0172	7.5300e-003	1.0247	0.2698	6.9300e-003	0.2767		1,007.2774	1,007.2774	0.0272		1,007.9562
Total	**0.4821**	**3.6960**	**4.2539**	**0.0192**	**1.2475**	**0.0146**	**1.2621**	**0.3361**	**0.0137**	**0.3497**		**1,981.9549**	**1,981.9549**	**0.0874**		**1,984.1404**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

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

Off-Road	3.0866	26.0546	28.5068	0.0449		1.3754	1.3754		1.3045	1.3045		4,202.8062	4,202.8062	0.9012		4,225.3359
Total	**3.0866**	**26.0546**	**28.5068**	**0.0449**		**1.3754**	**1.3754**		**1.3045**	**1.3045**		**4,202.8062**	**4,202.8062**	**0.9012**		**4,225.3359**

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	0.0951	3.2747	0.7926	9.0200e-003	0.2304	6.1300e-003	0.2365	0.0663	5.8600e-003	0.0722		966.1328	966.1328	0.0582		967.5879
Worker	0.3573	0.2244	3.1597	9.7400e-003	1.0172	7.3100e-003	1.0245	0.2698	6.7300e-003	0.2765		971.2095	971.2095	0.0245		971.8230
Total	**0.4523**	**3.4991**	**3.9523**	**0.0188**	**1.2475**	**0.0134**	**1.2610**	**0.3361**	**0.0126**	**0.3487**		**1,937.3423**	**1,937.3423**	**0.0827**		**1,939.4109**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0866	26.0546	28.5068	0.0449		1.3754	1.3754		1.3045	1.3045	0.0000	4,202.8061	4,202.8061	0.9012		4,225.3359
Total	**3.0866**	**26.0546**	**28.5068**	**0.0449**		**1.3754**	**1.3754**		**1.3045**	**1.3045**	**0.0000**	**4,202.8061**	**4,202.8061**	**0.9012**		**4,225.3359**

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	0.0951	3.2747	0.7926	9.0200e-003	0.2304	6.1300e-003	0.2365	0.0663	5.8600e-003	0.0722		966.1328	966.1328	0.0582		967.5879
Worker	0.3573	0.2244	3.1597	9.7400e-003	1.0172	7.3100e-003	1.0245	0.2698	6.7300e-003	0.2765		971.2095	971.2095	0.0245		971.8230
Total	**0.4523**	**3.4991**	**3.9523**	**0.0188**	**1.2475**	**0.0134**	**1.2610**	**0.3361**	**0.0126**	**0.3487**		**1,937.3423**	**1,937.3423**	**0.0827**		**1,939.4109**

3.5 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	44.0122					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	**44.2167**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

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

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0444	0.6250	1.9300e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		192.1074	192.1074	4.8500e-003		192.2287
Total	**0.0707**	**0.0444**	**0.6250**	**1.9300e-003**	**0.2012**	**1.4500e-003**	**0.2026**	**0.0534**	**1.3300e-003**	**0.0547**		**192.1074**	**192.1074**	**4.8500e-003**		**192.2287**

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	44.0122					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	**44.2167**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0444	0.6250	1.9300e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		192.1074	192.1074	4.8500e-003		192.2287

Total	**0.0707**	**0.0444**	**0.6250**	**1.9300e-003**	**0.2012**	**1.4500e-003**	**0.2026**	**0.0534**	**1.3300e-003**	**0.0547**		**192.1074**	**192.1074**	**4.8500e-003**		**192.2287**

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	1.1724	12.0252	14.2116	0.0261		0.5892	0.5892		0.5429	0.5429		2,515.9257	2,515.9257	0.8054		2,536.0602
Paving	0.1072					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2796**	**12.0252**	**14.2116**	**0.0261**		**0.5892**	**0.5892**		**0.5429**	**0.5429**		**2,515.9257**	**2,515.9257**	**0.8054**		**2,536.0602**

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	0.0707	0.0444	0.6250	1.9300e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		192.1074	192.1074	4.8500e-003		192.2287
Total	**0.0707**	**0.0444**	**0.6250**	**1.9300e-003**	**0.2012**	**1.4500e-003**	**0.2026**	**0.0534**	**1.3300e-003**	**0.0547**		**192.1074**	**192.1074**	**4.8500e-003**		**192.2287**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1724	12.0252	14.2116	0.0261		0.5892	0.5892		0.5429	0.5429	0.0000	2,515.9257	2,515.9257	0.8054		2,536.0602
Paving	0.1072					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2796**	**12.0252**	**14.2116**	**0.0261**		**0.5892**	**0.5892**		**0.5429**	**0.5429**	**0.0000**	**2,515.9257**	**2,515.9257**	**0.8054**		**2,536.0602**

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	0.0707	0.0444	0.6250	1.9300e-003	0.2012	1.4500e-003	0.2026	0.0534	1.3300e-003	0.0547		192.1074	192.1074	4.8500e-003		192.2287
Total	**0.0707**	**0.0444**	**0.6250**	**1.9300e-003**	**0.2012**	**1.4500e-003**	**0.2026**	**0.0534**	**1.3300e-003**	**0.0547**		**192.1074**	**192.1074**	**4.8500e-003**		**192.2287**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9892	2.3479	11.5133	0.0347	3.2172	0.0337	3.2509	0.8593	0.0317	0.8910		3,583.8253	3,583.8253	0.2103		3,589.0837
Unmitigated	0.9892	2.3479	11.5133	0.0347	3.2172	0.0337	3.2509	0.8593	0.0317	0.8910		3,583.8253	3,583.8253	0.2103		3,589.0837

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	88.93	88.93	88.93	286,472	286,472
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	287.25	287.25	287.25	1,231,061	1,231,061
Total	376.17	376.17	376.17	1,517,533	1,517,533

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896
Parking Lot	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896
Unrefrigerated Warehouse-No Rail	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

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

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	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.2107	2.3000e-004	0.0255	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Unmitigated	4.2107	2.3000e-004	0.0255	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582

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	0.2539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3700e-003	2.3000e-004	0.0255	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Total	**4.2107**	**2.3000e-004**	**0.0255**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0546**	**0.0546**	**1.4000e-004**		**0.0582**

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	0.2539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3700e-003	2.3000e-004	0.0255	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Total	**4.2107**	**2.3000e-004**	**0.0255**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0546**	**0.0546**	**1.4000e-004**		**0.0582**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

414 South San Gabriel Project
Energy Calculations

Existing Conditions

Land Use	Natural Gas Use		Electricity Use	
	(kBTU/yr)	(Therms)	(kWh/yr)	(MWh/yr)
General Office Building	33,261	333	40,256	40
Manufacturing	56,110	561	34,410	34
Totals	**89,371**	**894**	**74,666**	**75**

1 kBTU = 0.01 therms

Proposed Project

Land Use	Natural Gas Use		Electricity Use	
	(kBTU/yr)	(Therms)	(kWh/yr)	(MWh/yr)
General Office Building	0	0	105,953	106
Parking Lot	0		7,000	
Unrefrigerared Warehouse - no rail	0	0	704,810	705
Totals	**0**	**0**	**817,763**	**818**

Net Increase (Proposed Project - Existing Conditions)

Land Use	Natural Gas Use		Electricity Use	
	(kBTU/yr)	(Therms)	(kWh/yr)	(MWh/yr)
Totals	**-89,371**	**-894**	**743,097**	**743**

Energy Type	Project Annual Energy Consumption	Los Angeles Annual Nonresidential Energy Consumption (2018)	Percentage increase countywide
Electricity (MWh/YR)	743	47,441,210	0.0016%
Natural Gas (Therms)	-894	1,813,660,000	-0.00005%

Notes:
1. The project would have approximately 38 employees per day.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.
1. Los Angeles Employment, https://data.census.gov/cedsci/profile?g=0500000US06037&hidePreview=true&tid=ACSDP1Y2018.DP05&vintage=2018 and https://data.census.gov/cedsci/table?q=Los%20Angeles%20County,%20California&hidePreview=true&tid=ACSDP5Y2018.DP03&vintage=2018&table=DP03&g=0500000US06037 (5-year Estimates Data Profiles)

414 South San Gabriel Project
Energy Calculations

Existing Conditions

Vehicle Type	Percent of Vehicle Trips[1]	Daily Trips[2]	Annual Vehicle Miles Traveled[3]	Average Fuel Economy (miles per gallon)[4]	Total Annual Fuel Consumption (gallons)[5]
Passenger Cars	0.54	26	82,379	22	3,744
Light/Medium Trucks	0.37	17	55,931	17.3	3,233
Heavy Trucks/Other	0.09	4	12,877	6.4	2,012
TOTAL [6]	***1.00***	47	***151,187***	--	***8,990***

Notes:

1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model.
2. Daily Trips calculated by multiplying the total daily trips by percent vehicle trips (i.e., Daily Trips x percent of Vehicle Trips).
3. Daily Vehicle Miles Traveled (VMT) calculated by multiplying percent vehicle trips by total VMT (i.e., VMT x percent of Vehicle Trips).
4. Average fuel economy derived from the Department of Transportation.
5. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).
6. Values may be slightly off due to rounding.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

Proposed Project Conditions

Vehicle Type	Percent of Vehicle Trips[1]	Daily Trips[2]	Annual Vehicle Miles Traveled[3]	Average Fuel Economy (miles per gallon)[4]	Total Annual Fuel Consumption (gallons)[5]
Passenger Cars	0.54	205	826,873	22	37,585
Light/Medium Trucks	0.37	139	561,407	17.3	32,451
Heavy Trucks/Other	0.09	32	129,254	6.4	20,196
TOTAL [6]	***1.00***	376	***1,517,533***	--	***90,232***

Notes:

1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model.
2. Daily Trips calculated by multiplying the total daily trips by percent vehicle trips (i.e., Daily Trips x percent of Vehicle Trips).
3. Daily Vehicle Miles Traveled (VMT) calculated by multiplying percent vehicle trips by total VMT (i.e., VMT x percent of Vehicle Trips).
4. Average fuel economy derived from the Department of Transportation.
5. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).
6. Values may be slightly off due to rounding.

Net Project Increase

Vehicle Type	Daily Trips[2]	Annual Vehicle Miles Traveled[3]	Total Annual Fuel Consumption (gallons)[5]
TOTAL [6]	***329.00***	1,366,346	***81,243***

Notes:

414 South San Gabriel Project
Energy Calculations

WORKER TRIPS

Phase	Phase Length (# days)	# Worker Trips	Worker Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	22	30	14.7	9702		389.59
Grading	44	43	14.7	27812		1116.84
Building Construction	321	91	14.7	429402	**24.90284233**	17243.08
Architectural Coating	21	18	14.7	5557		223.13
Paving	11	18	14.7	2911		116.88
						19089.52

VENDOR TRIPS

Phase	Phase Length (# days)	# Vendor Trips	Vendor Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	22	0	6.9	0		0.00
Grading	44	0	6.9	0		0.00
Building Construction	321	36	6.9	248	**8.43886151**	29.44
Architectural Coating	21	0	6.9	0		0.00
Paving	11	0	6.9	0		0.00
						29.44

HAULING TRIPS

Phase	Phase Length (# days)	# Hauling Trips	Hauling Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)[1]	Total Fuel Consumption
Demolition	22	1100	20	22000		2635.09
Grading	44	1913	20	38260		4582.66
Building Construction	321	0	20	0	**8.34886151**	0.00
Architectural Coating	21	0	20	0		0.00
Paving	11	0	20	0		0.00
						7217.75

TOTAL OFF-SITE MOBILE GALLONS CONSUMED DURING CONSTRUCTION	**26,336.71**

414 South San Gabriel Project
Energy Calculations

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallons per hour)	Duration (total hours/day)	# days	Total Fuel Consumption (gallons)
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73	2.3652	16	22	832.55
Demolition	Rough Terrain Forklifts	2	8.00	100	0.40	1.6	16	22	563.20
Demolition	Rubber Tired Dozers	3	8.00	247	0.40	3.952	24	22	2086.66
Demolition	Skid Steer Loaders	2	8.00	65	0.37	0.962	16	22	338.62
Demolition	Tractors/Loaders/Backhoes	2	8.00	97	0.37	1.4356	16	22	505.33
Demolition	Trenchers	1	8.00	78	0.50	1.56	8	22	274.56
Grading	Excavators	3	8.00	158	0.38	2.4016	24	44	2536.09
Grading	Graders	2	6.00	187	0.41	3.0668	12	44	1619.27
Grading	Other General Industrial Equipm	2	8.00	88	0.34	1.1968	16	44	842.55
Grading	Rubber Tired Dozers	2	6.00	247	0.40	3.952	12	44	2086.66
Grading	Rubber Tired Loaders	2	8.00	203	0.36	2.9232	16	44	2057.93
Grading	Scrapers	2	8.00	367	0.48	7.0464	16	44	4960.67
Grading	Tractors/Loaders/Backhoes	3	7.00	97	0.37	1.4356	21	44	1326.49
Grading	Trenchers	1	8.00	78	0.50	1.56	8	44	549.12
Building Construction	Concrete/Industrial Saws	1	8.00	81	0.73	2.3652	8	321	6073.83
Building Construction	Other General Industrial Equipm	2	8.00	88	0.34	1.1968	16	321	6146.76
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40	1.6	8	321	4108.80
Building Construction	Tractors/Loaders/Backhoes	3	6.00	97	0.37	1.4356	18	321	8294.90
Building Construction	Trenchers	1	8.00	78	0.50	1.56	8	321	4006.08
Architectural Coating	Air Compressors	1	6.00	78	0.48	1.4976	6	21	188.70
Paving	Pavers	2	6.00	130	0.42	2.184	12	11	288.29
Paving	Paving Equipment	1	8.00	132	0.36	1.9008	8	11	167.27
Paving	Rollers	2	7.00	80	0.38	1.216	14	11	187.26
Paving	Surfacing Equipment	1	8.00	263	0.30	3.156	8	11	277.73
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37	1.4356	8	11	126.33
Paving	Cement and Mortar Mixers	1	6.00	9	0.56	0.2016	6	11	13.31
Building Construction	Cranes	1	6.00	231	0.29	2.6796	6	321	5160.91
Building Construction	Forklifts	1	6.00	89	0.20	0.712	6	321	1371.31
Building Construction	Generator Sets	1	8.00	84	0.74	2.4864	8	321	6385.08
Building Construction	Welders	3	8.00	46	0.45	0.828	24	321	6378.91
								Total:	96,092
								Off-Site Mobile Construction Total:	26,337
								TOTAL:	**122,429**

Notes:

Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor

Where:

Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.