



## **11.1A Air Quality/HRA/ GHG/Energy Analysis**

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3700 Riverside Drive - Los Angeles-South Coast County, Annual

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**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	29.00	Space	0.26	11,600.00	0
Unenclosed Parking Structure	61.00	Space	0.00	24,400.00	0
High Turnover (Sit Down Restaurant)	1.00	1000sqft	0.02	1,000.00	0
Apartments Mid Rise	49.00	Dwelling Unit	0.31	49,000.00	140
Regional Shopping Center	1.00	1000sqft	0.02	1,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	12	<b>Operational Year</b>			2022
<b>Utility Company</b>	Burbank Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	1096.12	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - total 0.61 acres

Construction Phase - per construction questionnaire

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - per construction questionnaire

Demolition - Structure dimension 25ft \* 60ft \* 16ft, per CalEEMod appendix, 1 ft2 floor space = 10 ft3 original building volume, 1 ft2 represents 0.046

Grading -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Energy Mitigation - 10% over 2019 Title 24 (30% \* 110% = 33%)

Vehicle Trips - per TIA

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Woodstoves -

Area Coating - SCAQMD Rule 1113

Water Mitigation - CALGreen Low-flow fixtures

Waste Mitigation - AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	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	5.00	21.00
tblConstructionPhase	NumDays	100.00	210.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	5.00	22.00
tblGrading	MaterialExported	0.00	9,050.00
tblLandUse	LotAcreage	0.55	0.00
tblLandUse	LotAcreage	1.29	0.31
tblTripsAndVMT	HaulingTripLength	20.00	10.00

tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblVehicleEF	HHD	0.62	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	2.47	6.32
tblVehicleEF	HHD	1.15	0.58
tblVehicleEF	HHD	3.30	9.3040e-003
tblVehicleEF	HHD	4,690.45	1,186.71
tblVehicleEF	HHD	1,639.83	1,477.44
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	20.39	6.38
tblVehicleEF	HHD	3.81	3.57
tblVehicleEF	HHD	19.54	2.07
tblVehicleEF	HHD	0.01	3.9310e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.7610e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.6800e-004
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tblVehicleEF	HHD	3.9500e-004	1.4610e-003
tblVehicleEF	HHD	0.08	3.0000e-006
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tblVehicleEF	HHD	0.02	0.01

tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.6800e-004
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tblVehicleEF	HHD	3.9500e-004	1.4610e-003
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tblVehicleEF	HHD	0.07	5.0690e-007
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tblVehicleEF	HHD	4,968.94	1,182.90
tblVehicleEF	HHD	1,639.83	1,477.44
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tblVehicleEF	HHD	8.8380e-003	8.8970e-003
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tblVehicleEF	HHD	1,639.83	1,477.44
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tblVehicleEF	HHD	19.48	6.64
tblVehicleEF	HHD	3.75	3.51
tblVehicleEF	HHD	19.55	2.07
tblVehicleEF	HHD	0.02	4.6106e-003
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	1.5656e-006

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tblVehicleEF	HHD	8.8380e-003	8.8970e-003
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tblVehicleEF	LDA	0.07	0.18
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tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
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tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
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tblVehicleEF	LDA	2.0830e-003	1.6912e-003

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tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
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tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.22
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tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.1700e-003	1.7956e-003
tblVehicleEF	LDA	2.2660e-003	1.8393e-003
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tblVehicleEF	LDA	2.0000e-003	1.6543e-003
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tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11

tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
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tblVehicleEF	LDA	5.9100e-004	5.2874e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDT1	0.02	7.7890e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.46
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	318.65
tblVehicleEF	LDT1	69.44	63.32
tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
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tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
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tblVehicleEF	LDT1	0.17	0.70
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tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
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tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	331.08
tblVehicleEF	LDT1	69.44	62.64
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tblVehicleEF	LDT1	0.15	0.24
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tblVehicleEF	LDT1	3.4320e-003	2.6328e-003
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tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
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tblVehicleEF	LDT1	3.1560e-003	2.4209e-003
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tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.17	0.32
tblVehicleEF	LDT1	3.5840e-003	3.2762e-003
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tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21

tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.65
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tblVehicleEF	LDT1	0.16	0.26
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tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4209e-003
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tblVehicleEF	LDT1	0.04	0.03
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tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05

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tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
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tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.3202e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26

tblVehicleEF	LDT2	399.04	353.53
tblVehicleEF	LDT2	78.07	67.60
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1510e-003	1.9051e-003
tblVehicleEF	LDT2	2.3580e-003	1.8881e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9790e-003	1.7535e-003
tblVehicleEF	LDT2	2.1690e-003	1.7361e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4975e-003
tblVehicleEF	LDT2	8.0000e-004	6.6897e-004
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tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8889e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	336.92
tblVehicleEF	LDT2	78.07	68.50

tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.29
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1510e-003	1.9051e-003
tblVehicleEF	LDT2	2.3580e-003	1.8881e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9790e-003	1.7535e-003
tblVehicleEF	LDT2	2.1690e-003	1.7361e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3332e-003
tblVehicleEF	LDT2	8.0400e-004	6.7791e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.5830e-003
tblVehicleEF	LHD1	0.01	5.7240e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.21

tblVehicleEF	LHD1	33.34	12.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.65
tblVehicleEF	LHD1	1.01	0.33
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5670e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5060e-003
tblVehicleEF	LHD1	3.8500e-004	1.2300e-004
tblVehicleEF	LHD1	3.1460e-003	2.5670e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.5954e-003
tblVehicleEF	LHD1	0.01	5.8424e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.67
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.23
tblVehicleEF	LHD1	33.34	12.33
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.61
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5654e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6788e-003
tblVehicleEF	LHD1	9.1270e-003	6.4418e-003
tblVehicleEF	LHD1	1.0140e-003	2.8484e-004
tblVehicleEF	LHD1	7.9000e-004	7.2381e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5160e-003	2.4197e-003
tblVehicleEF	LHD1	8.7050e-003	6.1334e-003
tblVehicleEF	LHD1	9.3300e-004	2.6190e-004
tblVehicleEF	LHD1	4.7100e-003	3.8555e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.2097e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6412e-005
tblVehicleEF	LHD1	5.9310e-003	6.5065e-003
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tblVehicleEF	LHD1	4.7100e-003	3.8555e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03

tblVehicleEF	LHD1	2.6900e-003	2.2097e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.5810e-003
tblVehicleEF	LHD1	0.01	5.6943e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.65
tblVehicleEF	LHD1	2.81	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.20
tblVehicleEF	LHD1	33.34	12.44
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.64
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5654e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6788e-003
tblVehicleEF	LHD1	9.1270e-003	6.4418e-003
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tblVehicleEF	LHD1	7.9000e-004	7.2381e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5160e-003	2.4197e-003
tblVehicleEF	LHD1	8.7050e-003	6.1334e-003
tblVehicleEF	LHD1	9.3300e-004	2.6190e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5424e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60

tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6412e-005
tblVehicleEF	LHD1	5.9300e-003	6.5063e-003
tblVehicleEF	LHD1	3.8600e-004	1.2311e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5424e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9120e-003
tblVehicleEF	LHD2	4.2980e-003	3.9650e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.76
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.56
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.65	0.84
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
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tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1380e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9205e-003
tblVehicleEF	LHD2	4.3570e-003	4.0115e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.73
tblVehicleEF	LHD2	13.57	13.45
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tblVehicleEF	LHD2	27.88	9.50
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.79
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2521e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01

tblVehicleEF	LHD2	4.6900e-004	1.6195e-004
tblVehicleEF	LHD2	1.1110e-003	1.1979e-003
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tblVehicleEF	LHD2	2.6540e-003	2.6334e-003
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tblVehicleEF	LHD2	1.6960e-003	2.3398e-003
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tblVehicleEF	LHD2	0.01	0.02
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tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
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tblVehicleEF	LHD2	6.0210e-003	6.4599e-003
tblVehicleEF	LHD2	3.0300e-004	9.4017e-005
tblVehicleEF	LHD2	1.6960e-003	2.3398e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3640e-003
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tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9103e-003
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tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.38	0.77
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.57

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tblVehicleEF	LHD2	0.64	0.82
tblVehicleEF	LHD2	0.56	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2521e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6195e-004
tblVehicleEF	LHD2	1.1110e-003	1.1979e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6540e-003	2.6334e-003
tblVehicleEF	LHD2	8.4540e-003	9.5766e-003
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tblVehicleEF	LHD2	1.1610e-003	1.6251e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4304e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2897e-004
tblVehicleEF	LHD2	6.0210e-003	6.4598e-003
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tblVehicleEF	LHD2	1.1610e-003	1.6251e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4304e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24

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tblVehicleEF	MCY	9.66	8.53
tblVehicleEF	MCY	188.92	223.45
tblVehicleEF	MCY	44.52	59.65
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.05	1.82
tblVehicleEF	MCY	2.2780e-003	2.2110e-003
tblVehicleEF	MCY	6.6300e-004	5.9000e-004
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	3.23	3.24
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.23	1.98
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.47
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.09
tblVehicleEF	MCY	44.52	57.74
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25

tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2974e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	2.2770e-003	2.2728e-003
tblVehicleEF	MCY	3.6360e-003	3.1037e-003
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.1978e-003
tblVehicleEF	MCY	6.4300e-004	5.7139e-004
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.29
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.65
tblVehicleEF	MCY	44.52	59.99
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.4360e-003	2.4320e-003

tblVehicleEF	MCY	3.8630e-003	3.2974e-003
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tblVehicleEF	MCY	2.2770e-003	2.2728e-003
tblVehicleEF	MCY	3.6360e-003	3.1037e-003
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tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.62
tblVehicleEF	MCY	0.69	2.29
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2132e-003
tblVehicleEF	MCY	6.6700e-004	5.9366e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.29
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5750e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.11
tblVehicleEF	MDV	512.22	419.24
tblVehicleEF	MDV	103.14	83.18
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14

tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1450e-003
tblVehicleEF	MDV	1.0750e-003	8.2300e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9929e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.33
tblVehicleEF	MDV	2.12	2.64
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tblVehicleEF	MDV	103.14	82.28
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0577e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.1720e-003	1.9193e-003
tblVehicleEF	MDV	2.3120e-003	1.8924e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.04	0.03

tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2720e-003
tblVehicleEF	MDV	1.0680e-003	8.1425e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4430e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	414.54
tblVehicleEF	MDV	103.14	83.37
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0577e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.1720e-003	1.9193e-003
tblVehicleEF	MDV	2.3120e-003	1.8924e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41

tblVehicleEF	MDV	5.0480e-003	4.0984e-003
tblVehicleEF	MDV	1.0760e-003	8.2506e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.24	1.21
tblVehicleEF	MH	5.78	2.15
tblVehicleEF	MH	1,130.03	1,501.21
tblVehicleEF	MH	60.43	19.42
tblVehicleEF	MH	1.08	1.11
tblVehicleEF	MH	0.80	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	0.95	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.33	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0500e-004	1.9200e-004
tblVehicleEF	MH	0.95	0.84
tblVehicleEF	MH	0.07	0.06

tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.30	1.24
tblVehicleEF	MH	5.44	2.03
tblVehicleEF	MH	1,130.03	1,501.27
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tblVehicleEF	MH	0.99	1.03
tblVehicleEF	MH	0.76	0.24
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8352e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2020e-003	3.2445e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6069e-004
tblVehicleEF	MH	1.41	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.31	0.09
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tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.12	0.08

tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.34	0.10
tblVehicleEF	MH	0.03	0.01
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tblVehicleEF	MH	2.22	1.20
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tblVehicleEF	MH	0.80	0.25
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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8352e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2020e-003	3.2445e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6069e-004
tblVehicleEF	MH	1.08	0.94
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	1.54
tblVehicleEF	MH	0.33	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0600e-004	1.9251e-004
tblVehicleEF	MH	1.08	0.94
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.54
tblVehicleEF	MH	0.36	0.11

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tblVehicleEF	MHD	4.8560e-003	4.5970e-003
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tblVehicleEF	MHD	2.3800e-004	1.0300e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2600e-004
tblVehicleEF	MHD	1.1350e-003	6.6200e-004
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tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.2600e-004
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tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.2600e-004

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tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1571e-003
tblVehicleEF	MHD	4.9280e-003	4.6495e-003
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tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.29
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3690e-004
tblVehicleEF	MHD	2.0000e-004	8.7069e-004
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tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2587e-004
tblVehicleEF	MHD	1.7000e-003	9.9254e-004
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0384e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06

tblVehicleEF	MHD	1.3550e-003	6.4812e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1802e-004
tblVehicleEF	MHD	1.7000e-003	9.9254e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0384e-004
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tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07
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tblVehicleEF	MHD	4.8360e-003	4.5808e-003
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tblVehicleEF	MHD	0.52	0.49
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tblVehicleEF	MHD	1.1790e-003	6.2931e-004
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tblVehicleEF	MHD	7.4400e-004	1.1946e-004
tblVehicleEF	MHD	1.1690e-003	6.8582e-004
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tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.1638e-004
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tblVehicleEF	OBUS	7.7220e-003	7.0170e-003
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tblVehicleEF	OBUS	0.53	0.79
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tblVehicleEF	OBUS	1,260.49	1,392.48
tblVehicleEF	OBUS	67.92	19.23
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.76
tblVehicleEF	OBUS	1.1400e-004	7.9300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004

tblVehicleEF	OBUS	1.0900e-004	7.5900e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4340e-003	1.8440e-003
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tblVehicleEF	OBUS	0.04	0.06
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tblVehicleEF	OBUS	1.4340e-003	1.8440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4300e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5405e-003
tblVehicleEF	OBUS	7.8490e-003	7.1416e-003
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tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.47
tblVehicleEF	OBUS	1,260.49	1,392.51
tblVehicleEF	OBUS	67.92	19.00
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tblVehicleEF	OBUS	2.57	0.75

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tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	OBUS	7.4200e-004	1.8131e-004
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tblVehicleEF	OBUS	0.04	0.26
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tblVehicleEF	OBUS	0.53	0.79

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tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	OBUS	0.06	0.07
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tblVehicleEF	OBUS	0.04	0.28
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tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
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tblVehicleEF	SBUS	1.7650e-003	4.8200e-004
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tblVehicleEF	SBUS	0.01	0.05
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tblVehicleEF	SBUS	1.7650e-003	4.8200e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1353e-003
tblVehicleEF	SBUS	0.06	5.5323e-003
tblVehicleEF	SBUS	8.04	2.74
tblVehicleEF	SBUS	0.73	0.60
tblVehicleEF	SBUS	5.94	0.69
tblVehicleEF	SBUS	1,171.46	359.77
tblVehicleEF	SBUS	1,079.30	1,109.69
tblVehicleEF	SBUS	55.06	4.98
tblVehicleEF	SBUS	9.50	3.29
tblVehicleEF	SBUS	3.93	4.59
tblVehicleEF	SBUS	12.09	0.87
tblVehicleEF	SBUS	7.8750e-003	3.4828e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.0715e-005
tblVehicleEF	SBUS	7.5340e-003	3.3322e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6670e-003	2.6821e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.6630e-005
tblVehicleEF	SBUS	4.9570e-003	1.3203e-003
tblVehicleEF	SBUS	0.03	7.9968e-003
tblVehicleEF	SBUS	0.97	0.32

tblVehicleEF	SBUS	2.5080e-003	6.7365e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4311e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	4.9255e-005
tblVehicleEF	SBUS	4.9570e-003	1.3203e-003
tblVehicleEF	SBUS	0.03	7.9968e-003
tblVehicleEF	SBUS	1.40	0.45
tblVehicleEF	SBUS	2.5080e-003	6.7365e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.03
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0361e-003
tblVehicleEF	SBUS	0.07	6.3620e-003
tblVehicleEF	SBUS	8.31	2.83
tblVehicleEF	SBUS	0.72	0.58
tblVehicleEF	SBUS	7.56	0.88
tblVehicleEF	SBUS	1,051.30	340.60
tblVehicleEF	SBUS	1,079.30	1,109.67
tblVehicleEF	SBUS	55.06	5.29
tblVehicleEF	SBUS	8.80	3.13
tblVehicleEF	SBUS	4.10	4.79
tblVehicleEF	SBUS	12.13	0.88
tblVehicleEF	SBUS	0.01	5.0060e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.0715e-005
tblVehicleEF	SBUS	0.01	4.7894e-003

tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6670e-003	2.6821e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.6630e-005
tblVehicleEF	SBUS	3.4320e-003	9.2014e-004
tblVehicleEF	SBUS	0.03	8.2564e-003
tblVehicleEF	SBUS	0.98	0.32
tblVehicleEF	SBUS	1.6940e-003	4.6258e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2500e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.2371e-005
tblVehicleEF	SBUS	3.4320e-003	9.2014e-004
tblVehicleEF	SBUS	0.03	8.2564e-003
tblVehicleEF	SBUS	1.41	0.46
tblVehicleEF	SBUS	1.6940e-003	4.6258e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.07
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.53
tblVehicleEF	UBUS	9.98	0.48
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003

tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	0.85	0.08
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.5580e-003
tblVehicleEF	UBUS	1.1250e-003	8.4000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	3.56	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.07
tblVehicleEF	UBUS	7.69	0.62
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.38
tblVehicleEF	UBUS	9.41	0.48
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2119e-003
tblVehicleEF	UBUS	1.0870e-003	4.5679e-005
tblVehicleEF	UBUS	0.26	0.03

tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.0699e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	5.9080e-003	8.9257e-004
tblVehicleEF	UBUS	0.07	8.7355e-003
tblVehicleEF	UBUS	3.2830e-003	6.7974e-004
tblVehicleEF	UBUS	0.86	0.08
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.5579e-003
tblVehicleEF	UBUS	1.1050e-003	8.2963e-005
tblVehicleEF	UBUS	5.9080e-003	8.9257e-004
tblVehicleEF	UBUS	0.07	8.7355e-003
tblVehicleEF	UBUS	3.2830e-003	6.7974e-004
tblVehicleEF	UBUS	3.57	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.07
tblVehicleEF	UBUS	9.08	0.72
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.56
tblVehicleEF	UBUS	9.79	0.48
tblVehicleEF	UBUS	15.38	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2119e-003
tblVehicleEF	UBUS	1.0870e-003	4.5679e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.0699e-003

tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.7000e-003	5.9523e-004
tblVehicleEF	UBUS	0.08	9.0202e-003
tblVehicleEF	UBUS	2.5010e-003	4.6505e-004
tblVehicleEF	UBUS	0.85	0.08
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.5579e-003
tblVehicleEF	UBUS	1.1290e-003	8.4707e-005
tblVehicleEF	UBUS	4.7000e-003	5.9523e-004
tblVehicleEF	UBUS	0.08	9.0202e-003
tblVehicleEF	UBUS	2.5010e-003	4.6505e-004
tblVehicleEF	UBUS	3.55	5.92
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	ST_TR	6.39	4.61
tblVehicleTrips	ST_TR	158.37	95.00
tblVehicleTrips	ST_TR	49.97	32.00
tblVehicleTrips	SU_TR	5.86	4.61
tblVehicleTrips	SU_TR	131.84	95.00
tblVehicleTrips	SU_TR	25.24	32.00
tblVehicleTrips	WD_TR	6.65	4.61
tblVehicleTrips	WD_TR	127.15	95.00
tblVehicleTrips	WD_TR	42.70	32.00

## 2.0 Emissions Summary

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### 2.1 Overall Construction Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1086	1.1399	1.0361	2.6100e-003	0.0716	0.0457	0.1173	0.0212	0.0424	0.0636	0.0000	237.7211	237.7211	0.0415	0.0000	238.7596
2022	0.2054	0.3895	0.4611	9.1000e-004	0.0237	0.0180	0.0418	6.3600e-003	0.0167	0.0231	0.0000	80.3687	80.3687	0.0168	0.0000	80.7890
<b>Maximum</b>	<b>0.2054</b>	<b>1.1399</b>	<b>1.0361</b>	<b>2.6100e-003</b>	<b>0.0716</b>	<b>0.0457</b>	<b>0.1173</b>	<b>0.0212</b>	<b>0.0424</b>	<b>0.0636</b>	<b>0.0000</b>	<b>237.7211</b>	<b>237.7211</b>	<b>0.0415</b>	<b>0.0000</b>	<b>238.7596</b>

### 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	0.1086	1.1399	1.0361	2.6100e-003	0.0658	0.0457	0.1115	0.0184	0.0424	0.0608	0.0000	237.7210	237.7210	0.0415	0.0000	238.7595
2022	0.2054	0.3895	0.4611	9.1000e-004	0.0237	0.0180	0.0418	6.3600e-003	0.0167	0.0231	0.0000	80.3686	80.3686	0.0168	0.0000	80.7889
<b>Maximum</b>	<b>0.2054</b>	<b>1.1399</b>	<b>1.0361</b>	<b>2.6100e-003</b>	<b>0.0658</b>	<b>0.0457</b>	<b>0.1115</b>	<b>0.0184</b>	<b>0.0424</b>	<b>0.0608</b>	<b>0.0000</b>	<b>237.7210</b>	<b>237.7210</b>	<b>0.0415</b>	<b>0.0000</b>	<b>238.7595</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>6.09</b>	<b>0.00</b>	<b>3.65</b>	<b>10.01</b>	<b>0.00</b>	<b>3.19</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
4	4-23-2021	7-22-2021	0.5594	0.5594
5	7-23-2021	10-22-2021	0.3856	0.3856
6	10-23-2021	1-22-2022	0.3771	0.3771
7	1-23-2022	4-22-2022	0.3933	0.3933
8	4-23-2022	7-22-2022	0.1228	0.1228
		<b>Highest</b>	0.5594	0.5594

### 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	0.3786	0.0186	0.8185	8.2000e-004		0.0496	0.0496		0.0496	0.0496	5.2047	10.8294	16.0342	0.0163	3.5000e-004	16.5475
Energy	4.1500e-003	0.0362	0.0201	2.3000e-004		2.8700e-003	2.8700e-003		2.8700e-003	2.8700e-003	0.0000	191.7707	191.7707	4.7700e-003	1.5800e-003	192.3604
Mobile	0.1542	0.3218	1.4813	4.0100e-003	0.3673	4.0200e-003	0.3713	0.0983	3.7700e-003	0.1020	0.0000	375.9616	375.9616	0.0279	0.0000	376.6594
Waste						0.0000	0.0000		0.0000	0.0000	7.2042	0.0000	7.2042	0.4258	0.0000	17.8480
Water						0.0000	0.0000		0.0000	0.0000	1.1326	34.5884	35.7211	0.1173	2.9400e-003	39.5273
<b>Total</b>	<b>0.5369</b>	<b>0.3765</b>	<b>2.3199</b>	<b>5.0600e-003</b>	<b>0.3673</b>	<b>0.0565</b>	<b>0.4238</b>	<b>0.0983</b>	<b>0.0562</b>	<b>0.1545</b>	<b>13.5415</b>	<b>613.1502</b>	<b>626.6917</b>	<b>0.5920</b>	<b>4.8700e-003</b>	<b>642.9426</b>

**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	0.3786	0.0186	0.8185	8.2000e-004		0.0496	0.0496		0.0496	0.0496	5.2047	10.8294	16.0342	0.0163	3.5000e-004	16.5475
Energy	3.6700e-003	0.0320	0.0180	2.0000e-004		2.5300e-003	2.5300e-003		2.5300e-003	2.5300e-003	0.0000	182.8769	182.8769	4.5700e-003	1.4700e-003	183.4286
Mobile	0.1542	0.3218	1.4813	4.0100e-003	0.3673	4.0200e-003	0.3713	0.0983	3.7700e-003	0.1020	0.0000	375.9616	375.9616	0.0279	0.0000	376.6594
Waste						0.0000	0.0000		0.0000	0.0000	1.8010	0.0000	1.8010	0.1064	0.0000	4.4620
Water						0.0000	0.0000		0.0000	0.0000	0.9061	29.9659	30.8720	0.0939	2.3600e-003	33.9222
<b>Total</b>	<b>0.5364</b>	<b>0.3723</b>	<b>2.3178</b>	<b>5.0300e-003</b>	<b>0.3673</b>	<b>0.0561</b>	<b>0.4235</b>	<b>0.0983</b>	<b>0.0559</b>	<b>0.1541</b>	<b>7.9119</b>	<b>599.6338</b>	<b>607.5457</b>	<b>0.2491</b>	<b>4.1800e-003</b>	<b>615.0197</b>

ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Percent Reduction	0.09	1.12	0.09	0.59	0.00	0.60	0.08	0.00	0.60	0.22	41.57	2.20	3.06	57.92	14.17	4.34
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### 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	5/1/2021	5/14/2021	5	10	
2	Grading	Grading	5/15/2021	6/11/2021	5	20	
3	Building Construction	Building Construction	6/12/2021	4/1/2022	5	210	
4	Architectural Coating	Architectural Coating	4/1/2022	4/30/2022	5	21	
5	Paving	Paving	5/1/2022	5/31/2022	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.26

Residential Indoor: 99,225; Residential Outdoor: 33,075; Non-Residential Indoor: 3,000; Non-Residential Outdoor: 1,000; Striped

#### 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	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
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	Signal Boards	1	8.00	6	0.82
Building Construction	Skid Steer Loaders	1	8.00	65	0.37

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	11.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,131.00	14.70	6.90	30.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	51.00	11.00	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	10.00	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					1.1800e-003	0.0000	1.1800e-003	1.8000e-004	0.0000	1.8000e-004	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

<b>Total</b>	<b>3.9800e-003</b>	<b>0.0363</b>	<b>0.0379</b>	<b>6.0000e-005</b>	<b>1.1800e-003</b>	<b>2.0400e-003</b>	<b>3.2200e-003</b>	<b>1.8000e-004</b>	<b>1.9400e-003</b>	<b>2.1200e-003</b>	<b>0.0000</b>	<b>5.2047</b>	<b>5.2047</b>	<b>9.7000e-004</b>	<b>0.0000</b>	<b>5.2289</b>
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**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0100e-003	2.1000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2366	0.2366	2.0000e-005	0.0000	0.2371
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.7000e-004	1.8900e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4945	0.4945	1.0000e-005	0.0000	0.4948
<b>Total</b>	<b>2.5000e-004</b>	<b>1.1800e-003</b>	<b>2.1000e-003</b>	<b>1.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>6.0000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.7311</b>	<b>0.7311</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.7319</b>

**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					4.4000e-004	0.0000	4.4000e-004	7.0000e-005	0.0000	7.0000e-005	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
<b>Total</b>	<b>3.9800e-003</b>	<b>0.0363</b>	<b>0.0379</b>	<b>6.0000e-005</b>	<b>4.4000e-004</b>	<b>2.0400e-003</b>	<b>2.4800e-003</b>	<b>7.0000e-005</b>	<b>1.9400e-003</b>	<b>2.0100e-003</b>	<b>0.0000</b>	<b>5.2047</b>	<b>5.2047</b>	<b>9.7000e-004</b>	<b>0.0000</b>	<b>5.2289</b>

**Mitigated Construction Off-Site**



Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
<b>Total</b>	<b>7.3200e-003</b>	<b>0.2094</b>	<b>0.0566</b>	<b>6.5000e-004</b>	<b>0.0162</b>	<b>7.0000e-004</b>	<b>0.0169</b>	<b>4.4400e-003</b>	<b>6.7000e-004</b>	<b>5.1100e-003</b>	<b>0.0000</b>	<b>63.3708</b>	<b>63.3708</b>	<b>4.1100e-003</b>	<b>0.0000</b>	<b>63.4736</b>

### **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					2.9800e-003	0.0000	2.9800e-003	1.5600e-003	0.0000	1.5600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0128	0.1243	0.1292	2.7000e-004		6.0300e-003	6.0300e-003		5.6900e-003	5.6900e-003	0.0000	23.2211	23.2211	6.0800e-003	0.0000	23.3732
<b>Total</b>	<b>0.0128</b>	<b>0.1243</b>	<b>0.1292</b>	<b>2.7000e-004</b>	<b>2.9800e-003</b>	<b>6.0300e-003</b>	<b>9.0100e-003</b>	<b>1.5600e-003</b>	<b>5.6900e-003</b>	<b>7.2500e-003</b>	<b>0.0000</b>	<b>23.2211</b>	<b>23.2211</b>	<b>6.0800e-003</b>	<b>0.0000</b>	<b>23.3732</b>

### **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	6.6700e-003	0.2089	0.0510	6.3000e-004	0.0146	6.9000e-004	0.0153	4.0000e-003	6.6000e-004	4.6600e-003	0.0000	61.8875	61.8875	4.0700e-003	0.0000	61.9891
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
<b>Total</b>	<b>7.3200e-003</b>	<b>0.2094</b>	<b>0.0566</b>	<b>6.5000e-004</b>	<b>0.0162</b>	<b>7.0000e-004</b>	<b>0.0169</b>	<b>4.4400e-003</b>	<b>6.7000e-004</b>	<b>5.1100e-003</b>	<b>0.0000</b>	<b>63.3708</b>	<b>63.3708</b>	<b>4.1100e-003</b>	<b>0.0000</b>	<b>63.4736</b>

## **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	0.0658	0.6777	0.6492	1.0300e-003		0.0364	0.0364		0.0336	0.0336	0.0000	88.9701	88.9701	0.0281	0.0000	89.6717
<b>Total</b>	<b>0.0658</b>	<b>0.6777</b>	<b>0.6492</b>	<b>1.0300e-003</b>		<b>0.0364</b>	<b>0.0364</b>		<b>0.0336</b>	<b>0.0336</b>	<b>0.0000</b>	<b>88.9701</b>	<b>88.9701</b>	<b>0.0281</b>	<b>0.0000</b>	<b>89.6717</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4800e-003	0.0787	0.0213	2.0000e-004	5.0200e-003	1.6000e-004	5.1800e-003	1.4500e-003	1.5000e-004	1.6000e-003	0.0000	19.6581	19.6581	1.2100e-003	0.0000	19.6883
Worker	0.0159	0.0124	0.1398	4.0000e-004	0.0405	3.3000e-004	0.0409	0.0108	3.1000e-004	0.0111	0.0000	36.5652	36.5652	1.0800e-003	0.0000	36.5921
<b>Total</b>	<b>0.0184</b>	<b>0.0911</b>	<b>0.1612</b>	<b>6.0000e-004</b>	<b>0.0455</b>	<b>4.9000e-004</b>	<b>0.0460</b>	<b>0.0122</b>	<b>4.6000e-004</b>	<b>0.0127</b>	<b>0.0000</b>	<b>56.2233</b>	<b>56.2233</b>	<b>2.2900e-003</b>	<b>0.0000</b>	<b>56.2804</b>

**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	0.0658	0.6777	0.6492	1.0300e-003		0.0364	0.0364		0.0336	0.0336	0.0000	88.9700	88.9700	0.0281	0.0000	89.6716

<b>Total</b>	<b>0.0658</b>	<b>0.6777</b>	<b>0.6492</b>	<b>1.0300e-003</b>		<b>0.0364</b>	<b>0.0364</b>		<b>0.0336</b>	<b>0.0336</b>	<b>0.0000</b>	<b>88.9700</b>	<b>88.9700</b>	<b>0.0281</b>	<b>0.0000</b>	<b>89.6716</b>
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**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4800e-003	0.0787	0.0213	2.0000e-004	5.0200e-003	1.6000e-004	5.1800e-003	1.4500e-003	1.5000e-004	1.6000e-003	0.0000	19.6581	19.6581	1.2100e-003	0.0000	19.6883
Worker	0.0159	0.0124	0.1398	4.0000e-004	0.0405	3.3000e-004	0.0409	0.0108	3.1000e-004	0.0111	0.0000	36.5652	36.5652	1.0800e-003	0.0000	36.5921
<b>Total</b>	<b>0.0184</b>	<b>0.0911</b>	<b>0.1612</b>	<b>6.0000e-004</b>	<b>0.0455</b>	<b>4.9000e-004</b>	<b>0.0460</b>	<b>0.0122</b>	<b>4.6000e-004</b>	<b>0.0127</b>	<b>0.0000</b>	<b>56.2233</b>	<b>56.2233</b>	<b>2.2900e-003</b>	<b>0.0000</b>	<b>56.2804</b>

**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	0.0264	0.2702	0.2873	4.6000e-004		0.0137	0.0137		0.0126	0.0126	0.0000	39.9102	39.9102	0.0126	0.0000	40.2249
<b>Total</b>	<b>0.0264</b>	<b>0.2702</b>	<b>0.2873</b>	<b>4.6000e-004</b>		<b>0.0137</b>	<b>0.0137</b>		<b>0.0126</b>	<b>0.0126</b>	<b>0.0000</b>	<b>39.9102</b>	<b>39.9102</b>	<b>0.0126</b>	<b>0.0000</b>	<b>40.2249</b>

**Unmitigated Construction Off-Site**



Vendor	1.0400e-003	0.0335	9.0500e-003	9.0000e-005	2.2500e-003	6.0000e-005	2.3100e-003	6.5000e-004	6.0000e-005	7.1000e-004	0.0000	8.7349	8.7349	5.2000e-004	0.0000	8.7479
Worker	6.6900e-003	5.0100e-003	0.0578	1.7000e-004	0.0182	1.5000e-004	0.0183	4.8200e-003	1.3000e-004	4.9600e-003	0.0000	15.8151	15.8151	4.4000e-004	0.0000	15.8260
<b>Total</b>	<b>7.7300e-003</b>	<b>0.0385</b>	<b>0.0668</b>	<b>2.6000e-004</b>	<b>0.0204</b>	<b>2.1000e-004</b>	<b>0.0206</b>	<b>5.4700e-003</b>	<b>1.9000e-004</b>	<b>5.6700e-003</b>	<b>0.0000</b>	<b>24.5500</b>	<b>24.5500</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>24.5739</b>

**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	0.1604					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
<b>Total</b>	<b>0.1626</b>	<b>0.0148</b>	<b>0.0190</b>	<b>3.0000e-005</b>		<b>8.6000e-004</b>	<b>8.6000e-004</b>		<b>8.6000e-004</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>2.6809</b>	<b>2.6809</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>2.6853</b>

**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	4.2000e-004	3.2000e-004	3.6600e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	1.0019	1.0019	3.0000e-005	0.0000	1.0026
<b>Total</b>	<b>4.2000e-004</b>	<b>3.2000e-004</b>	<b>3.6600e-003</b>	<b>1.0000e-005</b>	<b>1.1500e-003</b>	<b>1.0000e-005</b>	<b>1.1600e-003</b>	<b>3.1000e-004</b>	<b>1.0000e-005</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>1.0019</b>	<b>1.0019</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.0026</b>

**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	0.1604					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
<b>Total</b>	<b>0.1626</b>	<b>0.0148</b>	<b>0.0190</b>	<b>3.0000e-005</b>		<b>8.6000e-004</b>	<b>8.6000e-004</b>		<b>8.6000e-004</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>2.6809</b>	<b>2.6809</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>2.6853</b>

### 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	4.2000e-004	3.2000e-004	3.6600e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	1.0019	1.0019	3.0000e-005	0.0000	1.0026
<b>Total</b>	<b>4.2000e-004</b>	<b>3.2000e-004</b>	<b>3.6600e-003</b>	<b>1.0000e-005</b>	<b>1.1500e-003</b>	<b>1.0000e-005</b>	<b>1.1600e-003</b>	<b>3.1000e-004</b>	<b>1.0000e-005</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>1.0019</b>	<b>1.0019</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.0026</b>

### 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	7.1200e-003	0.0651	0.0774	1.2000e-004		3.2600e-003	3.2600e-003		3.0300e-003	3.0300e-003	0.0000	10.3365	10.3365	3.0100e-003	0.0000	10.4118

Paving	3.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.4600e-003</b>	<b>0.0651</b>	<b>0.0774</b>	<b>1.2000e-004</b>		<b>3.2600e-003</b>	<b>3.2600e-003</b>		<b>3.0300e-003</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>10.3365</b>	<b>10.3365</b>	<b>3.0100e-003</b>	<b>0.0000</b>	<b>10.4118</b>

**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	8.0000e-004	6.0000e-004	6.9000e-003	2.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	1.8892	1.8892	5.0000e-005	0.0000	1.8905
<b>Total</b>	<b>8.0000e-004</b>	<b>6.0000e-004</b>	<b>6.9000e-003</b>	<b>2.0000e-005</b>	<b>2.1700e-003</b>	<b>2.0000e-005</b>	<b>2.1900e-003</b>	<b>5.8000e-004</b>	<b>2.0000e-005</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>1.8892</b>	<b>1.8892</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.8905</b>

**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	7.1200e-003	0.0651	0.0774	1.2000e-004		3.2600e-003	3.2600e-003		3.0300e-003	3.0300e-003	0.0000	10.3365	10.3365	3.0100e-003	0.0000	10.4118
Paving	3.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.4600e-003</b>	<b>0.0651</b>	<b>0.0774</b>	<b>1.2000e-004</b>		<b>3.2600e-003</b>	<b>3.2600e-003</b>		<b>3.0300e-003</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>10.3365</b>	<b>10.3365</b>	<b>3.0100e-003</b>	<b>0.0000</b>	<b>10.4118</b>

**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	8.0000e-004	6.0000e-004	6.9000e-003	2.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	2.0000e-005	5.9000e-004	0.0000	1.8892	1.8892	5.0000e-005	0.0000	1.8905
<b>Total</b>	<b>8.0000e-004</b>	<b>6.0000e-004</b>	<b>6.9000e-003</b>	<b>2.0000e-005</b>	<b>2.1700e-003</b>	<b>2.0000e-005</b>	<b>2.1900e-003</b>	<b>5.8000e-004</b>	<b>2.0000e-005</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>1.8892</b>	<b>1.8892</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.8905</b>

#### 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	0.1542	0.3218	1.4813	4.0100e-003	0.3673	4.0200e-003	0.3713	0.0983	3.7700e-003	0.1020	0.0000	375.9616	375.9616	0.0279	0.0000	376.6594
Unmitigated	0.1542	0.3218	1.4813	4.0100e-003	0.3673	4.0200e-003	0.3713	0.0983	3.7700e-003	0.1020	0.0000	375.9616	375.9616	0.0279	0.0000	376.6594

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	226.00	226.00	226.00	772,286	772,286
High Turnover (Sit Down Restaurant)	95.00	95.00	95.00	129,469	129,469





High Turnover (Sit Down Restaurant)	216577	1.1700e-003	0.0106	8.9200e-003	6.0000e-005		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	11.5574	11.5574	2.2000e-004	2.1000e-004	11.6260
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
Regional Shopping Center	1260.5	1.0000e-005	6.0000e-005	5.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0673	0.0673	0.0000	0.0000	0.0677
Unenclosed Parking Structure	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
<b>Total</b>		<b>3.6700e-003</b>	<b>0.0320</b>	<b>0.0180</b>	<b>2.0000e-004</b>		<b>2.5300e-003</b>	<b>2.5300e-003</b>		<b>2.5300e-003</b>	<b>2.5300e-003</b>	<b>0.0000</b>	<b>36.2775</b>	<b>36.2775</b>	<b>6.9000e-004</b>	<b>6.6000e-004</b>	<b>36.4931</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	198628	98.7561	2.6100e-003	5.4000e-004	98.9825
High Turnover (Sit Down Restaurant)	44140	21.9460	5.8000e-004	1.2000e-004	21.9964
Parking Lot	4060	2.0186	5.0000e-005	1.0000e-005	2.0232
Regional Shopping Center	13500	6.7121	1.8000e-004	4.0000e-005	6.7275
Unenclosed Parking Structure	42700	21.2301	5.6000e-004	1.2000e-004	21.2788
<b>Total</b>		<b>150.6629</b>	<b>3.9800e-003</b>	<b>8.3000e-004</b>	<b>151.0084</b>

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	194455	96.6812	2.5600e-003	5.3000e-004	96.9028



Consumer Products	0.1866					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1605	0.0127	0.3115	7.9000e-004		0.0468	0.0468		0.0468	0.0468	5.2047	10.0017	15.2065	0.0155	3.5000e-004	15.6998
Landscaping	0.0154	5.8400e-003	0.5070	3.0000e-005		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003	0.0000	0.8277	0.8277	8.0000e-004	0.0000	0.8478
<b>Total</b>	<b>0.3786</b>	<b>0.0186</b>	<b>0.8185</b>	<b>8.2000e-004</b>		<b>0.0496</b>	<b>0.0496</b>		<b>0.0496</b>	<b>0.0496</b>	<b>5.2047</b>	<b>10.8294</b>	<b>16.0342</b>	<b>0.0163</b>	<b>3.5000e-004</b>	<b>16.5475</b>

## 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	0.0160					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1866					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1605	0.0127	0.3115	7.9000e-004		0.0468	0.0468		0.0468	0.0468	5.2047	10.0017	15.2065	0.0155	3.5000e-004	15.6998
Landscaping	0.0154	5.8400e-003	0.5070	3.0000e-005		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003	0.0000	0.8277	0.8277	8.0000e-004	0.0000	0.8478
<b>Total</b>	<b>0.3786</b>	<b>0.0186</b>	<b>0.8185</b>	<b>8.2000e-004</b>		<b>0.0496</b>	<b>0.0496</b>		<b>0.0496</b>	<b>0.0496</b>	<b>5.2047</b>	<b>10.8294</b>	<b>16.0342</b>	<b>0.0163</b>	<b>3.5000e-004</b>	<b>16.5475</b>

## 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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	30.8720	0.0939	2.3600e-003	33.9222
Unmitigated	35.7211	0.1173	2.9400e-003	39.5273

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	3.19255 / 2.01269	32.7989	0.1049	2.6300e-003	36.2045
High Turnover (Sit Down Restaurant)	0.303534 / 0.0193745	2.1684	9.9500e-003	2.4000e-004	2.4900
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.0740725 /	0.7538	2.4300e-003	6.0000e-005	0.8328
Unenclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>35.7211</b>	<b>0.1173</b>	<b>2.9300e-003</b>	<b>39.5273</b>

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.55404 / 2.01269	28.4627	0.0840	2.1200e-003	31.1922

High Turnover (Sit Down Restaurant)	0.242827 / 0.0193745	1.7561	7.9600e- 003	2.0000e- 004	2.0134
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.059258 / 0.0453993	0.6532	1.9500e- 003	5.0000e- 005	0.7165
Unenclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>30.8720</b>	<b>0.0939</b>	<b>2.3700e- 003</b>	<b>33.9222</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

#### Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.8010	0.1064	0.0000	4.4620
Unmitigated	7.2042	0.4258	0.0000	17.8480

### 8.2 Waste by Land Use

#### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	22.54	4.5754	0.2704	0.0000	11.3354

High Turnover (Sit Down Restaurant)	11.9	2.4156	0.1428	0.0000	5.9845
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.05	0.2131	0.0126	0.0000	0.5281
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.2042</b>	<b>0.4258</b>	<b>0.0000</b>	<b>17.8480</b>

**Mitigated**

Land Use	Waste Disposed tons	Total CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
Apartments Mid Rise	5.635	1.1439	0.0676	0.0000	2.8339
High Turnover (Sit Down Restaurant)	2.975	0.6039	0.0357	0.0000	1.4961
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.2625	0.0533	3.1500e-003	0.0000	0.1320
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.8010</b>	<b>0.1064</b>	<b>0.0000</b>	<b>4.4620</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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3700 Riverside Drive - Los Angeles-South Coast County, Summer

**3700 Riverside Drive**  
**Los Angeles-South Coast County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	29.00	Space	0.26	11,600.00	0
Unenclosed Parking Structure	61.00	Space	0.00	24,400.00	0
High Turnover (Sit Down Restaurant)	1.00	1000sqft	0.02	1,000.00	0
Apartments Mid Rise	49.00	Dwelling Unit	0.31	49,000.00	140
Regional Shopping Center	1.00	1000sqft	0.02	1,000.00	0

### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	12			<b>Operational Year</b>	2022
<b>Utility Company</b>	Burbank Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	1096.12	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

### 1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - total 0.61 acres
- Construction Phase - per construction questionnaire
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -

Off-road Equipment -

Trips and VMT - per construction questionnaire

Demolition - Structure dimension 25ft \* 60ft \* 16ft, per CalEEMod appendix, 1 ft2 floor space = 10 ft3 original building volume, 1 ft2 represents 0.046

Grading -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Energy Mitigation - 10% over 2019 Title 24 (30% \* 110% = 33%)

Vehicle Trips - per TIA

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Woodstoves -

Area Coating - SCAQMD Rule 1113

Water Mitigation - CALGreen Low-flow fixtures

Waste Mitigation - AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	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	5.00	21.00
tblConstructionPhase	NumDays	100.00	210.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	5.00	22.00
tblGrading	MaterialExported	0.00	9,050.00
tblLandUse	LotAcreage	0.55	0.00
tblLandUse	LotAcreage	1.29	0.31
tblTripsAndVMT	HaulingTripLength	20.00	10.00

tblTripsAndVMT	HaulingTripLength	20.00	30.00
tblVehicleEF	HHD	0.62	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	2.47	6.32
tblVehicleEF	HHD	1.15	0.58
tblVehicleEF	HHD	3.30	9.3040e-003
tblVehicleEF	HHD	4,690.45	1,186.71
tblVehicleEF	HHD	1,639.83	1,477.44
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	20.39	6.38
tblVehicleEF	HHD	3.81	3.57
tblVehicleEF	HHD	19.54	2.07
tblVehicleEF	HHD	0.01	3.9310e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.7610e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.6800e-004
tblVehicleEF	HHD	0.62	0.46
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.9500e-004	1.4610e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01

tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.6800e-004
tblVehicleEF	HHD	0.72	0.53
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.9500e-004	1.4610e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	HHD	0.58	0.03
tblVehicleEF	HHD	0.10	0.08
tblVehicleEF	HHD	0.07	5.0690e-007
tblVehicleEF	HHD	1.80	6.18
tblVehicleEF	HHD	1.16	0.58
tblVehicleEF	HHD	3.13	8.8347e-003
tblVehicleEF	HHD	4,968.94	1,182.90
tblVehicleEF	HHD	1,639.83	1,477.44
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	21.04	6.19
tblVehicleEF	HHD	3.60	3.38
tblVehicleEF	HHD	19.53	2.07
tblVehicleEF	HHD	0.01	3.4395e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	1.5656e-006
tblVehicleEF	HHD	0.01	3.2907e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.4395e-006

tblVehicleEF	HHD	1.6000e-004	1.0936e-005
tblVehicleEF	HHD	4.7280e-003	2.7345e-004
tblVehicleEF	HHD	0.58	0.48
tblVehicleEF	HHD	1.1400e-004	7.4688e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.8400e-004	1.4407e-003
tblVehicleEF	HHD	0.08	2.6808e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5700e-004	8.6142e-007
tblVehicleEF	HHD	1.6000e-004	1.0936e-005
tblVehicleEF	HHD	4.7280e-003	2.7345e-004
tblVehicleEF	HHD	0.68	0.55
tblVehicleEF	HHD	1.1400e-004	7.4688e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.8400e-004	1.4407e-003
tblVehicleEF	HHD	0.08	2.9351e-006
tblVehicleEF	HHD	0.67	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	5.3439e-007
tblVehicleEF	HHD	3.41	6.51
tblVehicleEF	HHD	1.15	0.57
tblVehicleEF	HHD	3.33	9.3942e-003
tblVehicleEF	HHD	4,305.87	1,191.98
tblVehicleEF	HHD	1,639.83	1,477.44
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	19.48	6.64
tblVehicleEF	HHD	3.75	3.51
tblVehicleEF	HHD	19.55	2.07
tblVehicleEF	HHD	0.02	4.6106e-003
tblVehicleEF	HHD	0.06	0.06

tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	1.5656e-006
tblVehicleEF	HHD	0.02	4.4112e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.4395e-006
tblVehicleEF	HHD	1.0300e-004	7.2909e-006
tblVehicleEF	HHD	4.9260e-003	3.0518e-004
tblVehicleEF	HHD	0.66	0.43
tblVehicleEF	HHD	7.7000e-005	4.9065e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	4.2900e-004	1.5513e-003
tblVehicleEF	HHD	0.08	2.8157e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	8.7020e-007
tblVehicleEF	HHD	1.0300e-004	7.2909e-006
tblVehicleEF	HHD	4.9260e-003	3.0518e-004
tblVehicleEF	HHD	0.78	0.50
tblVehicleEF	HHD	7.7000e-005	4.9065e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	4.2900e-004	1.5513e-003
tblVehicleEF	HHD	0.09	3.0829e-006
tblVehicleEF	LDA	5.3420e-003	3.0340e-003
tblVehicleEF	LDA	5.4040e-003	0.05
tblVehicleEF	LDA	0.66	0.72
tblVehicleEF	LDA	1.15	2.10
tblVehicleEF	LDA	274.33	270.89
tblVehicleEF	LDA	57.08	53.31

tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.1700e-003	1.7960e-003
tblVehicleEF	LDA	2.2660e-003	1.8390e-003
tblVehicleEF	LDA	2.0000e-003	1.6540e-003
tblVehicleEF	LDA	2.0830e-003	1.6910e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.7480e-003	2.6800e-003
tblVehicleEF	LDA	5.9000e-004	5.2800e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	5.6740e-003	3.2475e-003
tblVehicleEF	LDA	4.8010e-003	0.04
tblVehicleEF	LDA	0.72	0.79
tblVehicleEF	LDA	0.98	1.79
tblVehicleEF	LDA	287.10	283.19
tblVehicleEF	LDA	57.08	52.73
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.1700e-003	1.7956e-003

tblVehicleEF	LDA	2.2660e-003	1.8393e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0000e-003	1.6543e-003
tblVehicleEF	LDA	2.0830e-003	1.6912e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	2.8760e-003	2.8016e-003
tblVehicleEF	LDA	5.8700e-004	5.2181e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9683e-003
tblVehicleEF	LDA	5.5300e-003	0.05
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	1.19	2.17
tblVehicleEF	LDA	269.66	266.39
tblVehicleEF	LDA	57.08	53.43
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.1700e-003	1.7956e-003
tblVehicleEF	LDA	2.2660e-003	1.8393e-003

tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.0000e-003	1.6543e-003
tblVehicleEF	LDA	2.0830e-003	1.6912e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7010e-003	2.6353e-003
tblVehicleEF	LDA	5.9100e-004	5.2874e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDT1	0.02	7.7890e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.46
tblVehicleEF	LDT1	2.78	2.27
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tblVehicleEF	LDT1	69.44	63.32
tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
tblVehicleEF	LDT1	0.13	0.13

tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.19	0.36
tblVehicleEF	LDT1	3.4330e-003	3.1530e-003
tblVehicleEF	LDT1	7.4300e-004	6.2700e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.2630e-003
tblVehicleEF	LDT1	0.01	0.06
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tblVehicleEF	LDT1	2.36	1.93
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tblVehicleEF	LDT1	69.44	62.64
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.5390e-003	2.7166e-003
tblVehicleEF	LDT1	3.4320e-003	2.6328e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4209e-003
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21

tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.17	0.32
tblVehicleEF	LDT1	3.5840e-003	3.2762e-003
tblVehicleEF	LDT1	7.3600e-004	6.1991e-004
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.18	0.35
tblVehicleEF	LDT1	0.02	7.6414e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	314.09
tblVehicleEF	LDT1	69.44	63.47
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.5390e-003	2.7166e-003
tblVehicleEF	LDT1	3.4320e-003	2.6328e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4209e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.10	0.10

tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.20	0.37
tblVehicleEF	LDT1	3.3780e-003	3.1081e-003
tblVehicleEF	LDT1	7.4500e-004	6.2806e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9910e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	341.38
tblVehicleEF	LDT2	78.07	68.34
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.04	0.07
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	3.8260e-003	3.3770e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004

tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.3202e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	353.53
tblVehicleEF	LDT2	78.07	67.60
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1510e-003	1.9051e-003
tblVehicleEF	LDT2	2.3580e-003	1.8881e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9790e-003	1.7535e-003
tblVehicleEF	LDT2	2.1690e-003	1.7361e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4975e-003
tblVehicleEF	LDT2	8.0000e-004	6.6897e-004
tblVehicleEF	LDT2	0.07	0.11

tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8889e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
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tblVehicleEF	LDT2	78.07	68.50
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.29
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1510e-003	1.9051e-003
tblVehicleEF	LDT2	2.3580e-003	1.8881e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9790e-003	1.7535e-003
tblVehicleEF	LDT2	2.1690e-003	1.7361e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3332e-003
tblVehicleEF	LDT2	8.0400e-004	6.7791e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13

tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.5830e-003
tblVehicleEF	LHD1	0.01	5.7240e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.21
tblVehicleEF	LHD1	33.34	12.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.65
tblVehicleEF	LHD1	1.01	0.33
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5670e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.27	0.08

tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5060e-003
tblVehicleEF	LHD1	3.8500e-004	1.2300e-004
tblVehicleEF	LHD1	3.1460e-003	2.5670e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.5954e-003
tblVehicleEF	LHD1	0.01	5.8424e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.67
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.23
tblVehicleEF	LHD1	33.34	12.33
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.61
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5654e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6788e-003
tblVehicleEF	LHD1	9.1270e-003	6.4418e-003
tblVehicleEF	LHD1	1.0140e-003	2.8484e-004
tblVehicleEF	LHD1	7.9000e-004	7.2381e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5160e-003	2.4197e-003
tblVehicleEF	LHD1	8.7050e-003	6.1334e-003

tblVehicleEF	LHD1	9.3300e-004	2.6190e-004
tblVehicleEF	LHD1	4.7100e-003	3.8555e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.2097e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6412e-005
tblVehicleEF	LHD1	5.9310e-003	6.5065e-003
tblVehicleEF	LHD1	3.8300e-004	1.2206e-004
tblVehicleEF	LHD1	4.7100e-003	3.8555e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.2097e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.5810e-003
tblVehicleEF	LHD1	0.01	5.6943e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.65
tblVehicleEF	LHD1	2.81	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.20
tblVehicleEF	LHD1	33.34	12.44
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.64
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5654e-004

tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6788e-003
tblVehicleEF	LHD1	9.1270e-003	6.4418e-003
tblVehicleEF	LHD1	1.0140e-003	2.8484e-004
tblVehicleEF	LHD1	7.9000e-004	7.2381e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5160e-003	2.4197e-003
tblVehicleEF	LHD1	8.7050e-003	6.1334e-003
tblVehicleEF	LHD1	9.3300e-004	2.6190e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5424e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6412e-005
tblVehicleEF	LHD1	5.9300e-003	6.5063e-003
tblVehicleEF	LHD1	3.8600e-004	1.2311e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5424e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9120e-003
tblVehicleEF	LHD2	4.2980e-003	3.9650e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44

tblVehicleEF	LHD2	1.37	0.76
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.56
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.65	0.84
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.1380e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1380e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35

tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9205e-003
tblVehicleEF	LHD2	4.3570e-003	4.0115e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.73
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.36
tblVehicleEF	LHD2	27.88	9.50
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.79
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2521e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6195e-004
tblVehicleEF	LHD2	1.1110e-003	1.1979e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6540e-003	2.6334e-003
tblVehicleEF	LHD2	8.4540e-003	9.5766e-003
tblVehicleEF	LHD2	4.3100e-004	1.4891e-004
tblVehicleEF	LHD2	1.6960e-003	2.3398e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3640e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2897e-004

tblVehicleEF	LHD2	6.0210e-003	6.4599e-003
tblVehicleEF	LHD2	3.0300e-004	9.4017e-005
tblVehicleEF	LHD2	1.6960e-003	2.3398e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3640e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9103e-003
tblVehicleEF	LHD2	4.2820e-003	3.9536e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
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tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.38	0.77
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.57
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.82
tblVehicleEF	LHD2	0.56	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2521e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6195e-004
tblVehicleEF	LHD2	1.1110e-003	1.1979e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6540e-003	2.6334e-003
tblVehicleEF	LHD2	8.4540e-003	9.5766e-003
tblVehicleEF	LHD2	4.3100e-004	1.4891e-004

tblVehicleEF	LHD2	1.1610e-003	1.6251e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4304e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2897e-004
tblVehicleEF	LHD2	6.0210e-003	6.4598e-003
tblVehicleEF	LHD2	3.0400e-004	9.4725e-005
tblVehicleEF	LHD2	1.1610e-003	1.6251e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4304e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.94	19.19
tblVehicleEF	MCY	9.66	8.53
tblVehicleEF	MCY	188.92	223.45
tblVehicleEF	MCY	44.52	59.65
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66

tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.05	1.82
tblVehicleEF	MCY	2.2780e-003	2.2110e-003
tblVehicleEF	MCY	6.6300e-004	5.9000e-004
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	3.23	3.24
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.23	1.98
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.47
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.09
tblVehicleEF	MCY	44.52	57.74
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2974e-003
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tblVehicleEF	MCY	2.2770e-003	2.2728e-003
tblVehicleEF	MCY	3.6360e-003	3.1037e-003
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	2.54	2.55

tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.83	1.61
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tblVehicleEF	MCY	6.4300e-004	5.7139e-004
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.29
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.65
tblVehicleEF	MCY	44.52	59.99
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2974e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	2.2770e-003	2.2728e-003
tblVehicleEF	MCY	3.6360e-003	3.1037e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.62
tblVehicleEF	MCY	0.69	2.29
tblVehicleEF	MCY	2.09	1.86

tblVehicleEF	MCY	2.2800e-003	2.2132e-003
tblVehicleEF	MCY	6.6700e-004	5.9366e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.29
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5750e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.11
tblVehicleEF	MDV	512.22	419.24
tblVehicleEF	MDV	103.14	83.18
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1450e-003
tblVehicleEF	MDV	1.0750e-003	8.2300e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09

tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9929e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.33
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tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0577e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.1720e-003	1.9193e-003
tblVehicleEF	MDV	2.3120e-003	1.8924e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2720e-003
tblVehicleEF	MDV	1.0680e-003	8.1425e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.04

tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
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tblVehicleEF	MDV	503.99	414.54
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tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0577e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.1720e-003	1.9193e-003
tblVehicleEF	MDV	2.3120e-003	1.8924e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
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tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50

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tblVehicleEF	MH	0.02	0.02
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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	0.95	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.33	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0500e-004	1.9200e-004
tblVehicleEF	MH	0.95	0.84
tblVehicleEF	MH	0.07	0.06
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tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02

tblVehicleEF	MH	2.30	1.24
tblVehicleEF	MH	5.44	2.03
tblVehicleEF	MH	1,130.03	1,501.27
tblVehicleEF	MH	60.43	19.21
tblVehicleEF	MH	0.99	1.03
tblVehicleEF	MH	0.76	0.24
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8352e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2020e-003	3.2445e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6069e-004
tblVehicleEF	MH	1.41	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.31	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9900e-004	1.9008e-004
tblVehicleEF	MH	1.41	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.34	0.10
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.22	1.20

tblVehicleEF	MH	5.83	2.18
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tblVehicleEF	MH	60.43	19.45
tblVehicleEF	MH	1.06	1.09
tblVehicleEF	MH	0.80	0.25
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8352e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2020e-003	3.2445e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6069e-004
tblVehicleEF	MH	1.08	0.94
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	1.54
tblVehicleEF	MH	0.33	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0600e-004	1.9251e-004
tblVehicleEF	MH	1.08	0.94
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.54
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MHD	0.02	4.3860e-003
tblVehicleEF	MHD	4.8560e-003	4.5970e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39

tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.42
tblVehicleEF	MHD	132.92	67.37
tblVehicleEF	MHD	1,150.98	1,069.65
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.49	0.48
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0770e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.3800e-004	1.0300e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2600e-004
tblVehicleEF	MHD	1.1350e-003	6.6200e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.2600e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.1900e-004
tblVehicleEF	MHD	1.1350e-003	6.6200e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.2600e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07

tblVehicleEF	MHD	0.02	4.1571e-003
tblVehicleEF	MHD	4.9280e-003	4.6495e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.35
tblVehicleEF	MHD	140.78	68.19
tblVehicleEF	MHD	1,150.98	1,069.66
tblVehicleEF	MHD	63.58	11.93
tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.29
tblVehicleEF	MHD	2.0900e-004	9.1006e-004
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3690e-004
tblVehicleEF	MHD	2.0000e-004	8.7069e-004
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2587e-004
tblVehicleEF	MHD	1.7000e-003	9.9254e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0384e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4812e-004
tblVehicleEF	MHD	0.01	0.01

tblVehicleEF	MHD	7.3800e-004	1.1802e-004
tblVehicleEF	MHD	1.7000e-003	9.9254e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0384e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7146e-003
tblVehicleEF	MHD	4.8360e-003	4.5808e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.44
tblVehicleEF	MHD	122.05	66.24
tblVehicleEF	MHD	1,150.98	1,069.64
tblVehicleEF	MHD	63.58	12.07
tblVehicleEF	MHD	0.47	0.48
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3064e-003
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3690e-004
tblVehicleEF	MHD	2.8900e-004	1.2499e-003
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2587e-004
tblVehicleEF	MHD	1.1690e-003	6.8582e-004

tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.1638e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2931e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.1946e-004
tblVehicleEF	MHD	1.1690e-003	6.8582e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.1638e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4810e-003
tblVehicleEF	OBUS	7.7220e-003	7.0170e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.79
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.60
tblVehicleEF	OBUS	1,260.49	1,392.48
tblVehicleEF	OBUS	67.92	19.23
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.76
tblVehicleEF	OBUS	1.1400e-004	7.9300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004

tblVehicleEF	OBUS	1.0900e-004	7.5900e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4340e-003	1.8440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	9.0000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4300e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5405e-003
tblVehicleEF	OBUS	7.8490e-003	7.1416e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.47
tblVehicleEF	OBUS	1,260.49	1,392.51
tblVehicleEF	OBUS	67.92	19.00
tblVehicleEF	OBUS	0.53	0.45
tblVehicleEF	OBUS	1.46	1.47

tblVehicleEF	OBUS	2.57	0.75
tblVehicleEF	OBUS	9.6000e-005	6.7398e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9719e-004
tblVehicleEF	OBUS	9.2000e-005	6.4482e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8131e-004
tblVehicleEF	OBUS	2.1010e-003	2.6888e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3250e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9863e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8807e-004
tblVehicleEF	OBUS	2.1010e-003	2.6888e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3250e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4183e-003
tblVehicleEF	OBUS	7.6880e-003	6.9833e-003
tblVehicleEF	OBUS	0.03	0.02

tblVehicleEF	OBUS	0.30	0.62
tblVehicleEF	OBUS	0.53	0.79
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.79
tblVehicleEF	OBUS	1,260.49	1,392.48
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tblVehicleEF	OBUS	1.3900e-004	9.5762e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9719e-004
tblVehicleEF	OBUS	1.3300e-004	9.1619e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8131e-004
tblVehicleEF	OBUS	1.4690e-003	1.9275e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2541e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9073e-004
tblVehicleEF	OBUS	1.4690e-003	1.9275e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2541e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0580e-003
tblVehicleEF	SBUS	0.06	6.2120e-003
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tblVehicleEF	SBUS	7.31	0.85
tblVehicleEF	SBUS	1,121.00	351.72
tblVehicleEF	SBUS	1,079.30	1,109.67
tblVehicleEF	SBUS	55.06	5.24
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tblVehicleEF	SBUS	12.12	0.88
tblVehicleEF	SBUS	9.3410e-003	4.1230e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	8.9370e-003	3.9440e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.0700e-004
tblVehicleEF	SBUS	0.03	7.8550e-003
tblVehicleEF	SBUS	0.97	0.32
tblVehicleEF	SBUS	1.7650e-003	4.8200e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.05

tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3550e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.2000e-005
tblVehicleEF	SBUS	3.3650e-003	9.0700e-004
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tblVehicleEF	SBUS	1.40	0.46
tblVehicleEF	SBUS	1.7650e-003	4.8200e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
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tblVehicleEF	SBUS	1,171.46	359.77
tblVehicleEF	SBUS	1,079.30	1,109.69
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.0715e-005
tblVehicleEF	SBUS	7.5340e-003	3.3322e-003
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tblVehicleEF	SBUS	2.6670e-003	2.6821e-003

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.6630e-005
tblVehicleEF	SBUS	4.9570e-003	1.3203e-003
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tblVehicleEF	SBUS	2.5080e-003	6.7365e-004
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tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4311e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	4.9255e-005
tblVehicleEF	SBUS	4.9570e-003	1.3203e-003
tblVehicleEF	SBUS	0.03	7.9968e-003
tblVehicleEF	SBUS	1.40	0.45
tblVehicleEF	SBUS	2.5080e-003	6.7365e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.03
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tblVehicleEF	SBUS	0.07	6.3620e-003
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tblVehicleEF	SBUS	1,051.30	340.60
tblVehicleEF	SBUS	1,079.30	1,109.67
tblVehicleEF	SBUS	55.06	5.29
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tblVehicleEF	SBUS	4.10	4.79
tblVehicleEF	SBUS	12.13	0.88

tblVehicleEF	SBUS	0.01	5.0060e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.0715e-005
tblVehicleEF	SBUS	0.01	4.7894e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6670e-003	2.6821e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.6630e-005
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tblVehicleEF	SBUS	0.98	0.32
tblVehicleEF	SBUS	1.6940e-003	4.6258e-004
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tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2500e-003
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tblVehicleEF	SBUS	6.8100e-004	5.2371e-005
tblVehicleEF	SBUS	3.4320e-003	9.2014e-004
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tblVehicleEF	SBUS	1.6940e-003	4.6258e-004
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tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.43	0.04
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tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.07
tblVehicleEF	UBUS	8.87	0.71

tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.53
tblVehicleEF	UBUS	9.98	0.48
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	0.85	0.08
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.5580e-003
tblVehicleEF	UBUS	1.1250e-003	8.4000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	3.56	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.07
tblVehicleEF	UBUS	7.69	0.62
tblVehicleEF	UBUS	1,968.89	1,988.80

tblVehicleEF	UBUS	96.56	8.38
tblVehicleEF	UBUS	9.41	0.48
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2119e-003
tblVehicleEF	UBUS	1.0870e-003	4.5679e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.0699e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	5.9080e-003	8.9257e-004
tblVehicleEF	UBUS	0.07	8.7355e-003
tblVehicleEF	UBUS	3.2830e-003	6.7974e-004
tblVehicleEF	UBUS	0.86	0.08
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.5579e-003
tblVehicleEF	UBUS	1.1050e-003	8.2963e-005
tblVehicleEF	UBUS	5.9080e-003	8.9257e-004
tblVehicleEF	UBUS	0.07	8.7355e-003
tblVehicleEF	UBUS	3.2830e-003	6.7974e-004
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tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.07
tblVehicleEF	UBUS	9.08	0.72
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.56

tblVehicleEF	UBUS	9.79	0.48
tblVehicleEF	UBUS	15.38	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2119e-003
tblVehicleEF	UBUS	1.0870e-003	4.5679e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.0699e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.7000e-003	5.9523e-004
tblVehicleEF	UBUS	0.08	9.0202e-003
tblVehicleEF	UBUS	2.5010e-003	4.6505e-004
tblVehicleEF	UBUS	0.85	0.08
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.5579e-003
tblVehicleEF	UBUS	1.1290e-003	8.4707e-005
tblVehicleEF	UBUS	4.7000e-003	5.9523e-004
tblVehicleEF	UBUS	0.08	9.0202e-003
tblVehicleEF	UBUS	2.5010e-003	4.6505e-004
tblVehicleEF	UBUS	3.55	5.92
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	ST_TR	6.39	4.61
tblVehicleTrips	ST_TR	158.37	95.00
tblVehicleTrips	ST_TR	49.97	32.00
tblVehicleTrips	SU_TR	5.86	4.61
tblVehicleTrips	SU_TR	131.84	95.00
tblVehicleTrips	SU_TR	25.24	32.00
tblVehicleTrips	WD_TR	6.65	4.61



**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	14.0733	1.0634	28.9754	0.0638		3.7654	3.7654		3.7654	3.7654	458.9790	889.2992	1,348.2782	1.3758	0.0312	1,391.9576
Energy	0.0228	0.1982	0.1102	1.2400e-003		0.0157	0.0157		0.0157	0.0157		248.2936	248.2936	4.7600e-003	4.5500e-003	249.7691
Mobile	0.8654	1.6516	8.3318	0.0227	2.0580	0.0221	2.0801	0.5496	0.0207	0.5704		2,345.7074	2,345.7074	0.1661		2,349.8610
<b>Total</b>	<b>14.9615</b>	<b>2.9132</b>	<b>37.4174</b>	<b>0.0877</b>	<b>2.0580</b>	<b>3.8033</b>	<b>5.8613</b>	<b>0.5496</b>	<b>3.8019</b>	<b>4.3515</b>	<b>458.9790</b>	<b>3,483.3002</b>	<b>3,942.2792</b>	<b>1.5467</b>	<b>0.0357</b>	<b>3,991.5876</b>

**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	14.0733	1.0634	28.9754	0.0638		3.7654	3.7654		3.7654	3.7654	458.9790	889.2992	1,348.2782	1.3758	0.0312	1,391.9576
Energy	0.0201	0.1752	0.0988	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.1183	219.1183	4.2000e-003	4.0200e-003	220.4204
Mobile	0.8654	1.6516	8.3318	0.0227	2.0580	0.0221	2.0801	0.5496	0.0207	0.5704		2,345.7074	2,345.7074	0.1661		2,349.8610
<b>Total</b>	<b>14.9589</b>	<b>2.8901</b>	<b>37.4059</b>	<b>0.0876</b>	<b>2.0580</b>	<b>3.8014</b>	<b>5.8594</b>	<b>0.5496</b>	<b>3.8000</b>	<b>4.3497</b>	<b>458.9790</b>	<b>3,454.1249</b>	<b>3,913.1039</b>	<b>1.5462</b>	<b>0.0352</b>	<b>3,962.2390</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.02</b>	<b>0.79</b>	<b>0.03</b>	<b>0.16</b>	<b>0.00</b>	<b>0.05</b>	<b>0.03</b>	<b>0.00</b>	<b>0.05</b>	<b>0.04</b>	<b>0.00</b>	<b>0.84</b>	<b>0.74</b>	<b>0.04</b>	<b>1.48</b>	<b>0.74</b>

### 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	5/1/2021	5/14/2021	5	10	
2	Grading	Grading	5/15/2021	6/11/2021	5	20	
3	Building Construction	Building Construction	6/12/2021	4/1/2022	5	210	
4	Architectural Coating	Architectural Coating	4/1/2022	4/30/2022	5	21	
5	Paving	Paving	5/1/2022	5/31/2022	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.26

Residential Indoor: 99,225; Residential Outdoor: 33,075; Non-Residential Indoor: 3,000; Non-Residential Outdoor: 1,000; Striped

#### 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	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
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	Signal Boards	1	8.00	6	0.82
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
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	11.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,131.00	14.70	6.90	30.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	51.00	11.00	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	10.00	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					0.2362	0.0000	0.2362	0.0358	0.0000	0.0358			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
<b>Total</b>	<b>0.7965</b>	<b>7.2530</b>	<b>7.5691</b>	<b>0.0120</b>	<b>0.2362</b>	<b>0.4073</b>	<b>0.6436</b>	<b>0.0358</b>	<b>0.3886</b>	<b>0.4244</b>		<b>1,147.4338</b>	<b>1,147.4338</b>	<b>0.2138</b>		<b>1,152.7797</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.4600e-003	0.1988	0.0409	4.9000e-004	9.6300e-003	4.7000e-004	0.0101	2.6400e-003	4.5000e-004	3.0900e-003		52.8419	52.8419	4.0200e-003		52.9423
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	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
<b>Total</b>	<b>0.0483</b>	<b>0.2283</b>	<b>0.4437</b>	<b>1.6300e-003</b>	<b>0.1214</b>	<b>1.3700e-003</b>	<b>0.1228</b>	<b>0.0323</b>	<b>1.2800e-003</b>	<b>0.0336</b>		<b>166.7189</b>	<b>166.7189</b>	<b>7.3800e-003</b>		<b>166.9032</b>

**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					0.0875	0.0000	0.0875	0.0133	0.0000	0.0133			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
<b>Total</b>	<b>0.7965</b>	<b>7.2530</b>	<b>7.5691</b>	<b>0.0120</b>	<b>0.0875</b>	<b>0.4073</b>	<b>0.4949</b>	<b>0.0133</b>	<b>0.3886</b>	<b>0.4019</b>	<b>0.0000</b>	<b>1,147.4338</b>	<b>1,147.4338</b>	<b>0.2138</b>		<b>1,152.7797</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	5.4600e-003	0.1988	0.0409	4.9000e-004	9.6300e-003	4.7000e-004	0.0101	2.6400e-003	4.5000e-004	3.0900e-003		52.8419	52.8419	4.0200e-003		52.9423
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	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
<b>Total</b>	<b>0.0483</b>	<b>0.2283</b>	<b>0.4437</b>	<b>1.6300e-003</b>	<b>0.1214</b>	<b>1.3700e-003</b>	<b>0.1228</b>	<b>0.0323</b>	<b>1.2800e-003</b>	<b>0.0336</b>		<b>166.7189</b>	<b>166.7189</b>	<b>7.3800e-003</b>		<b>166.9032</b>

### 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					0.8039	0.0000	0.8039	0.4215	0.0000	0.4215			0.0000			0.0000
Off-Road	1.2839	12.4292	12.9149	0.0266		0.6034	0.6034		0.5690	0.5690		2,559.688	2,559.688	0.6706		2,576.452
<b>Total</b>	<b>1.2839</b>	<b>12.4292</b>	<b>12.9149</b>	<b>0.0266</b>	<b>0.8039</b>	<b>0.6034</b>	<b>1.4073</b>	<b>0.4215</b>	<b>0.5690</b>	<b>0.9905</b>		<b>2,559.688</b>	<b>2,559.688</b>	<b>0.6706</b>		<b>2,576.452</b>

#### 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	0.6625	20.1187	5.0108	0.0632	1.4826	0.0688	1.5514	0.4064	0.0659	0.4722		6,856.751	6,856.751	0.4433		6,867.832
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	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413

<b>Total</b>	<b>0.7268</b>	<b>20.1629</b>	<b>5.6150</b>	<b>0.0649</b>	<b>1.6503</b>	<b>0.0702</b>	<b>1.7204</b>	<b>0.4508</b>	<b>0.0671</b>	<b>0.5179</b>		<b>7,027.567</b>	<b>7,027.567</b>	<b>0.4483</b>		<b>7,038.774</b>
												<b>1</b>	<b>1</b>			<b>2</b>

**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					0.2979	0.0000	0.2979	0.1562	0.0000	0.1562			0.0000			0.0000
Off-Road	1.2839	12.4292	12.9149	0.0266		0.6034	0.6034		0.5690	0.5690	0.0000	2,559.688	2,559.688	0.6706		2,576.452
<b>Total</b>	<b>1.2839</b>	<b>12.4292</b>	<b>12.9149</b>	<b>0.0266</b>	<b>0.2979</b>	<b>0.6034</b>	<b>0.9013</b>	<b>0.1562</b>	<b>0.5690</b>	<b>0.7252</b>	<b>0.0000</b>	<b>2,559.688</b>	<b>2,559.688</b>	<b>0.6706</b>		<b>2,576.452</b>
												<b>2</b>	<b>2</b>			<b>9</b>

**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	0.6625	20.1187	5.0108	0.0632	1.4826	0.0688	1.5514	0.4064	0.0659	0.4722		6,856.751	6,856.751	0.4433		6,867.832
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	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
<b>Total</b>	<b>0.7268</b>	<b>20.1629</b>	<b>5.6150</b>	<b>0.0649</b>	<b>1.6503</b>	<b>0.0702</b>	<b>1.7204</b>	<b>0.4508</b>	<b>0.0671</b>	<b>0.5179</b>		<b>7,027.567</b>	<b>7,027.567</b>	<b>0.4483</b>		<b>7,038.774</b>
												<b>1</b>	<b>1</b>			<b>2</b>

**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	0.9079	9.3479	8.9546	0.0142		0.5023	0.5023		0.4633	0.4633		1,352.7277	1,352.7277	0.4267		1,363.3945
<b>Total</b>	<b>0.9079</b>	<b>9.3479</b>	<b>8.9546</b>	<b>0.0142</b>		<b>0.5023</b>	<b>0.5023</b>		<b>0.4633</b>	<b>0.4633</b>		<b>1,352.7277</b>	<b>1,352.7277</b>	<b>0.4267</b>		<b>1,363.3945</b>

### 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	0.0334	1.0680	0.2792	2.8300e-003	0.0704	2.1800e-003	0.0726	0.0203	2.0900e-003	0.0224		302.3687	302.3687	0.0178		302.8140
Worker	0.2186	0.1503	2.0542	5.8300e-003	0.5701	4.6100e-003	0.5747	0.1512	4.2400e-003	0.1554		580.7726	580.7726	0.0171		581.2004
<b>Total</b>	<b>0.2521</b>	<b>1.2183</b>	<b>2.3334</b>	<b>8.6600e-003</b>	<b>0.6405</b>	<b>6.7900e-003</b>	<b>0.6473</b>	<b>0.1715</b>	<b>6.3300e-003</b>	<b>0.1778</b>		<b>883.1413</b>	<b>883.1413</b>	<b>0.0349</b>		<b>884.0145</b>

### 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	0.9079	9.3479	8.9546	0.0142		0.5023	0.5023		0.4633	0.4633	0.0000	1,352.7277	1,352.7277	0.4267		1,363.3945
<b>Total</b>	<b>0.9079</b>	<b>9.3479</b>	<b>8.9546</b>	<b>0.0142</b>		<b>0.5023</b>	<b>0.5023</b>		<b>0.4633</b>	<b>0.4633</b>	<b>0.0000</b>	<b>1,352.7277</b>	<b>1,352.7277</b>	<b>0.4267</b>		<b>1,363.3945</b>

**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	0.0334	1.0680	0.2792	2.8300e-003	0.0704	2.1800e-003	0.0726	0.0203	2.0900e-003	0.0224		302.3687	302.3687	0.0178		302.8140
Worker	0.2186	0.1503	2.0542	5.8300e-003	0.5701	4.6100e-003	0.5747	0.1512	4.2400e-003	0.1554		580.7726	580.7726	0.0171		581.2004
<b>Total</b>	<b>0.2521</b>	<b>1.2183</b>	<b>2.3334</b>	<b>8.6600e-003</b>	<b>0.6405</b>	<b>6.7900e-003</b>	<b>0.6473</b>	<b>0.1715</b>	<b>6.3300e-003</b>	<b>0.1778</b>		<b>883.1413</b>	<b>883.1413</b>	<b>0.0349</b>		<b>884.0145</b>

**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	0.8133	8.3138	8.8409	0.0142		0.4204	0.4204		0.3879	0.3879		1,353.6442	1,353.6442	0.4270		1,364.3184
<b>Total</b>	<b>0.8133</b>	<b>8.3138</b>	<b>8.8409</b>	<b>0.0142</b>		<b>0.4204</b>	<b>0.4204</b>		<b>0.3879</b>	<b>0.3879</b>		<b>1,353.6442</b>	<b>1,353.6442</b>	<b>0.4270</b>		<b>1,364.3184</b>

**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	0.0314	1.0156	0.2642	2.8000e-003	0.0704	1.9100e-003	0.0723	0.0203	1.8300e-003	0.0221		299.7345	299.7345	0.0172		300.1645
Worker	0.2048	0.1357	1.8952	5.6200e-003	0.5701	4.4600e-003	0.5745	0.1512	4.1100e-003	0.1553		560.3433	560.3433	0.0155		560.7299
<b>Total</b>	<b>0.2362</b>	<b>1.1514</b>	<b>2.1593</b>	<b>8.4200e-003</b>	<b>0.6405</b>	<b>6.3700e-003</b>	<b>0.6469</b>	<b>0.1715</b>	<b>5.9400e-003</b>	<b>0.1774</b>		<b>860.0778</b>	<b>860.0778</b>	<b>0.0327</b>		<b>860.8944</b>

**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	0.8133	8.3138	8.8409	0.0142		0.4204	0.4204		0.3879	0.3879	0.0000	1,353.6442	1,353.6442	0.4270		1,364.3184
<b>Total</b>	<b>0.8133</b>	<b>8.3138</b>	<b>8.8409</b>	<b>0.0142</b>		<b>0.4204</b>	<b>0.4204</b>		<b>0.3879</b>	<b>0.3879</b>	<b>0.0000</b>	<b>1,353.6442</b>	<b>1,353.6442</b>	<b>0.4270</b>		<b>1,364.3184</b>

**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	0.0314	1.0156	0.2642	2.8000e-003	0.0704	1.9100e-003	0.0723	0.0203	1.8300e-003	0.0221		299.7345	299.7345	0.0172		300.1645

Worker	0.2048	0.1357	1.8952	5.6200e-003	0.5701	4.4600e-003	0.5745	0.1512	4.1100e-003	0.1553		560.3433	560.3433	0.0155		560.7299
<b>Total</b>	<b>0.2362</b>	<b>1.1514</b>	<b>2.1593</b>	<b>8.4200e-003</b>	<b>0.6405</b>	<b>6.3700e-003</b>	<b>0.6469</b>	<b>0.1715</b>	<b>5.9400e-003</b>	<b>0.1774</b>		<b>860.0778</b>	<b>860.0778</b>	<b>0.0327</b>		<b>860.8944</b>

### 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	15.2801					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
<b>Total</b>	<b>15.4846</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

#### 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	0.0402	0.0266	0.3716	1.1000e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		109.8712	109.8712	3.0300e-003		109.9470
<b>Total</b>	<b>0.0402</b>	<b>0.0266</b>	<b>0.3716</b>	<b>1.1000e-003</b>	<b>0.1118</b>	<b>8.7000e-004</b>	<b>0.1127</b>	<b>0.0296</b>	<b>8.1000e-004</b>	<b>0.0305</b>		<b>109.8712</b>	<b>109.8712</b>	<b>3.0300e-003</b>		<b>109.9470</b>

#### 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	15.2801					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
<b>Total</b>	<b>15.4846</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

### 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	0.0402	0.0266	0.3716	1.1000e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		109.8712	109.8712	3.0300e-003		109.9470
<b>Total</b>	<b>0.0402</b>	<b>0.0266</b>	<b>0.3716</b>	<b>1.1000e-003</b>	<b>0.1118</b>	<b>8.7000e-004</b>	<b>0.1127</b>	<b>0.0296</b>	<b>8.1000e-004</b>	<b>0.0305</b>		<b>109.8712</b>	<b>109.8712</b>	<b>3.0300e-003</b>		<b>109.9470</b>

### 3.6 Paving - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.824	1,035.824	0.3017		1,043.367
												6	6			7

Paving	0.0310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6779</b>	<b>5.9174</b>	<b>7.0348</b>	<b>0.0113</b>		<b>0.2961</b>	<b>0.2961</b>		<b>0.2758</b>	<b>0.2758</b>		<b>1,035.824</b>	<b>1,035.824</b>	<b>0.3017</b>		<b>1,043.367</b>
												<b>6</b>	<b>6</b>			<b>7</b>

**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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
<b>Total</b>	<b>0.0723</b>	<b>0.0479</b>	<b>0.6689</b>	<b>1.9800e-003</b>	<b>0.2012</b>	<b>1.5700e-003</b>	<b>0.2028</b>	<b>0.0534</b>	<b>1.4500e-003</b>	<b>0.0548</b>		<b>197.7682</b>	<b>197.7682</b>	<b>5.4600e-003</b>		<b>197.9047</b>

**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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.824	1,035.824	0.3017		1,043.367
Paving	0.0310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6779</b>	<b>5.9174</b>	<b>7.0348</b>	<b>0.0113</b>		<b>0.2961</b>	<b>0.2961</b>		<b>0.2758</b>	<b>0.2758</b>	<b>0.0000</b>	<b>1,035.824</b>	<b>1,035.824</b>	<b>0.3017</b>		<b>1,043.367</b>
												<b>6</b>	<b>6</b>			<b>7</b>

**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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
<b>Total</b>	<b>0.0723</b>	<b>0.0479</b>	<b>0.6689</b>	<b>1.9800e-003</b>	<b>0.2012</b>	<b>1.5700e-003</b>	<b>0.2028</b>	<b>0.0534</b>	<b>1.4500e-003</b>	<b>0.0548</b>		<b>197.7682</b>	<b>197.7682</b>	<b>5.4600e-003</b>		<b>197.9047</b>

#### 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	0.8654	1.6516	8.3318	0.0227	2.0580	0.0221	2.0801	0.5496	0.0207	0.5704		2,345.7074	2,345.7074	0.1661		2,349.8610
Unmitigated	0.8654	1.6516	8.3318	0.0227	2.0580	0.0221	2.0801	0.5496	0.0207	0.5704		2,345.7074	2,345.7074	0.1661		2,349.8610

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	226.00	226.00	226.00	772,286	772,286
High Turnover (Sit Down Restaurant)	95.00	95.00	95.00	129,469	129,469

Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	32.00	32.00	32.00	69,211	69,211
Unenclosed Parking Structure	0.00	0.00	0.00		
<b>Total</b>	<b>353.00</b>	<b>353.00</b>	<b>353.00</b>	<b>970,965</b>	<b>970,965</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Unenclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
High Turnover (Sit Down	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Restaurant	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Regional Shopping Center	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Unenclosed Parking Structure	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

### 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
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Category	lb/day									lb/day						
NaturalGas Mitigated	0.0201	0.1752	0.0988	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.1183	219.1183	4.2000e-003	4.0200e-003	220.4204
NaturalGas Unmitigated	0.0228	0.1982	0.1102	1.2400e-003		0.0157	0.0157		0.0157	0.0157		248.2936	248.2936	4.7600e-003	4.5500e-003	249.7691

## 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					
Apartments Mid Rise	1473.78	0.0159	0.1358	0.0578	8.7000e-004		0.0110	0.0110		0.0110	0.0110		173.3862	173.3862	3.3200e-003	3.1800e-003	174.4166
High Turnover (Sit Down Restaurant)	632.219	6.8200e-003	0.0620	0.0521	3.7000e-004		4.7100e-003	4.7100e-003		4.7100e-003	4.7100e-003		74.3787	74.3787	1.4300e-003	1.3600e-003	74.8207
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
Regional Shopping Center	4.49315	5.0000e-005	4.4000e-004	3.7000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.5286	0.5286	1.0000e-005	1.0000e-005	0.5318
Unenclosed Parking Structure	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
<b>Total</b>		<b>0.0228</b>	<b>0.1982</b>	<b>0.1102</b>	<b>1.2400e-003</b>		<b>0.0157</b>	<b>0.0157</b>		<b>0.0157</b>	<b>0.0157</b>		<b>248.2936</b>	<b>248.2936</b>	<b>4.7600e-003</b>	<b>4.5500e-003</b>	<b>249.7691</b>

### 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					
Apartments Mid Rise	1.26569	0.0137	0.1166	0.0496	7.4000e-004		9.4300e-003	9.4300e-003		9.4300e-003	9.4300e-003		148.9049	148.9049	2.8500e-003	2.7300e-003	149.7898

High Turnover (Sit Down Restaurant)	0.593361	6.4000e-003	0.0582	0.0489	3.5000e-004		4.4200e-003	4.4200e-003		4.4200e-003	4.4200e-003		69.8071	69.8071	1.3400e-003	1.2800e-003	70.2220
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
Regional Shopping Center	0.0034534	4.0000e-005	3.4000e-004	2.8000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.4063	0.4063	1.0000e-005	1.0000e-005	0.4087
Unenclosed Parking Structure	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
<b>Total</b>		<b>0.0201</b>	<b>0.1752</b>	<b>0.0988</b>	<b>1.0900e-003</b>		<b>0.0139</b>	<b>0.0139</b>		<b>0.0139</b>	<b>0.0139</b>		<b>219.1183</b>	<b>219.1183</b>	<b>4.2000e-003</b>	<b>4.0200e-003</b>	<b>220.4204</b>

## 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	14.0733	1.0634	28.9754	0.0638		3.7654	3.7654		3.7654	3.7654	458.9790	889.2992	1,348.2782	1.3758	0.0312	1,391.9576
Unmitigated	14.0733	1.0634	28.9754	0.0638		3.7654	3.7654		3.7654	3.7654	458.9790	889.2992	1,348.2782	1.3758	0.0312	1,391.9576

### 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	0.0879					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	1.0226					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12.8398	1.0167	24.9190	0.0636		3.7430	3.7430		3.7430	3.7430	458.9790	882.0000	1,340.9790	1.3688	0.0312	1,384.4815
Landscaping	0.1231	0.0468	4.0563	2.1000e-004		0.0224	0.0224		0.0224	0.0224		7.2992	7.2992	7.0800e-003		7.4761
<b>Total</b>	<b>14.0733</b>	<b>1.0634</b>	<b>28.9754</b>	<b>0.0638</b>		<b>3.7654</b>	<b>3.7654</b>		<b>3.7654</b>	<b>3.7654</b>	<b>458.9790</b>	<b>889.2992</b>	<b>1,348.2782</b>	<b>1.3758</b>	<b>0.0312</b>	<b>1,391.9576</b>

**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	0.0879					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0226					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12.8398	1.0167	24.9190	0.0636		3.7430	3.7430		3.7430	3.7430	458.9790	882.0000	1,340.9790	1.3688	0.0312	1,384.4815
Landscaping	0.1231	0.0468	4.0563	2.1000e-004		0.0224	0.0224		0.0224	0.0224		7.2992	7.2992	7.0800e-003		7.4761
<b>Total</b>	<b>14.0733</b>	<b>1.0634</b>	<b>28.9754</b>	<b>0.0638</b>		<b>3.7654</b>	<b>3.7654</b>		<b>3.7654</b>	<b>3.7654</b>	<b>458.9790</b>	<b>889.2992</b>	<b>1,348.2782</b>	<b>1.3758</b>	<b>0.0312</b>	<b>1,391.9576</b>

**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

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

## 9.0 Operational Offroad

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

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### Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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## 11.0 Vegetation

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3700 Riverside Drive - Los Angeles-South Coast County, Winter

**3700 Riverside Drive**  
**Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	29.00	Space	0.26	11,600.00	0
Unenclosed Parking Structure	61.00	Space	0.00	24,400.00	0
High Turnover (Sit Down Restaurant)	1.00	1000sqft	0.02	1,000.00	0
Apartments Mid Rise	49.00	Dwelling Unit	0.31	49,000.00	140
Regional Shopping Center	1.00	1000sqft	0.02	1,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	12			<b>Operational Year</b>	2022
<b>Utility Company</b>	Burbank Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	1096.12	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - total 0.61 acres

Construction Phase - per construction questionnaire

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - per construction questionnaire

Demolition - Structure dimension 25ft \* 60ft \* 16ft, per CalEEMod appendix, 1 ft2 floor space = 10 ft3 original building volume, 1 ft2 represents 0.046

Grading -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Energy Mitigation - 10% over 2019 Title 24 (30% \* 110% = 33%)

Vehicle Trips - per TIA

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Woodstoves -

Area Coating - SCAQMD Rule 1113

Water Mitigation - CALGreen Low-flow fixtures

Waste Mitigation - AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	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	5.00	21.00
tblConstructionPhase	NumDays	100.00	210.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	5.00	22.00
tblGrading	MaterialExported	0.00	9,050.00
tblLandUse	LotAcreage	0.55	0.00
tblLandUse	LotAcreage	1.29	0.31
tblTripsAndVMT	HaulingTripLength	20.00	10.00

tblTripsAndVMT	HaulingTripLength	20.00	30.00
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tblVehicleEF	HHD	0.08	1.0000e-006
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tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
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tblVehicleEF	HHD	0.02	0.01
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tblVehicleEF	LDA	0.10	0.10
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tblVehicleEF	LDA	0.04	0.05
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tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
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tblVehicleEF	LDT1	0.15	0.24
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tblVehicleEF	LDT1	0.28	0.21

tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.65
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tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.18	0.35
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tblVehicleEF	LDT1	3.4320e-003	2.6328e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4209e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.10	0.10

tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.20	0.37
tblVehicleEF	LDT1	3.3780e-003	3.1081e-003
tblVehicleEF	LDT1	7.4500e-004	6.2806e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9910e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	341.38
tblVehicleEF	LDT2	78.07	68.34
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.04	0.07
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	3.8260e-003	3.3770e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004

tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.3202e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	353.53
tblVehicleEF	LDT2	78.07	67.60
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1510e-003	1.9051e-003
tblVehicleEF	LDT2	2.3580e-003	1.8881e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9790e-003	1.7535e-003
tblVehicleEF	LDT2	2.1690e-003	1.7361e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4975e-003
tblVehicleEF	LDT2	8.0000e-004	6.6897e-004
tblVehicleEF	LDT2	0.07	0.11

tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8889e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	336.92
tblVehicleEF	LDT2	78.07	68.50
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.29
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1510e-003	1.9051e-003
tblVehicleEF	LDT2	2.3580e-003	1.8881e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.9790e-003	1.7535e-003
tblVehicleEF	LDT2	2.1690e-003	1.7361e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3332e-003
tblVehicleEF	LDT2	8.0400e-004	6.7791e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13

tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.5830e-003
tblVehicleEF	LHD1	0.01	5.7240e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.21
tblVehicleEF	LHD1	33.34	12.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.65
tblVehicleEF	LHD1	1.01	0.33
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5670e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.27	0.08

tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5060e-003
tblVehicleEF	LHD1	3.8500e-004	1.2300e-004
tblVehicleEF	LHD1	3.1460e-003	2.5670e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.5954e-003
tblVehicleEF	LHD1	0.01	5.8424e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.67
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.23
tblVehicleEF	LHD1	33.34	12.33
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.61
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5654e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6788e-003
tblVehicleEF	LHD1	9.1270e-003	6.4418e-003
tblVehicleEF	LHD1	1.0140e-003	2.8484e-004
tblVehicleEF	LHD1	7.9000e-004	7.2381e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5160e-003	2.4197e-003
tblVehicleEF	LHD1	8.7050e-003	6.1334e-003

tblVehicleEF	LHD1	9.3300e-004	2.6190e-004
tblVehicleEF	LHD1	4.7100e-003	3.8555e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.2097e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6412e-005
tblVehicleEF	LHD1	5.9310e-003	6.5065e-003
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tblVehicleEF	LHD1	4.7100e-003	3.8555e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.2097e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.5810e-003
tblVehicleEF	LHD1	0.01	5.6943e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.65
tblVehicleEF	LHD1	2.81	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.20
tblVehicleEF	LHD1	33.34	12.44
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.64
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5654e-004

tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6788e-003
tblVehicleEF	LHD1	9.1270e-003	6.4418e-003
tblVehicleEF	LHD1	1.0140e-003	2.8484e-004
tblVehicleEF	LHD1	7.9000e-004	7.2381e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5160e-003	2.4197e-003
tblVehicleEF	LHD1	8.7050e-003	6.1334e-003
tblVehicleEF	LHD1	9.3300e-004	2.6190e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5424e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6412e-005
tblVehicleEF	LHD1	5.9300e-003	6.5063e-003
tblVehicleEF	LHD1	3.8600e-004	1.2311e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5424e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9120e-003
tblVehicleEF	LHD2	4.2980e-003	3.9650e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44

tblVehicleEF	LHD2	1.37	0.76
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.56
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.65	0.84
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.1380e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1380e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35

tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9205e-003
tblVehicleEF	LHD2	4.3570e-003	4.0115e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.73
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.36
tblVehicleEF	LHD2	27.88	9.50
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.79
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2521e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6195e-004
tblVehicleEF	LHD2	1.1110e-003	1.1979e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6540e-003	2.6334e-003
tblVehicleEF	LHD2	8.4540e-003	9.5766e-003
tblVehicleEF	LHD2	4.3100e-004	1.4891e-004
tblVehicleEF	LHD2	1.6960e-003	2.3398e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3640e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2897e-004

tblVehicleEF	LHD2	6.0210e-003	6.4599e-003
tblVehicleEF	LHD2	3.0300e-004	9.4017e-005
tblVehicleEF	LHD2	1.6960e-003	2.3398e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3640e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9103e-003
tblVehicleEF	LHD2	4.2820e-003	3.9536e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.38	0.77
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.57
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.82
tblVehicleEF	LHD2	0.56	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2521e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6195e-004
tblVehicleEF	LHD2	1.1110e-003	1.1979e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6540e-003	2.6334e-003
tblVehicleEF	LHD2	8.4540e-003	9.5766e-003
tblVehicleEF	LHD2	4.3100e-004	1.4891e-004

tblVehicleEF	LHD2	1.1610e-003	1.6251e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4304e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2897e-004
tblVehicleEF	LHD2	6.0210e-003	6.4598e-003
tblVehicleEF	LHD2	3.0400e-004	9.4725e-005
tblVehicleEF	LHD2	1.1610e-003	1.6251e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4304e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.94	19.19
tblVehicleEF	MCY	9.66	8.53
tblVehicleEF	MCY	188.92	223.45
tblVehicleEF	MCY	44.52	59.65
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66

tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.05	1.82
tblVehicleEF	MCY	2.2780e-003	2.2110e-003
tblVehicleEF	MCY	6.6300e-004	5.9000e-004
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	3.23	3.24
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.23	1.98
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.47
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.09
tblVehicleEF	MCY	44.52	57.74
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2974e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	2.2770e-003	2.2728e-003
tblVehicleEF	MCY	3.6360e-003	3.1037e-003
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	2.54	2.55

tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.1978e-003
tblVehicleEF	MCY	6.4300e-004	5.7139e-004
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.29
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.65
tblVehicleEF	MCY	44.52	59.99
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2974e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	2.2770e-003	2.2728e-003
tblVehicleEF	MCY	3.6360e-003	3.1037e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.62
tblVehicleEF	MCY	0.69	2.29
tblVehicleEF	MCY	2.09	1.86

tblVehicleEF	MCY	2.2800e-003	2.2132e-003
tblVehicleEF	MCY	6.6700e-004	5.9366e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.29
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5750e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.11
tblVehicleEF	MDV	512.22	419.24
tblVehicleEF	MDV	103.14	83.18
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1450e-003
tblVehicleEF	MDV	1.0750e-003	8.2300e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09

tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9929e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.33
tblVehicleEF	MDV	2.12	2.64
tblVehicleEF	MDV	534.67	432.09
tblVehicleEF	MDV	103.14	82.28
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0577e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.1720e-003	1.9193e-003
tblVehicleEF	MDV	2.3120e-003	1.8924e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2720e-003
tblVehicleEF	MDV	1.0680e-003	8.1425e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.04

tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4430e-003
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tblVehicleEF	MDV	1.29	1.18
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tblVehicleEF	MDV	503.99	414.54
tblVehicleEF	MDV	103.14	83.37
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0577e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.1720e-003	1.9193e-003
tblVehicleEF	MDV	2.3120e-003	1.8924e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0984e-003
tblVehicleEF	MDV	1.0760e-003	8.2506e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50

tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
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tblVehicleEF	MH	1.0370e-003	2.6100e-004
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tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.33	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0500e-004	1.9200e-004
tblVehicleEF	MH	0.95	0.84
tblVehicleEF	MH	0.07	0.06
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tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02

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tblVehicleEF	MH	5.44	2.03
tblVehicleEF	MH	1,130.03	1,501.27
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tblVehicleEF	MH	0.76	0.24
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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8352e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2020e-003	3.2445e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6069e-004
tblVehicleEF	MH	1.41	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.31	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9900e-004	1.9008e-004
tblVehicleEF	MH	1.41	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.34	0.10
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.22	1.20

tblVehicleEF	MH	5.83	2.18
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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8352e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2020e-003	3.2445e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6069e-004
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tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	1.54
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tblVehicleEF	MHD	7.7600e-004	1.2600e-004
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tblVehicleEF	MHD	0.03	0.02
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tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
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tblVehicleEF	MHD	1.1350e-003	6.6200e-004
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tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.2600e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07

tblVehicleEF	MHD	0.02	4.1571e-003
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tblVehicleEF	MHD	0.01	0.01
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tblVehicleEF	MHD	1.7000e-003	9.9254e-004
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0384e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
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tblVehicleEF	MHD	0.01	0.01

tblVehicleEF	MHD	7.3800e-004	1.1802e-004
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tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0384e-004
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tblVehicleEF	MHD	0.02	0.14
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tblVehicleEF	MHD	0.01	0.01
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tblVehicleEF	MHD	3.0000e-003	3.0000e-003
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tblVehicleEF	MHD	7.4400e-004	1.1946e-004
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tblVehicleEF	OBUS	1,260.49	1,392.48
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tblVehicleEF	OBUS	2.60	0.76
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tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004

tblVehicleEF	OBUS	1.0900e-004	7.5900e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4340e-003	1.8440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
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tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8131e-004
tblVehicleEF	OBUS	2.1010e-003	2.6888e-003
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tblVehicleEF	OBUS	1.0830e-003	1.3250e-003
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tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4183e-003
tblVehicleEF	OBUS	7.6880e-003	6.9833e-003
tblVehicleEF	OBUS	0.03	0.02

tblVehicleEF	OBUS	0.30	0.62
tblVehicleEF	OBUS	0.53	0.79
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.79
tblVehicleEF	OBUS	1,260.49	1,392.48
tblVehicleEF	OBUS	67.92	19.27
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.54
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5762e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9719e-004
tblVehicleEF	OBUS	1.3300e-004	9.1619e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8131e-004
tblVehicleEF	OBUS	1.4690e-003	1.9275e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2541e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	9.0168e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9073e-004
tblVehicleEF	OBUS	1.4690e-003	1.9275e-003
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2541e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0580e-003
tblVehicleEF	SBUS	0.06	6.2120e-003
tblVehicleEF	SBUS	8.15	2.77
tblVehicleEF	SBUS	0.72	0.59
tblVehicleEF	SBUS	7.31	0.85
tblVehicleEF	SBUS	1,121.00	351.72
tblVehicleEF	SBUS	1,079.30	1,109.67
tblVehicleEF	SBUS	55.06	5.24
tblVehicleEF	SBUS	9.20	3.22
tblVehicleEF	SBUS	4.17	4.87
tblVehicleEF	SBUS	12.12	0.88
tblVehicleEF	SBUS	9.3410e-003	4.1230e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	8.9370e-003	3.9440e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.0700e-004
tblVehicleEF	SBUS	0.03	7.8550e-003
tblVehicleEF	SBUS	0.97	0.32
tblVehicleEF	SBUS	1.7650e-003	4.8200e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.05

tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3550e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.2000e-005
tblVehicleEF	SBUS	3.3650e-003	9.0700e-004
tblVehicleEF	SBUS	0.03	7.8550e-003
tblVehicleEF	SBUS	1.40	0.46
tblVehicleEF	SBUS	1.7650e-003	4.8200e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1353e-003
tblVehicleEF	SBUS	0.06	5.5323e-003
tblVehicleEF	SBUS	8.04	2.74
tblVehicleEF	SBUS	0.73	0.60
tblVehicleEF	SBUS	5.94	0.69
tblVehicleEF	SBUS	1,171.46	359.77
tblVehicleEF	SBUS	1,079.30	1,109.69
tblVehicleEF	SBUS	55.06	4.98
tblVehicleEF	SBUS	9.50	3.29
tblVehicleEF	SBUS	3.93	4.59
tblVehicleEF	SBUS	12.09	0.87
tblVehicleEF	SBUS	7.8750e-003	3.4828e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.0715e-005
tblVehicleEF	SBUS	7.5340e-003	3.3322e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6670e-003	2.6821e-003

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.6630e-005
tblVehicleEF	SBUS	4.9570e-003	1.3203e-003
tblVehicleEF	SBUS	0.03	7.9968e-003
tblVehicleEF	SBUS	0.97	0.32
tblVehicleEF	SBUS	2.5080e-003	6.7365e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4311e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	4.9255e-005
tblVehicleEF	SBUS	4.9570e-003	1.3203e-003
tblVehicleEF	SBUS	0.03	7.9968e-003
tblVehicleEF	SBUS	1.40	0.45
tblVehicleEF	SBUS	2.5080e-003	6.7365e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.03
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0361e-003
tblVehicleEF	SBUS	0.07	6.3620e-003
tblVehicleEF	SBUS	8.31	2.83
tblVehicleEF	SBUS	0.72	0.58
tblVehicleEF	SBUS	7.56	0.88
tblVehicleEF	SBUS	1,051.30	340.60
tblVehicleEF	SBUS	1,079.30	1,109.67
tblVehicleEF	SBUS	55.06	5.29
tblVehicleEF	SBUS	8.80	3.13
tblVehicleEF	SBUS	4.10	4.79
tblVehicleEF	SBUS	12.13	0.88

tblVehicleEF	SBUS	0.01	5.0060e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.0715e-005
tblVehicleEF	SBUS	0.01	4.7894e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.6670e-003	2.6821e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.6630e-005
tblVehicleEF	SBUS	3.4320e-003	9.2014e-004
tblVehicleEF	SBUS	0.03	8.2564e-003
tblVehicleEF	SBUS	0.98	0.32
tblVehicleEF	SBUS	1.6940e-003	4.6258e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2500e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.2371e-005
tblVehicleEF	SBUS	3.4320e-003	9.2014e-004
tblVehicleEF	SBUS	0.03	8.2564e-003
tblVehicleEF	SBUS	1.41	0.46
tblVehicleEF	SBUS	1.6940e-003	4.6258e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.07
tblVehicleEF	UBUS	8.87	0.71

tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.53
tblVehicleEF	UBUS	9.98	0.48
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	0.85	0.08
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.5580e-003
tblVehicleEF	UBUS	1.1250e-003	8.4000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	3.56	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.07
tblVehicleEF	UBUS	7.69	0.62
tblVehicleEF	UBUS	1,968.89	1,988.80

tblVehicleEF	UBUS	96.56	8.38
tblVehicleEF	UBUS	9.41	0.48
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2119e-003
tblVehicleEF	UBUS	1.0870e-003	4.5679e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.0699e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	5.9080e-003	8.9257e-004
tblVehicleEF	UBUS	0.07	8.7355e-003
tblVehicleEF	UBUS	3.2830e-003	6.7974e-004
tblVehicleEF	UBUS	0.86	0.08
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.5579e-003
tblVehicleEF	UBUS	1.1050e-003	8.2963e-005
tblVehicleEF	UBUS	5.9080e-003	8.9257e-004
tblVehicleEF	UBUS	0.07	8.7355e-003
tblVehicleEF	UBUS	3.2830e-003	6.7974e-004
tblVehicleEF	UBUS	3.57	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.07
tblVehicleEF	UBUS	9.08	0.72
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.56

tblVehicleEF	UBUS	9.79	0.48
tblVehicleEF	UBUS	15.38	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2119e-003
tblVehicleEF	UBUS	1.0870e-003	4.5679e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9833e-003
tblVehicleEF	UBUS	0.13	3.0699e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.7000e-003	5.9523e-004
tblVehicleEF	UBUS	0.08	9.0202e-003
tblVehicleEF	UBUS	2.5010e-003	4.6505e-004
tblVehicleEF	UBUS	0.85	0.08
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.5579e-003
tblVehicleEF	UBUS	1.1290e-003	8.4707e-005
tblVehicleEF	UBUS	4.7000e-003	5.9523e-004
tblVehicleEF	UBUS	0.08	9.0202e-003
tblVehicleEF	UBUS	2.5010e-003	4.6505e-004
tblVehicleEF	UBUS	3.55	5.92
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	ST_TR	6.39	4.61
tblVehicleTrips	ST_TR	158.37	95.00
tblVehicleTrips	ST_TR	49.97	32.00
tblVehicleTrips	SU_TR	5.86	4.61
tblVehicleTrips	SU_TR	131.84	95.00
tblVehicleTrips	SU_TR	25.24	32.00
tblVehicleTrips	WD_TR	6.65	4.61



**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	14.0733	1.0634	28.9754	0.0638		3.7654	3.7654		3.7654	3.7654	458.9790	889.2992	1,348.2782	1.3758	0.0312	1,391.9576
Energy	0.0228	0.1982	0.1102	1.2400e-003		0.0157	0.0157		0.0157	0.0157		248.2936	248.2936	4.7600e-003	4.5500e-003	249.7691
Mobile	0.8901	1.7505	8.0449	0.0218	2.0580	0.0222	2.0802	0.5496	0.0208	0.5704		2,255.6845	2,255.6845	0.1697		2,259.9276
<b>Total</b>	<b>14.9862</b>	<b>3.0121</b>	<b>37.1305</b>	<b>0.0868</b>	<b>2.0580</b>	<b>3.8033</b>	<b>5.8613</b>	<b>0.5496</b>	<b>3.8019</b>	<b>4.3516</b>	<b>458.9790</b>	<b>3,393.2773</b>	<b>3,852.2563</b>	<b>1.5503</b>	<b>0.0357</b>	<b>3,901.6542</b>

**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	14.0733	1.0634	28.9754	0.0638		3.7654	3.7654		3.7654	3.7654	458.9790	889.2992	1,348.2782	1.3758	0.0312	1,391.9576
Energy	0.0201	0.1752	0.0988	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.1183	219.1183	4.2000e-003	4.0200e-003	220.4204
Mobile	0.8901	1.7505	8.0449	0.0218	2.0580	0.0222	2.0802	0.5496	0.0208	0.5704		2,255.6845	2,255.6845	0.1697		2,259.9276
<b>Total</b>	<b>14.9836</b>	<b>2.9890</b>	<b>37.1191</b>	<b>0.0867</b>	<b>2.0580</b>	<b>3.8015</b>	<b>5.8595</b>	<b>0.5496</b>	<b>3.8001</b>	<b>4.3497</b>	<b>458.9790</b>	<b>3,364.1020</b>	<b>3,823.0810</b>	<b>1.5498</b>	<b>0.0352</b>	<b>3,872.3056</b>

  

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.02</b>	<b>0.77</b>	<b>0.03</b>	<b>0.16</b>	<b>0.00</b>	<b>0.05</b>	<b>0.03</b>	<b>0.00</b>	<b>0.05</b>	<b>0.04</b>	<b>0.00</b>	<b>0.86</b>	<b>0.76</b>	<b>0.04</b>	<b>1.48</b>	<b>0.75</b>

### 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	5/1/2021	5/14/2021	5	10	
2	Grading	Grading	5/15/2021	6/11/2021	5	20	
3	Building Construction	Building Construction	6/12/2021	4/1/2022	5	210	
4	Architectural Coating	Architectural Coating	4/1/2022	4/30/2022	5	21	
5	Paving	Paving	5/1/2022	5/31/2022	5	22	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.26

Residential Indoor: 99,225; Residential Outdoor: 33,075; Non-Residential Indoor: 3,000; Non-Residential Outdoor: 1,000; Striped

#### 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	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
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	Signal Boards	1	8.00	6	0.82
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
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	11.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,131.00	14.70	6.90	30.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	51.00	11.00	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	10.00	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					0.2362	0.0000	0.2362	0.0358	0.0000	0.0358			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
<b>Total</b>	<b>0.7965</b>	<b>7.2530</b>	<b>7.5691</b>	<b>0.0120</b>	<b>0.2362</b>	<b>0.4073</b>	<b>0.6436</b>	<b>0.0358</b>	<b>0.3886</b>	<b>0.4244</b>		<b>1,147.4338</b>	<b>1,147.4338</b>	<b>0.2138</b>		<b>1,152.7797</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.6800e-003	0.1986	0.0453	4.7000e-004	9.6300e-003	4.9000e-004	0.0101	2.6400e-003	4.7000e-004	3.1100e-003		51.2290	51.2290	4.2400e-003		51.3350
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0477	0.0326	0.3683	1.0800e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2251	107.2251	3.1600e-003		107.3040
<b>Total</b>	<b>0.0534</b>	<b>0.2313</b>	<b>0.4135</b>	<b>1.5500e-003</b>	<b>0.1214</b>	<b>1.3900e-003</b>	<b>0.1228</b>	<b>0.0323</b>	<b>1.3000e-003</b>	<b>0.0336</b>		<b>158.4541</b>	<b>158.4541</b>	<b>7.4000e-003</b>		<b>158.6390</b>

**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					0.0875	0.0000	0.0875	0.0133	0.0000	0.0133			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
<b>Total</b>	<b>0.7965</b>	<b>7.2530</b>	<b>7.5691</b>	<b>0.0120</b>	<b>0.0875</b>	<b>0.4073</b>	<b>0.4949</b>	<b>0.0133</b>	<b>0.3886</b>	<b>0.4019</b>	<b>0.0000</b>	<b>1,147.4338</b>	<b>1,147.4338</b>	<b>0.2138</b>		<b>1,152.7797</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	Hauling	5.6800e-003	0.1986	0.0453	4.7000e-004	9.6300e-003	4.9000e-004	0.0101	2.6400e-003	4.7000e-004	3.1100e-003		51.2290	51.2290	4.2400e-003	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0477	0.0326	0.3683	1.0800e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2251	107.2251	3.1600e-003		107.3040
<b>Total</b>	<b>0.0534</b>	<b>0.2313</b>	<b>0.4135</b>	<b>1.5500e-003</b>	<b>0.1214</b>	<b>1.3900e-003</b>	<b>0.1228</b>	<b>0.0323</b>	<b>1.3000e-003</b>	<b>0.0336</b>		<b>158.4541</b>	<b>158.4541</b>	<b>7.4000e-003</b>		<b>158.6390</b>

### 3.3 Grading - 2021

#### Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Fugitive Dust					0.8039	0.0000	0.8039	0.4215	0.0000	0.4215			0.0000			0.0000
Off-Road	1.2839	12.4292	12.9149	0.0266		0.6034	0.6034		0.5690	0.5690		2,559.688 2	2,559.688 2	0.6706		2,576.452 9
<b>Total</b>	<b>1.2839</b>	<b>12.4292</b>	<b>12.9149</b>	<b>0.0266</b>	<b>0.8039</b>	<b>0.6034</b>	<b>1.4073</b>	<b>0.4215</b>	<b>0.5690</b>	<b>0.9905</b>		<b>2,559.688 2</b>	<b>2,559.688 2</b>	<b>0.6706</b>		<b>2,576.452 9</b>

#### Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Hauling	0.6738	20.4981	5.2152	0.0624	1.4826	0.0695	1.5521	0.4064	0.0665	0.4729		6,773.831 4	6,773.831 4	0.4546		6,785.197 5
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	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560

Total	0.7453	20.5470	5.7676	0.0640	1.6503	0.0709	1.7212	0.4508	0.0678	0.5186		6,934.669	6,934.669	0.4594		6,946.153
												1	1			4

**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					0.2979	0.0000	0.2979	0.1562	0.0000	0.1562			0.0000			0.0000
Off-Road	1.2839	12.4292	12.9149	0.0266		0.6034	0.6034		0.5690	0.5690	0.0000	2,559.688	2,559.688	0.6706		2,576.452
<b>Total</b>	<b>1.2839</b>	<b>12.4292</b>	<b>12.9149</b>	<b>0.0266</b>	<b>0.2979</b>	<b>0.6034</b>	<b>0.9013</b>	<b>0.1562</b>	<b>0.5690</b>	<b>0.7252</b>	<b>0.0000</b>	<b>2,559.688</b>	<b>2,559.688</b>	<b>0.6706</b>		<b>2,576.452</b>
												2	2			9

**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	0.6738	20.4981	5.2152	0.0624	1.4826	0.0695	1.5521	0.4064	0.0665	0.4729		6,773.831	6,773.831	0.4546		6,785.197
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	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
<b>Total</b>	<b>0.7453</b>	<b>20.5470</b>	<b>5.7676</b>	<b>0.0640</b>	<b>1.6503</b>	<b>0.0709</b>	<b>1.7212</b>	<b>0.4508</b>	<b>0.0678</b>	<b>0.5186</b>		<b>6,934.669</b>	<b>6,934.669</b>	<b>0.4594</b>		<b>6,946.153</b>
												1	1			4

**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	0.9079	9.3479	8.9546	0.0142		0.5023	0.5023		0.4633	0.4633		1,352.727 7	1,352.727 7	0.4267		1,363.394 5
<b>Total</b>	<b>0.9079</b>	<b>9.3479</b>	<b>8.9546</b>	<b>0.0142</b>		<b>0.5023</b>	<b>0.5023</b>		<b>0.4633</b>	<b>0.4633</b>		<b>1,352.727 7</b>	<b>1,352.727 7</b>	<b>0.4267</b>		<b>1,363.394 5</b>

### 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	0.0351	1.0658	0.3089	2.7500e-003	0.0704	2.2500e-003	0.0727	0.0203	2.1600e-003	0.0224		294.0801	294.0801	0.0190		294.5547
Worker	0.2432	0.1663	1.8781	5.4900e-003	0.5701	4.6100e-003	0.5747	0.1512	4.2400e-003	0.1554		546.8481	546.8481	0.0161		547.2504
<b>Total</b>	<b>0.2783</b>	<b>1.2321</b>	<b>2.1870</b>	<b>8.2400e-003</b>	<b>0.6405</b>	<b>6.8600e-003</b>	<b>0.6474</b>	<b>0.1715</b>	<b>6.4000e-003</b>	<b>0.1779</b>		<b>840.9281</b>	<b>840.9281</b>	<b>0.0351</b>		<b>841.8051</b>

### 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	0.9079	9.3479	8.9546	0.0142		0.5023	0.5023		0.4633	0.4633	0.0000	1,352.727 7	1,352.727 7	0.4267		1,363.394 5
<b>Total</b>	<b>0.9079</b>	<b>9.3479</b>	<b>8.9546</b>	<b>0.0142</b>		<b>0.5023</b>	<b>0.5023</b>		<b>0.4633</b>	<b>0.4633</b>	<b>0.0000</b>	<b>1,352.727 7</b>	<b>1,352.727 7</b>	<b>0.4267</b>		<b>1,363.394 5</b>

**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	0.0351	1.0658	0.3089	2.7500e-003	0.0704	2.2500e-003	0.0727	0.0203	2.1600e-003	0.0224		294.0801	294.0801	0.0190		294.5547
Worker	0.2432	0.1663	1.8781	5.4900e-003	0.5701	4.6100e-003	0.5747	0.1512	4.2400e-003	0.1554		546.8481	546.8481	0.0161		547.2504
<b>Total</b>	<b>0.2783</b>	<b>1.2321</b>	<b>2.1870</b>	<b>8.2400e-003</b>	<b>0.6405</b>	<b>6.8600e-003</b>	<b>0.6474</b>	<b>0.1715</b>	<b>6.4000e-003</b>	<b>0.1779</b>		<b>840.9281</b>	<b>840.9281</b>	<b>0.0351</b>		<b>841.8051</b>

**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	0.8133	8.3138	8.8409	0.0142		0.4204	0.4204		0.3879	0.3879		1,353.6442	1,353.6442	0.4270		1,364.3184
<b>Total</b>	<b>0.8133</b>	<b>8.3138</b>	<b>8.8409</b>	<b>0.0142</b>		<b>0.4204</b>	<b>0.4204</b>		<b>0.3879</b>	<b>0.3879</b>		<b>1,353.6442</b>	<b>1,353.6442</b>	<b>0.4270</b>		<b>1,364.3184</b>

**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	0.0330	1.0129	0.2924	2.7300e-003	0.0704	1.9700e-003	0.0724	0.0203	1.8900e-003	0.0222		291.4673	291.4673	0.0183		291.9253
Worker	0.2284	0.1502	1.7298	5.2900e-003	0.5701	4.4600e-003	0.5745	0.1512	4.1100e-003	0.1553		527.6304	527.6304	0.0145		527.9936
<b>Total</b>	<b>0.2614</b>	<b>1.1631</b>	<b>2.0222</b>	<b>8.0200e-003</b>	<b>0.6405</b>	<b>6.4300e-003</b>	<b>0.6469</b>	<b>0.1715</b>	<b>6.0000e-003</b>	<b>0.1775</b>		<b>819.0977</b>	<b>819.0977</b>	<b>0.0329</b>		<b>819.9189</b>

**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	0.8133	8.3138	8.8409	0.0142		0.4204	0.4204		0.3879	0.3879	0.0000	1,353.6442	1,353.6442	0.4270		1,364.3184
<b>Total</b>	<b>0.8133</b>	<b>8.3138</b>	<b>8.8409</b>	<b>0.0142</b>		<b>0.4204</b>	<b>0.4204</b>		<b>0.3879</b>	<b>0.3879</b>	<b>0.0000</b>	<b>1,353.6442</b>	<b>1,353.6442</b>	<b>0.4270</b>		<b>1,364.3184</b>

**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	0.0330	1.0129	0.2924	2.7300e-003	0.0704	1.9700e-003	0.0724	0.0203	1.8900e-003	0.0222		291.4673	291.4673	0.0183		291.9253

Worker	0.2284	0.1502	1.7298	5.2900e-003	0.5701	4.4600e-003	0.5745	0.1512	4.1100e-003	0.1553		527.6304	527.6304	0.0145		527.9936
<b>Total</b>	<b>0.2614</b>	<b>1.1631</b>	<b>2.0222</b>	<b>8.0200e-003</b>	<b>0.6405</b>	<b>6.4300e-003</b>	<b>0.6469</b>	<b>0.1715</b>	<b>6.0000e-003</b>	<b>0.1775</b>		<b>819.0977</b>	<b>819.0977</b>	<b>0.0329</b>		<b>819.9189</b>

### 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	15.2801					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
<b>Total</b>	<b>15.4846</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>			<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>	<b>281.9062</b>

#### 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
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
Worker	0.0448	0.0295	0.3392	1.0400e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305			103.4570	103.4570	2.8500e-003	103.5282
<b>Total</b>	<b>0.0448</b>	<b>0.0295</b>	<b>0.3392</b>	<b>1.0400e-003</b>	<b>0.1118</b>	<b>8.7000e-004</b>	<b>0.1127</b>	<b>0.0296</b>	<b>8.1000e-004</b>	<b>0.0305</b>			<b>103.4570</b>	<b>103.4570</b>	<b>2.8500e-003</b>	<b>103.5282</b>

#### 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
<b>Category</b>	lb/day										lb/day					
Archit. Coating	15.2801					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
<b>Total</b>	<b>15.4846</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**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
<b>Category</b>	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	0.0448	0.0295	0.3392	1.0400e-003	0.1118	8.7000e-004	0.1127	0.0296	8.1000e-004	0.0305		103.4570	103.4570	2.8500e-003		103.5282
<b>Total</b>	<b>0.0448</b>	<b>0.0295</b>	<b>0.3392</b>	<b>1.0400e-003</b>	<b>0.1118</b>	<b>8.7000e-004</b>	<b>0.1127</b>	<b>0.0296</b>	<b>8.1000e-004</b>	<b>0.0305</b>		<b>103.4570</b>	<b>103.4570</b>	<b>2.8500e-003</b>		<b>103.5282</b>

**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
<b>Category</b>	lb/day										lb/day					
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.824	1,035.824	0.3017		1,043.367
												6	6			7

Paving	0.0310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6779</b>	<b>5.9174</b>	<b>7.0348</b>	<b>0.0113</b>		<b>0.2961</b>	<b>0.2961</b>		<b>0.2758</b>	<b>0.2758</b>			<b>1,035.8246</b>	<b>1,035.8246</b>	<b>0.3017</b>	<b>1,043.3677</b>

**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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
<b>Total</b>	<b>0.0806</b>	<b>0.0530</b>	<b>0.6105</b>	<b>1.8700e-003</b>	<b>0.2012</b>	<b>1.5700e-003</b>	<b>0.2028</b>	<b>0.0534</b>	<b>1.4500e-003</b>	<b>0.0548</b>		<b>186.2225</b>	<b>186.2225</b>	<b>5.1300e-003</b>		<b>186.3507</b>

**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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6779</b>	<b>5.9174</b>	<b>7.0348</b>	<b>0.0113</b>		<b>0.2961</b>	<b>0.2961</b>		<b>0.2758</b>	<b>0.2758</b>	<b>0.0000</b>	<b>1,035.8246</b>	<b>1,035.8246</b>	<b>0.3017</b>		<b>1,043.3677</b>

**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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
<b>Total</b>	<b>0.0806</b>	<b>0.0530</b>	<b>0.6105</b>	<b>1.8700e-003</b>	<b>0.2012</b>	<b>1.5700e-003</b>	<b>0.2028</b>	<b>0.0534</b>	<b>1.4500e-003</b>	<b>0.0548</b>		<b>186.2225</b>	<b>186.2225</b>	<b>5.1300e-003</b>		<b>186.3507</b>

## 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	0.8901	1.7505	8.0449	0.0218	2.0580	0.0222	2.0802	0.5496	0.0208	0.5704		2,255.6845	2,255.6845	0.1697		2,259.9276
Unmitigated	0.8901	1.7505	8.0449	0.0218	2.0580	0.0222	2.0802	0.5496	0.0208	0.5704		2,255.6845	2,255.6845	0.1697		2,259.9276

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	226.00	226.00	226.00	772,286	772,286
High Turnover (Sit Down Restaurant)	95.00	95.00	95.00	129,469	129,469

Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	32.00	32.00	32.00	69,211	69,211
Unenclosed Parking Structure	0.00	0.00	0.00		
<b>Total</b>	<b>353.00</b>	<b>353.00</b>	<b>353.00</b>	<b>970,965</b>	<b>970,965</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Unenclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
High Turnover (Sit Down Restaurant)	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Regional Shopping Center	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Unenclosed Parking Structure	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

### 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	0.0201	0.1752	0.0988	1.1000e-003		0.0139	0.0139		0.0139	0.0139		219.1183	219.1183	4.2000e-003	4.0200e-003	220.4204
NaturalGas Unmitigated	0.0228	0.1982	0.1102	1.2400e-003		0.0157	0.0157		0.0157	0.0157		248.2936	248.2936	4.7600e-003	4.5500e-003	249.7691

## 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						
Apartments Mid Rise	1473.78	0.0159	0.1358	0.0578	8.7000e-004		0.0110	0.0110		0.0110	0.0110		173.3862	173.3862	3.3200e-003	3.1800e-003	174.4166
High Turnover (Sit Down Restaurant)	632.219	6.8200e-003	0.0620	0.0521	3.7000e-004		4.7100e-003	4.7100e-003		4.7100e-003	4.7100e-003		74.3787	74.3787	1.4300e-003	1.3600e-003	74.8207
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
Regional Shopping Center	4.49315	5.0000e-005	4.4000e-004	3.7000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.5286	0.5286	1.0000e-005	1.0000e-005	0.5318
Unenclosed Parking Structure	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
<b>Total</b>		<b>0.0228</b>	<b>0.1982</b>	<b>0.1102</b>	<b>1.2400e-003</b>		<b>0.0157</b>	<b>0.0157</b>		<b>0.0157</b>	<b>0.0157</b>		<b>248.2936</b>	<b>248.2936</b>	<b>4.7600e-003</b>	<b>4.5500e-003</b>	<b>249.7691</b>

### 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						
Apartments Mid Rise	1.26569	0.0137	0.1166	0.0496	7.4000e-004		9.4300e-003	9.4300e-003		9.4300e-003	9.4300e-003		148.9049	148.9049	2.8500e-003	2.7300e-003	149.7898

High Turnover (Sit Down Restaurant)	0.593361	6.4000e-003	0.0582	0.0489	3.5000e-004		4.4200e-003	4.4200e-003		4.4200e-003	4.4200e-003		69.8071	69.8071	1.3400e-003	1.2800e-003	70.2220
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
Regional Shopping Center	0.0034534	4.0000e-005	3.4000e-004	2.8000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.4063	0.4063	1.0000e-005	1.0000e-005	0.4087
Unenclosed Parking Structure	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
<b>Total</b>		<b>0.0201</b>	<b>0.1752</b>	<b>0.0988</b>	<b>1.0900e-003</b>		<b>0.0139</b>	<b>0.0139</b>		<b>0.0139</b>	<b>0.0139</b>		<b>219.1183</b>	<b>219.1183</b>	<b>4.2000e-003</b>	<b>4.0200e-003</b>	<b>220.4204</b>

## 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	14.0733	1.0634	28.9754	0.0638		3.7654	3.7654		3.7654	3.7654	458.9790	889.2992	1,348.2782	1.3758	0.0312	1,391.9576
Unmitigated	14.0733	1.0634	28.9754	0.0638		3.7654	3.7654		3.7654	3.7654	458.9790	889.2992	1,348.2782	1.3758	0.0312	1,391.9576

### 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	0.0879					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	1.0226				0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Hearth	12.8398	1.0167	24.9190	0.0636		3.7430	3.7430		3.7430	3.7430	458.9790	882.0000	1,340.9790	1.3688	0.0312	1,384.4815
Landscaping	0.1231	0.0468	4.0563	2.1000e-004		0.0224	0.0224		0.0224	0.0224		7.2992	7.2992	7.0800e-003		7.4761
<b>Total</b>	<b>14.0733</b>	<b>1.0634</b>	<b>28.9754</b>	<b>0.0638</b>		<b>3.7654</b>	<b>3.7654</b>		<b>3.7654</b>	<b>3.7654</b>	<b>458.9790</b>	<b>889.2992</b>	<b>1,348.2782</b>	<b>1.3758</b>	<b>0.0312</b>	<b>1,391.9576</b>

## 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	0.0879					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0226					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12.8398	1.0167	24.9190	0.0636		3.7430	3.7430		3.7430	3.7430	458.9790	882.0000	1,340.9790	1.3688	0.0312	1,384.4815
Landscaping	0.1231	0.0468	4.0563	2.1000e-004		0.0224	0.0224		0.0224	0.0224		7.2992	7.2992	7.0800e-003		7.4761
<b>Total</b>	<b>14.0733</b>	<b>1.0634</b>	<b>28.9754</b>	<b>0.0638</b>		<b>3.7654</b>	<b>3.7654</b>		<b>3.7654</b>	<b>3.7654</b>	<b>458.9790</b>	<b>889.2992</b>	<b>1,348.2782</b>	<b>1.3758</b>	<b>0.0312</b>	<b>1,391.9576</b>

## 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

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

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### Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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## 11.0 Vegetation

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3700 Riverside Drive - Los Angeles-South Coast County, Annual

**Existing Trip Credit  
Los Angeles-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Automobile Care Center	1.00	1000sqft	0.61	1,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	12			<b>Operational Year</b>	2022
<b>Utility Company</b>	Burbank Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	1096.12	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -  
 Land Use - total 0.61 acres  
 Construction Phase -  
 Off-road Equipment -  
 Off-road Equipment -  
 Off-road Equipment -  
 Off-road Equipment -  
 Trips and VMT - per construction questionnaire  
 Demolition -  
 Grading -

- Architectural Coating -
- Construction Off-road Equipment Mitigation -
- Energy Mitigation -
- Vehicle Trips - per TIA
- Vehicle Emission Factors - EMFAC2017
- Vehicle Emission Factors - EMFAC2017
- Vehicle Emission Factors - EMFAC2017
- Woodstoves -
- Area Coating -
- Water Mitigation -
- Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblLandUse	LotAcreage	0.02	0.61
tblTripsAndVMT	HaulingTripNumber	0.00	1,131.00
tblVehicleTrips	ST_TR	23.72	360.00
tblVehicleTrips	SU_TR	11.88	360.00
tblVehicleTrips	WD_TR	23.72	360.00

## 2.0 Emissions Summary

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### 2.1 Overall Construction

#### Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
2020	0.0553	0.6742	0.4707	1.1200e-003	0.0128	0.0303	0.0431	3.5700e-003	0.0280	0.0315	0.0000	103.1455	103.1455	0.0210	0.0000	103.6706
2021	5.5800e-003	7.2100e-003	8.4300e-003	1.0000e-005	1.0000e-004	4.1000e-004	5.1000e-004	3.0000e-005	4.0000e-004	4.3000e-004	0.0000	1.1969	1.1969	1.8000e-004	0.0000	1.2015

Maximum	0.0553	0.6742	0.4707	1.1200e-003	0.0128	0.0303	0.0431	3.5700e-003	0.0280	0.0315	0.0000	103.1455	103.1455	0.0210	0.0000	103.6706
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**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					
2020	0.0553	0.6742	0.4707	1.1200e-003	0.0128	0.0303	0.0431	3.5700e-003	0.0280	0.0315	0.0000	103.1455	103.1455	0.0210	0.0000	103.6706
2021	5.5800e-003	7.2100e-003	8.4300e-003	1.0000e-005	1.0000e-004	4.1000e-004	5.1000e-004	3.0000e-005	4.0000e-004	4.3000e-004	0.0000	1.1969	1.1969	1.8000e-004	0.0000	1.2015
Maximum	0.0553	0.6742	0.4707	1.1200e-003	0.0128	0.0303	0.0431	3.5700e-003	0.0280	0.0315	0.0000	103.1455	103.1455	0.0210	0.0000	103.6706

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-23-2020	10-22-2020	0.4354	0.4354
2	10-23-2020	1-22-2021	0.2512	0.2512
		Highest	0.4354	0.4354

**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	4.0800e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005

Energy	1.0000e-004	8.9000e-004	7.5000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	6.4847	6.4847	1.6000e-004	5.0000e-005	6.5031
Mobile	0.0799	0.3725	0.7635	2.3900e-003	0.1830	2.0900e-003	0.1851	0.0491	1.9500e-003	0.0510	0.0000	221.4969	221.4969	0.0130	0.0000	221.8221
Waste						0.0000	0.0000		0.0000	0.0000	0.7754	0.0000	0.7754	0.0458	0.0000	1.9211
Water						0.0000	0.0000		0.0000	0.0000	0.0299	0.9276	0.9574	3.0900e-003	8.0000e-005	1.0578
<b>Total</b>	<b>0.0841</b>	<b>0.3734</b>	<b>0.7642</b>	<b>2.4000e-003</b>	<b>0.1830</b>	<b>2.1600e-003</b>	<b>0.1852</b>	<b>0.0491</b>	<b>2.0200e-003</b>	<b>0.0511</b>	<b>0.8053</b>	<b>228.9092</b>	<b>229.7145</b>	<b>0.0621</b>	<b>1.3000e-004</b>	<b>231.3040</b>

### 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	4.0800e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Energy	1.0000e-004	8.9000e-004	7.5000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	6.4847	6.4847	1.6000e-004	5.0000e-005	6.5031
Mobile	0.0799	0.3725	0.7635	2.3900e-003	0.1830	2.0900e-003	0.1851	0.0491	1.9500e-003	0.0510	0.0000	221.4969	221.4969	0.0130	0.0000	221.8221
Waste						0.0000	0.0000		0.0000	0.0000	0.7754	0.0000	0.7754	0.0458	0.0000	1.9211
Water						0.0000	0.0000		0.0000	0.0000	0.0299	0.9276	0.9574	3.0900e-003	8.0000e-005	1.0578
<b>Total</b>	<b>0.0841</b>	<b>0.3734</b>	<b>0.7642</b>	<b>2.4000e-003</b>	<b>0.1830</b>	<b>2.1600e-003</b>	<b>0.1852</b>	<b>0.0491</b>	<b>2.0200e-003</b>	<b>0.0511</b>	<b>0.8053</b>	<b>228.9092</b>	<b>229.7145</b>	<b>0.0621</b>	<b>1.3000e-004</b>	<b>231.3040</b>

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

## 3.0 Construction Detail

### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
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1	Demolition	Demolition	7/23/2020	8/5/2020	5	10
2	Grading	Grading	8/6/2020	8/7/2020	5	2
3	Building Construction	Building Construction	8/8/2020	12/25/2020	5	100
4	Paving	Paving	12/26/2020	1/1/2021	5	5
5	Architectural Coating	Architectural Coating	1/2/2021	1/8/2021	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: 1,500; Non-Residential Outdoor: 500; 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
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Demolition	4	10.00	0.00	11.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	1,131.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	0.00	0.00	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 - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1800e-003	0.0000	1.1800e-003	1.8000e-004	0.0000	1.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3400e-003	0.0394	0.0381	6.0000e-005		2.3400e-003	2.3400e-003		2.2300e-003	2.2300e-003	0.0000	5.2038	5.2038	9.8000e-004	0.0000	5.2284
<b>Total</b>	<b>4.3400e-003</b>	<b>0.0394</b>	<b>0.0381</b>	<b>6.0000e-005</b>	<b>1.1800e-003</b>	<b>2.3400e-003</b>	<b>3.5200e-003</b>	<b>1.8000e-004</b>	<b>2.2300e-003</b>	<b>2.4100e-003</b>	<b>0.0000</b>	<b>5.2038</b>	<b>5.2038</b>	<b>9.8000e-004</b>	<b>0.0000</b>	<b>5.2284</b>

#### 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	5.0000e-005	1.6300e-003	3.6000e-004	0.0000	9.0000e-005	1.0000e-005	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4239	0.4239	3.0000e-005	0.0000	0.4247
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	2.3000e-004	1.9000e-004	2.0600e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5107	0.5107	2.0000e-005	0.0000	0.5111

Total	2.8000e-004	1.8200e-003	2.4200e-003	1.0000e-005	6.4000e-004	1.0000e-005	6.5000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.9346	0.9346	5.0000e-005	0.0000	0.9358
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### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1800e-003	0.0000	1.1800e-003	1.8000e-004	0.0000	1.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3400e-003	0.0394	0.0381	6.0000e-005		2.3400e-003	2.3400e-003		2.2300e-003	2.2300e-003	0.0000	5.2038	5.2038	9.8000e-004	0.0000	5.2284
<b>Total</b>	<b>4.3400e-003</b>	<b>0.0394</b>	<b>0.0381</b>	<b>6.0000e-005</b>	<b>1.1800e-003</b>	<b>2.3400e-003</b>	<b>3.5200e-003</b>	<b>1.8000e-004</b>	<b>2.2300e-003</b>	<b>2.4100e-003</b>	<b>0.0000</b>	<b>5.2038</b>	<b>5.2038</b>	<b>9.8000e-004</b>	<b>0.0000</b>	<b>5.2284</b>

### 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	5.0000e-005	1.6300e-003	3.6000e-004	0.0000	9.0000e-005	1.0000e-005	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4239	0.4239	3.0000e-005	0.0000	0.4247
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	2.3000e-004	1.9000e-004	2.0600e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5107	0.5107	2.0000e-005	0.0000	0.5111
<b>Total</b>	<b>2.8000e-004</b>	<b>1.8200e-003</b>	<b>2.4200e-003</b>	<b>1.0000e-005</b>	<b>6.4000e-004</b>	<b>1.0000e-005</b>	<b>6.5000e-004</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.9346</b>	<b>0.9346</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.9358</b>

## 3.3 Grading - 2020

### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-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	8.7000e-004	7.8700e-003	7.6200e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.5000e-004	4.5000e-004	0.0000	1.0408	1.0408	2.0000e-004	0.0000	1.0457
<b>Total</b>	<b>8.7000e-004</b>	<b>7.8700e-003</b>	<b>7.6200e-003</b>	<b>1.0000e-005</b>	<b>7.5000e-004</b>	<b>4.7000e-004</b>	<b>1.2200e-003</b>	<b>4.1000e-004</b>	<b>4.5000e-004</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>1.0408</b>	<b>1.0408</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>1.0457</b>

### 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	4.9900e-003	0.1679	0.0370	4.4000e-004	9.7200e-003	5.2000e-004	0.0102	2.6700e-003	5.0000e-004	3.1700e-003	0.0000	43.5877	43.5877	3.0400e-003	0.0000	43.6636
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	4.1000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1021	0.1021	0.0000	0.0000	0.1022
<b>Total</b>	<b>5.0400e-003</b>	<b>0.1680</b>	<b>0.0374</b>	<b>4.4000e-004</b>	<b>9.8300e-003</b>	<b>5.2000e-004</b>	<b>0.0104</b>	<b>2.7000e-003</b>	<b>5.0000e-004</b>	<b>3.2000e-003</b>	<b>0.0000</b>	<b>43.6899</b>	<b>43.6899</b>	<b>3.0400e-003</b>	<b>0.0000</b>	<b>43.7659</b>

### 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	8.7000e-004	7.8700e-003	7.6200e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.5000e-004	4.5000e-004	0.0000	1.0408	1.0408	2.0000e-004	0.0000	1.0457

Total	8.7000e-004	7.8700e-003	7.6200e-003	1.0000e-005	7.5000e-004	4.7000e-004	1.2200e-003	4.1000e-004	4.5000e-004	8.6000e-004	0.0000	1.0408	1.0408	2.0000e-004	0.0000	1.0457
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**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	4.9900e-003	0.1679	0.0370	4.4000e-004	9.7200e-003	5.2000e-004	0.0102	2.6700e-003	5.0000e-004	3.1700e-003	0.0000	43.5877	43.5877	3.0400e-003	0.0000	43.6636
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	4.1000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1021	0.1021	0.0000	0.0000	0.1022
<b>Total</b>	<b>5.0400e-003</b>	<b>0.1680</b>	<b>0.0374</b>	<b>4.4000e-004</b>	<b>9.8300e-003</b>	<b>5.2000e-004</b>	<b>0.0104</b>	<b>2.7000e-003</b>	<b>5.0000e-004</b>	<b>3.2000e-003</b>	<b>0.0000</b>	<b>43.6899</b>	<b>43.6899</b>	<b>3.0400e-003</b>	<b>0.0000</b>	<b>43.7659</b>

**3.4 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0431	0.4426	0.3694	5.7000e-004		0.0261	0.0261		0.0240	0.0240	0.0000	50.0302	50.0302	0.0162	0.0000	50.4348
<b>Total</b>	<b>0.0431</b>	<b>0.4426</b>	<b>0.3694</b>	<b>5.7000e-004</b>		<b>0.0261</b>	<b>0.0261</b>		<b>0.0240</b>	<b>0.0240</b>	<b>0.0000</b>	<b>50.0302</b>	<b>50.0302</b>	<b>0.0162</b>	<b>0.0000</b>	<b>50.4348</b>

**Unmitigated Construction Off-Site**



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	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### 3.5 Paving - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.5400e-003	0.0145	0.0142	2.0000e-005		7.9000e-004	7.9000e-004		7.3000e-004	7.3000e-004	0.0000	1.8786	1.8786	5.5000e-004	0.0000	1.8923
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.5400e-003</b>	<b>0.0145</b>	<b>0.0142</b>	<b>2.0000e-005</b>		<b>7.9000e-004</b>	<b>7.9000e-004</b>		<b>7.3000e-004</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>1.8786</b>	<b>1.8786</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>1.8923</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.3000e-004	1.4800e-003	0.0000	3.9000e-004	0.0000	4.0000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.3677	0.3677	1.0000e-005	0.0000	0.3680
<b>Total</b>	<b>1.7000e-004</b>	<b>1.3000e-004</b>	<b>1.4800e-003</b>	<b>0.0000</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>4.0000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>0.3677</b>	<b>0.3677</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3680</b>

#### 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	1.5400e-003	0.0145	0.0142	2.0000e-005		7.9000e-004	7.9000e-004		7.3000e-004	7.3000e-004	0.0000	1.8786	1.8786	5.5000e-004	0.0000	1.8923
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.5400e-003</b>	<b>0.0145</b>	<b>0.0142</b>	<b>2.0000e-005</b>		<b>7.9000e-004</b>	<b>7.9000e-004</b>		<b>7.3000e-004</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>1.8786</b>	<b>1.8786</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>1.8923</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.3000e-004	1.4800e-003	0.0000	3.9000e-004	0.0000	4.0000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.3677	0.3677	1.0000e-005	0.0000	0.3680
<b>Total</b>	<b>1.7000e-004</b>	<b>1.3000e-004</b>	<b>1.4800e-003</b>	<b>0.0000</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>4.0000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>0.3677</b>	<b>0.3677</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3680</b>

### 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	3.6000e-004	3.3600e-003	3.5400e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.6000e-004	1.6000e-004	0.0000	0.4696	0.4696	1.4000e-004	0.0000	0.4730

Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.6000e-004</b>	<b>3.3600e-003</b>	<b>3.5400e-003</b>	<b>1.0000e-005</b>		<b>1.8000e-004</b>	<b>1.8000e-004</b>		<b>1.6000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.4696</b>	<b>0.4696</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.4730</b>

**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	3.4000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0890	0.0890	0.0000	0.0000	0.0891
<b>Total</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0890</b>	<b>0.0890</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0891</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6000e-004	3.3600e-003	3.5400e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.6000e-004	1.6000e-004	0.0000	0.4696	0.4696	1.4000e-004	0.0000	0.4730
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.6000e-004</b>	<b>3.3600e-003</b>	<b>3.5400e-003</b>	<b>1.0000e-005</b>		<b>1.8000e-004</b>	<b>1.8000e-004</b>		<b>1.6000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.4696</b>	<b>0.4696</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.4730</b>

**Mitigated Construction Off-Site**



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	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	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	4.6300e-003					0.0000	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	
<b>Total</b>	<b>5.1800e-003</b>	<b>3.8200e-003</b>	<b>4.5400e-003</b>	<b>1.0000e-005</b>		<b>2.4000e-004</b>	<b>2.4000e-004</b>		<b>2.4000e-004</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.6383</b>	<b>0.6383</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.6394</b>	

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	0.0799	0.3725	0.7635	2.3900e-003	0.1830	2.0900e-003	0.1851	0.0491	1.9500e-003	0.0510	0.0000	221.4969	221.4969	0.0130	0.0000	221.8221
Unmitigated	0.0799	0.3725	0.7635	2.3900e-003	0.1830	2.0900e-003	0.1851	0.0491	1.9500e-003	0.0510	0.0000	221.4969	221.4969	0.0130	0.0000	221.8221

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	360.00	360.00	360.00	482,239	482,239
Total	360.00	360.00	360.00	482,239	482,239

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

## 5.0 Energy Detail

Historical Energy Use: N

## 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5.5188	5.5188	1.5000e-004	3.0000e-005	5.5315
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5.5188	5.5188	1.5000e-004	3.0000e-005	5.5315
NaturalGas Mitigated	1.0000e-004	8.9000e-004	7.5000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.9659	0.9659	2.0000e-005	2.0000e-005	0.9716
NaturalGas Unmitigated	1.0000e-004	8.9000e-004	7.5000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.9659	0.9659	2.0000e-005	2.0000e-005	0.9716

## 5.2 Energy by Land Use - NaturalGas

### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	18100	1.0000e-004	8.9000e-004	7.5000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.9659	0.9659	2.0000e-005	2.0000e-005	0.9716
<b>Total</b>		<b>1.0000e-004</b>	<b>8.9000e-004</b>	<b>7.5000e-004</b>	<b>1.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.9659</b>	<b>0.9659</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.9716</b>

### Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	18100	1.0000e-004	8.9000e-004	7.5000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.9659	0.9659	2.0000e-005	2.0000e-005	0.9716
<b>Total</b>		<b>1.0000e-004</b>	<b>8.9000e-004</b>	<b>7.5000e-004</b>	<b>1.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>		<b>7.0000e-005</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.9659</b>	<b>0.9659</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.9716</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	11100	5.5188	1.5000e-004	3.0000e-005	5.5315
<b>Total</b>		<b>5.5188</b>	<b>1.5000e-004</b>	<b>3.0000e-005</b>	<b>5.5315</b>

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	11100	5.5188	1.5000e-004	3.0000e-005	5.5315
<b>Total</b>		<b>5.5188</b>	<b>1.5000e-004</b>	<b>3.0000e-005</b>	<b>5.5315</b>

## 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	4.0800e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Unmitigated	4.0800e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005

### 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	4.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.6100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
<b>Total</b>	<b>4.0700e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

#### 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	4.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.6100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
<b>Total</b>	<b>4.0700e-003</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.9574	3.0900e-003	8.0000e-005	1.0578
Unmitigated	0.9574	3.0900e-003	8.0000e-005	1.0578

### 7.2 Water by Land Use

#### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
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Land Use	Mgal	MT/yr			
Automobile Care Center	0.0940811 /	0.9574	3.0900e-003	8.0000e-005	1.0578
<b>Total</b>		<b>0.9574</b>	<b>3.0900e-003</b>	<b>8.0000e-005</b>	<b>1.0578</b>

**Mitigated**

Land Use	Mgal	MT/yr			
Automobile Care Center	0.0940811 /	0.9574	3.0900e-003	8.0000e-005	1.0578
<b>Total</b>		<b>0.9574</b>	<b>3.0900e-003</b>	<b>8.0000e-005</b>	<b>1.0578</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.7754	0.0458	0.0000	1.9211

Unmitigated	0.7754	0.0458	0.0000	1.9211
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## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	3.82	0.7754	0.0458	0.0000	1.9211
<b>Total</b>		<b>0.7754</b>	<b>0.0458</b>	<b>0.0000</b>	<b>1.9211</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	3.82	0.7754	0.0458	0.0000	1.9211
<b>Total</b>		<b>0.7754</b>	<b>0.0458</b>	<b>0.0000</b>	<b>1.9211</b>

## 9.0 Operational Offroad

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

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## Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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# 11.0 Vegetation

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3700 Riverside Drive - Los Angeles-South Coast County, Summer

**Existing Trip Credit  
Los Angeles-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Automobile Care Center	1.00	1000sqft	0.61	1,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	12			<b>Operational Year</b>	2022
<b>Utility Company</b>	Burbank Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	1096.12	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - total 0.61 acres
- Construction Phase -
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Trips and VMT - per construction questionnaire
- Demolition -
- Grading -

Architectural Coating -  
 Construction Off-road Equipment Mitigation -  
 Energy Mitigation -  
 Vehicle Trips - per TIA  
 Vehicle Emission Factors - EMFAC2017  
 Vehicle Emission Factors - EMFAC2017  
 Vehicle Emission Factors - EMFAC2017  
 Woodstoves -  
 Area Coating -  
 Water Mitigation -  
 Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblLandUse	LotAcreage	0.02	0.61
tblTripsAndVMT	HaulingTripNumber	0.00	1,131.00
tblVehicleTrips	ST_TR	23.72	360.00
tblVehicleTrips	SU_TR	11.88	360.00
tblVehicleTrips	WD_TR	23.72	360.00

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
2020	5.8530	170.5099	44.0920	0.4598	10.7520	0.9871	11.7391	3.1537	0.9430	4.0968	0.0000	49,662.13	49,662.13	3.5148	0.0000	49,750.00
												57	57			67
2021	2.0729	6.7708	7.8149	0.0133	0.2012	0.3550	0.5562	0.0534	0.3301	0.3834	0.0000	1,240.321	1,240.321	0.3076	0.0000	1,248.011
												1	1			4

Maximum	5.8530	170.5099	44.0920	0.4598	10.7520	0.9871	11.7391	3.1537	0.9430	4.0968	0.0000	49,662.13 57	49,662.13 57	3.5148	0.0000	49,750.00 67
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### 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					
2020	5.8530	170.5099	44.0920	0.4598	10.7520	0.9871	11.7391	3.1537	0.9430	4.0968	0.0000	49,662.13 57	49,662.13 57	3.5148	0.0000	49,750.00 67
2021	2.0729	6.7708	7.8149	0.0133	0.2012	0.3550	0.5562	0.0534	0.3301	0.3834	0.0000	1,240.321 1	1,240.321 1	0.3076	0.0000	1,248.011 4
Maximum	5.8530	170.5099	44.0920	0.4598	10.7520	0.9871	11.7391	3.1537	0.9430	4.0968	0.0000	49,662.13 57	49,662.13 57	3.5148	0.0000	49,750.00 67

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

## 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	0.0224	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	5.3000e-004	4.8600e-003	4.0800e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		5.8340	5.8340	1.1000e-004	1.1000e-004	5.8687
Mobile	0.4692	1.9999	4.2137	0.0136	1.0255	0.0114	1.0369	0.2744	0.0107	0.2851		1,390.504 4	1,390.504 4	0.0783		1,392.460 8
Total	0.4921	2.0048	4.2179	0.0137	1.0255	0.0118	1.0373	0.2744	0.0110	0.2855		1,396.338 6	1,396.338 6	0.0784	1.1000e-004	1,398.329 7

**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	0.0224	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	5.3000e-004	4.8600e-003	4.0800e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		5.8340	5.8340	1.1000e-004	1.1000e-004	5.8687
Mobile	0.4692	1.9999	4.2137	0.0136	1.0255	0.0114	1.0369	0.2744	0.0107	0.2851		1,390.5044	1,390.5044	0.0783		1,392.4608
<b>Total</b>	<b>0.4921</b>	<b>2.0048</b>	<b>4.2179</b>	<b>0.0137</b>	<b>1.0255</b>	<b>0.0118</b>	<b>1.0373</b>	<b>0.2744</b>	<b>0.0110</b>	<b>0.2855</b>		<b>1,396.3386</b>	<b>1,396.3386</b>	<b>0.0784</b>	<b>1.1000e-004</b>	<b>1,398.3297</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/23/2020	8/5/2020	5	10	
2	Grading	Grading	8/6/2020	8/7/2020	5	2	
3	Building Construction	Building Construction	8/8/2020	12/25/2020	5	100	
4	Paving	Paving	12/26/2020	1/1/2021	5	5	
5	Architectural Coating	Architectural Coating	1/2/2021	1/8/2021	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: 1,500; Non-Residential Outdoor: 500; 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	11.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	1,131.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	0.00	0.00	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 - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2362	0.0000	0.2362	0.0358	0.0000	0.0358			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.2352	1,147.2352	0.2169		1,152.6578
<b>Total</b>	<b>0.8674</b>	<b>7.8729</b>	<b>7.6226</b>	<b>0.0120</b>	<b>0.2362</b>	<b>0.4672</b>	<b>0.7034</b>	<b>0.0358</b>	<b>0.4457</b>	<b>0.4814</b>		<b>1,147.2352</b>	<b>1,147.2352</b>	<b>0.2169</b>		<b>1,152.6578</b>

**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	9.6100e-003	0.3163	0.0701	8.7000e-004	0.0192	1.0100e-003	0.0202	5.2700e-003	9.7000e-004	6.2400e-003		94.1415	94.1415	6.4100e-003		94.3017
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	0.0460	0.0327	0.4378	1.1800e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		117.6113	117.6113	3.7100e-003		117.7040
<b>Total</b>	<b>0.0556</b>	<b>0.3490</b>	<b>0.5079</b>	<b>2.0500e-003</b>	<b>0.1310</b>	<b>1.9400e-003</b>	<b>0.1330</b>	<b>0.0349</b>	<b>1.8300e-003</b>	<b>0.0367</b>		<b>211.7528</b>	<b>211.7528</b>	<b>0.0101</b>		<b>212.0057</b>

**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					0.2362	0.0000	0.2362	0.0358	0.0000	0.0358			0.0000			0.0000

Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457	0.0000	1,147.235 2	1,147.235 2	0.2169		1,152.657 8
<b>Total</b>	<b>0.8674</b>	<b>7.8729</b>	<b>7.6226</b>	<b>0.0120</b>	<b>0.2362</b>	<b>0.4672</b>	<b>0.7034</b>	<b>0.0358</b>	<b>0.4457</b>	<b>0.4814</b>	<b>0.0000</b>	<b>1,147.235 2</b>	<b>1,147.235 2</b>	<b>0.2169</b>		<b>1,152.657 8</b>

**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	9.6100e-003	0.3163	0.0701	8.7000e-004	0.0192	1.0100e-003	0.0202	5.2700e-003	9.7000e-004	6.2400e-003			94.1415	94.1415	6.4100e-003		94.3017
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	0.0460	0.0327	0.4378	1.1800e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305			117.6113	117.6113	3.7100e-003		117.7040
<b>Total</b>	<b>0.0556</b>	<b>0.3490</b>	<b>0.5079</b>	<b>2.0500e-003</b>	<b>0.1310</b>	<b>1.9400e-003</b>	<b>0.1330</b>	<b>0.0349</b>	<b>1.8300e-003</b>	<b>0.0367</b>			<b>211.7528</b>	<b>211.7528</b>	<b>0.0101</b>		<b>212.0057</b>

**3.3 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000	
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457			1,147.235 2	1,147.235 2	0.2169		1,152.657 8
<b>Total</b>	<b>0.8674</b>	<b>7.8729</b>	<b>7.6226</b>	<b>0.0120</b>	<b>0.7528</b>	<b>0.4672</b>	<b>1.2200</b>	<b>0.4138</b>	<b>0.4457</b>	<b>0.8595</b>			<b>1,147.235 2</b>	<b>1,147.235 2</b>	<b>0.2169</b>		<b>1,152.657 8</b>

**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	4.9396	162.6043	36.0316	0.4467	9.8875	0.5190	10.4065	2.7103	0.4965	3.2068		48,397.2892	48,397.2892	3.2942		48,479.6449
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	0.0460	0.0327	0.4378	1.1800e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		117.6113	117.6113	3.7100e-003		117.7040
<b>Total</b>	<b>4.9856</b>	<b>162.6370</b>	<b>36.4694</b>	<b>0.4478</b>	<b>9.9993</b>	<b>0.5199</b>	<b>10.5192</b>	<b>2.7399</b>	<b>0.4974</b>	<b>3.2373</b>		<b>48,514.9005</b>	<b>48,514.9005</b>	<b>3.2979</b>		<b>48,597.3489</b>

**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	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578
<b>Total</b>	<b>0.8674</b>	<b>7.8729</b>	<b>7.6226</b>	<b>0.0120</b>	<b>0.7528</b>	<b>0.4672</b>	<b>1.2200</b>	<b>0.4138</b>	<b>0.4457</b>	<b>0.8595</b>	<b>0.0000</b>	<b>1,147.2352</b>	<b>1,147.2352</b>	<b>0.2169</b>		<b>1,152.6578</b>

**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	4.9396	162.6043	36.0316	0.4467	9.8875	0.5190	10.4065	2.7103	0.4965	3.2068		48,397.2892	48,397.2892	3.2942		48,479.6449

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	0.0460	0.0327	0.4378	1.1800e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		117.6113	117.6113	3.7100e-003		117.7040
<b>Total</b>	<b>4.9856</b>	<b>162.6370</b>	<b>36.4694</b>	<b>0.4478</b>	<b>9.9993</b>	<b>0.5199</b>	<b>10.5192</b>	<b>2.7399</b>	<b>0.4974</b>	<b>3.2373</b>		<b>48,514.9005</b>	<b>48,514.9005</b>	<b>3.2979</b>		<b>48,597.3489</b>

**3.4 Building Construction - 2020**  
**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.9781	1,102.9781	0.3567		1,111.8962
<b>Total</b>	<b>0.8617</b>	<b>8.8523</b>	<b>7.3875</b>	<b>0.0114</b>		<b>0.5224</b>	<b>0.5224</b>		<b>0.4806</b>	<b>0.4806</b>		<b>1,102.9781</b>	<b>1,102.9781</b>	<b>0.3567</b>		<b>1,111.8962</b>

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**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	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.978 1	1,102.978 1	0.3567		1,111.896 2
<b>Total</b>	<b>0.8617</b>	<b>8.8523</b>	<b>7.3875</b>	<b>0.0114</b>		<b>0.5224</b>	<b>0.5224</b>		<b>0.4806</b>	<b>0.4806</b>	<b>0.0000</b>	<b>1,102.978</b> <b>1</b>	<b>1,102.978</b> <b>1</b>	<b>0.3567</b>		<b>1,111.896</b> <b>2</b>

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**3.5 Paving - 2020**

**Unmitigated Construction On-Site**

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

Off-Road	0.7716	7.2266	7.1128	0.0113		0.3950	0.3950		0.3669	0.3669		1,035.392	1,035.392	0.3016		1,042.932
												6	6			3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7716</b>	<b>7.2266</b>	<b>7.1128</b>	<b>0.0113</b>		<b>0.3950</b>	<b>0.3950</b>		<b>0.3669</b>	<b>0.3669</b>		<b>1,035.392</b>	<b>1,035.392</b>	<b>0.3016</b>		<b>1,042.932</b>
												6	6			3

### 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	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
<b>Total</b>	<b>0.0828</b>	<b>0.0589</b>	<b>0.7881</b>	<b>2.1300e-003</b>	<b>0.2012</b>	<b>1.6800e-003</b>	<b>0.2029</b>	<b>0.0534</b>	<b>1.5500e-003</b>	<b>0.0549</b>		<b>211.7003</b>	<b>211.7003</b>	<b>6.6700e-003</b>		<b>211.8672</b>

### 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	0.7716	7.2266	7.1128	0.0113		0.3950	0.3950		0.3669	0.3669	0.0000	1,035.392	1,035.392	0.3016		1,042.932
												6	6			3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7716</b>	<b>7.2266</b>	<b>7.1128</b>	<b>0.0113</b>		<b>0.3950</b>	<b>0.3950</b>		<b>0.3669</b>	<b>0.3669</b>	<b>0.0000</b>	<b>1,035.392</b>	<b>1,035.392</b>	<b>0.3016</b>		<b>1,042.932</b>
												6	6			3

**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	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
<b>Total</b>	<b>0.0828</b>	<b>0.0589</b>	<b>0.7881</b>	<b>2.1300e-003</b>	<b>0.2012</b>	<b>1.6800e-003</b>	<b>0.2029</b>	<b>0.0534</b>	<b>1.5500e-003</b>	<b>0.0549</b>		<b>211.7003</b>	<b>211.7003</b>	<b>6.6700e-003</b>		<b>211.8672</b>

**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
<b>Total</b>	<b>0.7214</b>	<b>6.7178</b>	<b>7.0899</b>	<b>0.0113</b>		<b>0.3534</b>	<b>0.3534</b>		<b>0.3286</b>	<b>0.3286</b>		<b>1,035.3425</b>	<b>1,035.3425</b>	<b>0.3016</b>		<b>1,042.8818</b>

**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	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
<b>Total</b>	<b>0.0772</b>	<b>0.0530</b>	<b>0.7250</b>	<b>2.0600e-003</b>	<b>0.2012</b>	<b>1.6300e-003</b>	<b>0.2028</b>	<b>0.0534</b>	<b>1.5000e-003</b>	<b>0.0549</b>		<b>204.9786</b>	<b>204.9786</b>	<b>6.0400e-003</b>		<b>205.1296</b>

**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
<b>Total</b>	<b>0.7214</b>	<b>6.7178</b>	<b>7.0899</b>	<b>0.0113</b>		<b>0.3534</b>	<b>0.3534</b>		<b>0.3286</b>	<b>0.3286</b>	<b>0.0000</b>	<b>1,035.3425</b>	<b>1,035.3425</b>	<b>0.3016</b>		<b>1,042.8818</b>

**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	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
<b>Total</b>	<b>0.0772</b>	<b>0.0530</b>	<b>0.7250</b>	<b>2.0600e-003</b>	<b>0.2012</b>	<b>1.6300e-003</b>	<b>0.2028</b>	<b>0.0534</b>	<b>1.5000e-003</b>	<b>0.0549</b>		<b>204.9786</b>	<b>204.9786</b>	<b>6.0400e-003</b>		<b>205.1296</b>

### 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	1.8540					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
<b>Total</b>	<b>2.0729</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

#### 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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Mitigated	0.4692	1.9999	4.2137	0.0136	1.0255	0.0114	1.0369	0.2744	0.0107	0.2851		1,390.504	1,390.504	0.0783		1,392.460
												4	4			8
Unmitigated	0.4692	1.9999	4.2137	0.0136	1.0255	0.0114	1.0369	0.2744	0.0107	0.2851		1,390.504	1,390.504	0.0783		1,392.460
												4	4			8

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	360.00	360.00	360.00	482,239	482,239
<b>Total</b>	<b>360.00</b>	<b>360.00</b>	<b>360.00</b>	<b>482,239</b>	<b>482,239</b>

#### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28

#### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

### 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	5.3000e-004	4.8600e-003	4.0800e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004			5.8340	5.8340	1.1000e-004	1.1000e-004	5.8687

NaturalGas Unmitigated	5.3000e-004	4.8600e-003	4.0800e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		5.8340	5.8340	1.1000e-004	1.1000e-004	5.8687
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## 5.2 Energy by Land Use - NaturalGas

### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day											lb/day					
Automobile Care Center	49.589	5.3000e-004	4.8600e-003	4.0800e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004			5.8340	5.8340	1.1000e-004	1.1000e-004	5.8687
<b>Total</b>		<b>5.3000e-004</b>	<b>4.8600e-003</b>	<b>4.0800e-003</b>	<b>3.0000e-005</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>			<b>5.8340</b>	<b>5.8340</b>	<b>1.1000e-004</b>	<b>1.1000e-004</b>	<b>5.8687</b>

### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day											lb/day					
Automobile Care Center	0.049589	5.3000e-004	4.8600e-003	4.0800e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004			5.8340	5.8340	1.1000e-004	1.1000e-004	5.8687
<b>Total</b>		<b>5.3000e-004</b>	<b>4.8600e-003</b>	<b>4.0800e-003</b>	<b>3.0000e-005</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>			<b>5.8340</b>	<b>5.8340</b>	<b>1.1000e-004</b>	<b>1.1000e-004</b>	<b>5.8687</b>

## 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	0.0224	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	0.0224	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.5400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0198					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
<b>Total</b>	<b>0.0224</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>		<b>2.3000e-004</b>

### 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
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SubCategory	lb/day								lb/day						
Architectural Coating	2.5400e-003					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Consumer Products	0.0198					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	2.3000e-004
<b>Total</b>	<b>0.0224</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>2.3000e-004</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

### Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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## 11.0 Vegetation

3700 Riverside Drive - Los Angeles-South Coast County, Winter

**Existing Trip Credit  
Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Automobile Care Center	1.00	1000sqft	0.61	1,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	12			<b>Operational Year</b>	2022
<b>Utility Company</b>	Burbank Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	1096.12	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - total 0.61 acres
- Construction Phase -
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Trips and VMT - per construction questionnaire
- Demolition -
- Grading -

Architectural Coating -

Construction Off-road Equipment Mitigation -

Energy Mitigation -

Vehicle Trips - per TIA

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Woodstoves -

Area Coating -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblLandUse	LotAcreage	0.02	0.61
tblTripsAndVMT	HaulingTripNumber	0.00	1,131.00
tblVehicleTrips	ST_TR	23.72	360.00
tblVehicleTrips	SU_TR	11.88	360.00
tblVehicleTrips	WD_TR	23.72	360.00

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
2020	5.9781	172.6181	46.3166	0.4520	10.7520	0.9951	11.7471	3.1537	0.9507	4.1044	0.0000	48,821.84	48,821.84	3.6344	0.0000	48,912.70
												68	68			66
2021	2.0729	6.7765	7.7527	0.0132	0.2012	0.3550	0.5562	0.0534	0.3301	0.3834	0.0000	1,228.347	1,228.347	0.3073	0.0000	1,236.029
												7	7			0

Maximum	5.9781	172.6181	46.3166	0.4520	10.7520	0.9951	11.7471	3.1537	0.9507	4.1044	0.0000	48,821.8468	48,821.8468	3.6344	0.0000	48,912.7066
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### 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					
2020	5.9781	172.6181	46.3166	0.4520	10.7520	0.9951	11.7471	3.1537	0.9507	4.1044	0.0000	48,821.8468	48,821.8468	3.6344	0.0000	48,912.7066
2021	2.0729	6.7765	7.7527	0.0132	0.2012	0.3550	0.5562	0.0534	0.3301	0.3834	0.0000	1,228.3477	1,228.3477	0.3073	0.0000	1,236.0290
Maximum	5.9781	172.6181	46.3166	0.4520	10.7520	0.9951	11.7471	3.1537	0.9507	4.1044	0.0000	48,821.8468	48,821.8468	3.6344	0.0000	48,912.7066

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

### 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	0.0224	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	5.3000e-004	4.8600e-003	4.0800e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		5.8340	5.8340	1.1000e-004	1.1000e-004	5.8687
Mobile	0.4546	2.0115	4.1851	0.0129	1.0255	0.0116	1.0370	0.2744	0.0108	0.2852		1,318.7203	1,318.7203	0.0799		1,320.7174
Total	0.4775	2.0164	4.1892	0.0130	1.0255	0.0119	1.0374	0.2744	0.0111	0.2856		1,324.5545	1,324.5545	0.0800	1.1000e-004	1,326.5863

**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	0.0224	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000			2.3000e-004
Energy	5.3000e-004	4.8600e-003	4.0800e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004		5.8340	5.8340	1.1000e-004	1.1000e-004		5.8687
Mobile	0.4546	2.0115	4.1851	0.0129	1.0255	0.0116	1.0370	0.2744	0.0108	0.2852		1,318.7203	1,318.7203	0.0799			1,320.7174
<b>Total</b>	<b>0.4775</b>	<b>2.0164</b>	<b>4.1892</b>	<b>0.0130</b>	<b>1.0255</b>	<b>0.0119</b>	<b>1.0374</b>	<b>0.2744</b>	<b>0.0111</b>	<b>0.2856</b>		<b>1,324.5545</b>	<b>1,324.5545</b>	<b>0.0800</b>	<b>1.1000e-004</b>		<b>1,326.5863</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/23/2020	8/5/2020	5	10	
2	Grading	Grading	8/6/2020	8/7/2020	5	2	
3	Building Construction	Building Construction	8/8/2020	12/25/2020	5	100	
4	Paving	Paving	12/26/2020	1/1/2021	5	5	
5	Architectural Coating	Architectural Coating	1/2/2021	1/8/2021	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: 1,500; Non-Residential Outdoor: 500; 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	11.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	1,131.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	0.00	0.00	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 - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2362	0.0000	0.2362	0.0358	0.0000	0.0358			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.2352	1,147.2352	0.2169		1,152.6578
<b>Total</b>	<b>0.8674</b>	<b>7.8729</b>	<b>7.6226</b>	<b>0.0120</b>	<b>0.2362</b>	<b>0.4672</b>	<b>0.7034</b>	<b>0.0358</b>	<b>0.4457</b>	<b>0.4814</b>		<b>1,147.2352</b>	<b>1,147.2352</b>	<b>0.2169</b>		<b>1,152.6578</b>

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	9.8400e-003	0.3204	0.0745	8.5000e-004	0.0192	1.0200e-003	0.0203	5.2700e-003	9.8000e-004	6.2500e-003		92.5204	92.5204	6.6400e-003		92.6864
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	0.0511	0.0363	0.4010	1.1100e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		110.7420	110.7420	3.4900e-003		110.8293
<b>Total</b>	<b>0.0609</b>	<b>0.3566</b>	<b>0.4755</b>	<b>1.9600e-003</b>	<b>0.1310</b>	<b>1.9500e-003</b>	<b>0.1330</b>	<b>0.0349</b>	<b>1.8400e-003</b>	<b>0.0368</b>		<b>203.2624</b>	<b>203.2624</b>	<b>0.0101</b>		<b>203.5157</b>

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					0.2362	0.0000	0.2362	0.0358	0.0000	0.0358			0.0000			0.0000

Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457	0.0000	1,147.235 2	1,147.235 2	0.2169		1,152.657 8
<b>Total</b>	<b>0.8674</b>	<b>7.8729</b>	<b>7.6226</b>	<b>0.0120</b>	<b>0.2362</b>	<b>0.4672</b>	<b>0.7034</b>	<b>0.0358</b>	<b>0.4457</b>	<b>0.4814</b>	<b>0.0000</b>	<b>1,147.235 2</b>	<b>1,147.235 2</b>	<b>0.2169</b>		<b>1,152.657 8</b>

**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	9.8400e-003	0.3204	0.0745	8.5000e-004	0.0192	1.0200e-003	0.0203	5.2700e-003	9.8000e-004	6.2500e-003		92.5204	92.5204	6.6400e-003		92.6864
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	0.0511	0.0363	0.4010	1.1100e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		110.7420	110.7420	3.4900e-003		110.8293
<b>Total</b>	<b>0.0609</b>	<b>0.3566</b>	<b>0.4755</b>	<b>1.9600e-003</b>	<b>0.1310</b>	<b>1.9500e-003</b>	<b>0.1330</b>	<b>0.0349</b>	<b>1.8400e-003</b>	<b>0.0368</b>		<b>203.2624</b>	<b>203.2624</b>	<b>0.0101</b>		<b>203.5157</b>

**3.3 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.235 2	1,147.235 2	0.2169		1,152.657 8
<b>Total</b>	<b>0.8674</b>	<b>7.8729</b>	<b>7.6226</b>	<b>0.0120</b>	<b>0.7528</b>	<b>0.4672</b>	<b>1.2200</b>	<b>0.4138</b>	<b>0.4457</b>	<b>0.8595</b>		<b>1,147.235 2</b>	<b>1,147.235 2</b>	<b>0.2169</b>		<b>1,152.657 8</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.0596	164.7090	38.2930	0.4390	9.8875	0.5269	10.4144	2.7103	0.5041	3.2144		47,563.8695	47,563.8695	3.4140		47,649.2196
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	0.0511	0.0363	0.4010	1.1100e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		110.7420	110.7420	3.4900e-003		110.8293
<b>Total</b>	<b>5.1107</b>	<b>164.7452</b>	<b>38.6940</b>	<b>0.4401</b>	<b>9.9993</b>	<b>0.5279</b>	<b>10.5272</b>	<b>2.7399</b>	<b>0.5050</b>	<b>3.2449</b>		<b>47,674.6116</b>	<b>47,674.6116</b>	<b>3.4175</b>		<b>47,760.0489</b>

**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	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578
<b>Total</b>	<b>0.8674</b>	<b>7.8729</b>	<b>7.6226</b>	<b>0.0120</b>	<b>0.7528</b>	<b>0.4672</b>	<b>1.2200</b>	<b>0.4138</b>	<b>0.4457</b>	<b>0.8595</b>	<b>0.0000</b>	<b>1,147.2352</b>	<b>1,147.2352</b>	<b>0.2169</b>		<b>1,152.6578</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.0596	164.7090	38.2930	0.4390	9.8875	0.5269	10.4144	2.7103	0.5041	3.2144		47,563.8695	47,563.8695	3.4140		47,649.2196

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	0.0511	0.0363	0.4010	1.1100e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		110.7420	110.7420	3.4900e-003		110.8293
<b>Total</b>	<b>5.1107</b>	<b>164.7452</b>	<b>38.6940</b>	<b>0.4401</b>	<b>9.9993</b>	<b>0.5279</b>	<b>10.5272</b>	<b>2.7399</b>	<b>0.5050</b>	<b>3.2449</b>		<b>47,674.6116</b>	<b>47,674.6116</b>	<b>3.4175</b>		<b>47,760.0489</b>

### 3.4 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.9781	1,102.9781	0.3567		1,111.8962
<b>Total</b>	<b>0.8617</b>	<b>8.8523</b>	<b>7.3875</b>	<b>0.0114</b>		<b>0.5224</b>	<b>0.5224</b>		<b>0.4806</b>	<b>0.4806</b>		<b>1,102.9781</b>	<b>1,102.9781</b>	<b>0.3567</b>		<b>1,111.8962</b>

#### 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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**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	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.978	1,102.978	0.3567		1,111.896
												1	1			2
<b>Total</b>	<b>0.8617</b>	<b>8.8523</b>	<b>7.3875</b>	<b>0.0114</b>		<b>0.5224</b>	<b>0.5224</b>		<b>0.4806</b>	<b>0.4806</b>	<b>0.0000</b>	<b>1,102.978</b>	<b>1,102.978</b>	<b>0.3567</b>		<b>1,111.896</b>
												1	1			2

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**3.5 Paving - 2020**

**Unmitigated Construction On-Site**

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

Off-Road	0.7716	7.2266	7.1128	0.0113		0.3950	0.3950		0.3669	0.3669		1,035.3926	1,035.3926	0.3016		1,042.9323
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7716</b>	<b>7.2266</b>	<b>7.1128</b>	<b>0.0113</b>		<b>0.3950</b>	<b>0.3950</b>		<b>0.3669</b>	<b>0.3669</b>		<b>1,035.3926</b>	<b>1,035.3926</b>	<b>0.3016</b>		<b>1,042.9323</b>

**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	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
<b>Total</b>	<b>0.0920</b>	<b>0.0652</b>	<b>0.7218</b>	<b>2.0000e-003</b>	<b>0.2012</b>	<b>1.6800e-003</b>	<b>0.2029</b>	<b>0.0534</b>	<b>1.5500e-003</b>	<b>0.0549</b>		<b>199.3357</b>	<b>199.3357</b>	<b>6.2800e-003</b>		<b>199.4927</b>

**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	0.7716	7.2266	7.1128	0.0113		0.3950	0.3950		0.3669	0.3669	0.0000	1,035.3926	1,035.3926	0.3016		1,042.9323
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7716</b>	<b>7.2266</b>	<b>7.1128</b>	<b>0.0113</b>		<b>0.3950</b>	<b>0.3950</b>		<b>0.3669</b>	<b>0.3669</b>	<b>0.0000</b>	<b>1,035.3926</b>	<b>1,035.3926</b>	<b>0.3016</b>		<b>1,042.9323</b>

**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	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
<b>Total</b>	<b>0.0920</b>	<b>0.0652</b>	<b>0.7218</b>	<b>2.0000e-003</b>	<b>0.2012</b>	<b>1.6800e-003</b>	<b>0.2029</b>	<b>0.0534</b>	<b>1.5500e-003</b>	<b>0.0549</b>		<b>199.3357</b>	<b>199.3357</b>	<b>6.2800e-003</b>		<b>199.4927</b>

**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
<b>Total</b>	<b>0.7214</b>	<b>6.7178</b>	<b>7.0899</b>	<b>0.0113</b>		<b>0.3534</b>	<b>0.3534</b>		<b>0.3286</b>	<b>0.3286</b>		<b>1,035.3425</b>	<b>1,035.3425</b>	<b>0.3016</b>		<b>1,042.8818</b>

**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	0.0858	0.0587	0.6629	1.9400e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		193.0052	193.0052	5.6800e-003		193.1472
<b>Total</b>	<b>0.0858</b>	<b>0.0587</b>	<b>0.6629</b>	<b>1.9400e-003</b>	<b>0.2012</b>	<b>1.6300e-003</b>	<b>0.2028</b>	<b>0.0534</b>	<b>1.5000e-003</b>	<b>0.0549</b>		<b>193.0052</b>	<b>193.0052</b>	<b>5.6800e-003</b>		<b>193.1472</b>

**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
<b>Total</b>	<b>0.7214</b>	<b>6.7178</b>	<b>7.0899</b>	<b>0.0113</b>		<b>0.3534</b>	<b>0.3534</b>		<b>0.3286</b>	<b>0.3286</b>	<b>0.0000</b>	<b>1,035.3425</b>	<b>1,035.3425</b>	<b>0.3016</b>		<b>1,042.8818</b>

**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	0.0858	0.0587	0.6629	1.9400e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		193.0052	193.0052	5.6800e-003		193.1472
<b>Total</b>	<b>0.0858</b>	<b>0.0587</b>	<b>0.6629</b>	<b>1.9400e-003</b>	<b>0.2012</b>	<b>1.6300e-003</b>	<b>0.2028</b>	<b>0.0534</b>	<b>1.5000e-003</b>	<b>0.0549</b>		<b>193.0052</b>	<b>193.0052</b>	<b>5.6800e-003</b>		<b>193.1472</b>

### 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	1.8540					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
<b>Total</b>	<b>2.0729</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

#### 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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Archit. Coating	1.8540					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
<b>Total</b>	<b>2.0729</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>	<b>281.9309</b>

**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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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

Mitigated	0.4546	2.0115	4.1851	0.0129	1.0255	0.0116	1.0370	0.2744	0.0108	0.2852		1,318.720	1,318.720	0.0799		1,320.717
												3	3			4
Unmitigated	0.4546	2.0115	4.1851	0.0129	1.0255	0.0116	1.0370	0.2744	0.0108	0.2852		1,318.720	1,318.720	0.0799		1,320.717
												3	3			4

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	360.00	360.00	360.00	482,239	482,239
<b>Total</b>	<b>360.00</b>	<b>360.00</b>	<b>360.00</b>	<b>482,239</b>	<b>482,239</b>

#### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28

#### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

### 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	5.3000e-004	4.8600e-003	4.0800e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004			5.8340	5.8340	1.1000e-004	1.1000e-004	5.8687

NaturalGas Unmitigated	5.3000e- 004	4.8600e- 003	4.0800e- 003	3.0000e- 005		3.7000e- 004	3.7000e- 004		3.7000e- 004	3.7000e- 004		5.8340	5.8340	1.1000e- 004	1.1000e- 004	5.8687
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## 5.2 Energy by Land Use - NaturalGas

### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
Automobile Care Center	49.589	5.3000e-004	4.8600e-003	4.0800e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004			5.8340	5.8340	1.1000e-004	1.1000e-004	5.8687
<b>Total</b>		<b>5.3000e-004</b>	<b>4.8600e-003</b>	<b>4.0800e-003</b>	<b>3.0000e-005</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>			<b>5.8340</b>	<b>5.8340</b>	<b>1.1000e-004</b>	<b>1.1000e-004</b>	<b>5.8687</b>

### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
Automobile Care Center	0.049589	5.3000e-004	4.8600e-003	4.0800e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004			5.8340	5.8340	1.1000e-004	1.1000e-004	5.8687
<b>Total</b>		<b>5.3000e-004</b>	<b>4.8600e-003</b>	<b>4.0800e-003</b>	<b>3.0000e-005</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>			<b>5.8340</b>	<b>5.8340</b>	<b>1.1000e-004</b>	<b>1.1000e-004</b>	<b>5.8687</b>

## 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	0.0224	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	0.0224	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.5400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0198					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
<b>Total</b>	<b>0.0224</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>		<b>2.3000e-004</b>

### 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
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SubCategory	lb/day								lb/day						
Architectural Coating	2.5400e-003					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Consumer Products	0.0198					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000	2.3000e-004
<b>Total</b>	<b>0.0224</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>2.3000e-004</b>

## 7.0 Water Detail

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### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

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### Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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## 11.0 Vegetation

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**3700 Riverside Drive Project  
Energy Calculations**

Land Use	Natural Gas Use		Electricity Use	
	(kBTU/yr)	(Therms)	(kWh/yr)	(MWh/yr)
Apartments Mid Rise	461,977	4,620	194,455	194
Unenclosed Parking Structure	0	0	42,700	43
High Turnover (Sit Down Restaurant)	216,577	2,166	41,464	41
Parking Lot	0	0	4,060	4
Regional Shopping Center	1,261	13	12,177	12
<b>Totals</b>	<b>679,815</b>	<b>6,798</b>	<b>294,855</b>	<b>295</b>
Project Per capita usage	<b>5,111</b>	<b>51</b>	<b>2,217</b>	<b>2</b>

1 kBTU = 0.01 therms

Energy Type	Project Annual Energy Consumption	Los Angeles Annual Energy Consumption (2018)	County-wide Per Capita Energy Consumption	Project Per Capita Energy Consumption	Percent difference between County-wide and project
Electricity (MWh/YR)	295	68,486,000	5	2	51.5%
Natural Gas (Therms)	6,798	2,921,000,000	195	51	73.8%

County Population	10,098,052
County Employment	4,869,658
Project Planned Population <sup>1</sup>	133

Notes:

1. The Project would build 49 condominium units. Per the Department of Finance population estimates, the City of Burbank has 2.46 persons per household. As such, the residential portion of the Project is anticipated to have a population of 120 residents. Additionally, the Project's 2,000 square feet of commercial use would generate approximately five jobs. Conservatively assuming employees move into the City from outside jurisdictions and based on the City's average household size of 2.46, the commercial use would result in up to 13 additional residents within the City. Therefore, the Project would increase the City's population by approximately 133 persons.

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

- Los Angeles Population and Employment, <https://data.census.gov/cedsci/profile?q=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)
- Department of Finance, *E-5 Population and Housing Estimates for Cities, Counties, and the State, 2011-2019 with 2010 Census Benchmark*, <http://dof.ca.gov/Forecasting/Demographics/Estimates/E-5/>

**3700 Riverside Drive Project  
Energy Calculations (EXISTING MOBILE)**

Vehicle Type	Percent of Vehicle Trips <sup>1</sup>	Daily Trips <sup>2</sup>	Annual Vehicle Miles Traveled <sup>3</sup>	Average Fuel Economy (miles per gallon) <sup>4</sup>	Total Annual Fuel Consumption (gallons) <sup>5</sup>
Passenger Cars	0.55	197	263,544	22	11,979
Light/Medium Trucks	0.39	141	188,685	17.3	10,907
Heavy Trucks/Other	0.06	22	30,011	6.4	4,689
<b>TOTAL<sup>6</sup></b>	<b>1.00</b>	<b>360</b>	<b>482,239</b>	<b>--</b>	<b>27,575</b>

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.

**3700 Riverside Drive Project  
Energy Calculations**

<b>Vehicle Type</b>	<b>Percent of Vehicle Trips<sup>1</sup></b>	<b>Daily Trips<sup>2</sup></b>	<b>Annual Vehicle Miles Traveled<sup>3</sup></b>	<b>Average Fuel Economy (miles per gallon)<sup>4</sup></b>	<b>Total Annual Fuel Consumption (gallons)<sup>5</sup></b>
Passenger Cars	0.55	193	530,632	22	24,120
Light/Medium Trucks	0.39	138	379,908	17.3	21,960
Heavy Trucks/Other	0.06	22	60,425	6.4	9,441
<b>TOTAL<sup>6</sup></b>	<b>1.00</b>	<b>353</b>	<b>970,965</b>	<b>--</b>	<b>55,521</b>

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.

**3700 Riverside Drive 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	10	10	14.7	1470		59.03
Grading	20	15	14.7	4410		177.09
Building Construction	210	51	14.7	157437	<b>24.90284233</b>	6322.05
Paving	21	18	14.7	5557		223.13
Architectural Coating	22	10	14.7	3234		129.86
						<b>6911.16</b>
VENDOR TRIPS						
Phase	Phase Length (# days)	# Vendor Trips	Vendor Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	10	0	6.9	0		0.00
Grading	20	0	6.9	0		0.00
Building Construction	210	11	6.9	76	<b>8.43886151</b>	8.99
Paving	21	0	6.9	0		0.00
Architectural Coating	22	0	6.9	0		0.00
						<b>8.99</b>
HAULING TRIPS						
Phase	Phase Length (# days)	# Hauling Trips	Hauling Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day) <sup>1</sup>	Total Fuel Consumption
Demolition	10	11	110	1210		144.93
Grading	20	1131	30	33930		4064.03
Building Construction	210	0	20	0	<b>8.34886151</b>	0.00
Paving	21	0	20	0		0.00
Architectural Coating	22	0	20	0		0.00
						<b>4208.96</b>
<b>TOTAL OFF-SITE MOBILE GALLONS CONSUMED DURING CONSTRUCTION</b>						<b>11,129.11</b>

**3700 Riverside Drive 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	1	8	81	0.73	2.3652	8	10	189.22	
Demolition	Rubber Tired Dozers	1	1	247	0.40	3.952	1	10	39.52	
Demolition	Tractors/Loaders/Backhoes	2	6	97	0.37	1.4356	12	10	172.27	
Grading	Bore/Drill Rigs	1	8	221	0.50	4.42	8	20	707.20	
Grading	Concrete/Industrial Saws	1	8	81	0.73	2.3652	8	20	378.43	
Grading	Excavators	1	8	158	0.38	2.4016	8	20	384.26	
Grading	Rubber Tired Dozers	1	1	247	0.40	3.952	1	20	79.04	
Grading	Tractors/Loaders/Backhoes	2	6	97	0.37	1.4356	12	20	344.54	
Building Construction	Cranes	1	4	231	0.29	2.6796	4	210	2250.86	
Building Construction	Forklifts	2	6	89	0.20	0.712	12	210	1794.24	
Building Construction	Signal Boards	1	8	6	0.82	0.1968	8	210	330.62	
Building Construction	Skid Steer Loaders	1	8	65	0.37	0.962	8	210	1616.16	
Building Construction	Tractors/Loaders/Backhoes	2	8	97	0.37	1.4356	16	210	4823.62	
Paving	Cement and Mortar Mixers	4	6	9	0.56	0.2016	24	21	101.61	
Paving	Pavers	1	7	130	0.42	2.184	7	21	321.05	
Paving	Rollers	1	7	80	0.38	1.216	7	21	178.75	
Paving	Tractors/Loaders/Backhoes	1	7	97	0.37	1.4356	7	21	211.03	
Architectural Coating	Air Compressors	1	6	78	0.48	1.4976	6	22	197.68	
Total:									25,249	
Notes:									Off-Site Mobile Construction Total:	11,129
Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor									<b>TOTAL:</b>	<b>36,378</b>
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.										

## MEMORANDUM

**To:** Frances Yau, Michael Baker International

**From:** Zhe Chen, Michael Baker International  
Eddie Torres, Michael Baker International

**Date:** August 24, 2020

**Subject:** 3700 Riverside Drive Mixed-Use Project – Health Risk Assessment Technical Memorandum

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### PURPOSE

The purpose of this Health Risk Assessment (HRA) is to evaluate potential health risks associated with toxic air contaminants (TAC), including diesel particulate matter (DPM) resulting from development of the proposed 3700 Riverside Drive Mixed-Use Project (project) in the City of Burbank (City), California. This HRA was prepared in accordance with the requirements of the South Coast Air Quality Management District (SCAQMD) and guidance from the Office of Environmental Health Hazard Assessment (OEHHA) to determine if health risks are likely to occur to the proposed project.

### PROJECT LOCATION

The City is located in the County of Los Angeles (County) approximately 12 miles north of downtown Los Angeles. The Golden State Freeway (Interstate 5; I-5) bisects the City in a northwest-southeast orientation, and the Ventura Freeway (State Route 134; SR-134) traverses the City's southern extent in an east-west orientation.

The project site is approximately 0.61-acre and is located in the southern portion of the City at 3700 Riverside Drive (Assessor's Parcel Number [APN] 1485-005-004, -014, -015). The project site is located within a highly developed and urbanized area of Burbank and is currently occupied by the Lakeside Carwash. The carwash facility consists of two single-story structures. The main building is located at the center of the site with a carwash tunnel along the southern end. The secondary structure is a garage that has been converted into an office in the southwest corner of the site. Aside from the two single-story structures, the remainder of the site is utilized as parking for drying and washing cars and for employee parking. A Google-architecture pylon carwash sign, deemed potentially historic, is located at the site's northeastern corner at the intersection of Riverside Drive and North Hollywood Way. Regional access to the project site is provided via SR-134. Local access is provided via Riverside Drive, North Hollywood Way, West Olive Avenue, and North Screenland Drive.

## **PROJECT DESCRIPTION**

The project proposes to demolish the existing on-site structures and construct a seven-story, 82,723-gross square foot mixed-use development. The proposed development would consist of 49 condominium units, 2,000 square feet of ground level restaurant/retail use, a pocket park, and surface and subterranean parking. The condominiums would consist of one- to three-bedroom units ranging in size from 937 to 2,187 gross square feet. One- and two-bedroom units would occupy the second through fifth floors while the larger three-bedroom units are proposed as two-story units occupying the sixth and mezzanine/roof levels. Additionally, four of the 49 condominiums would be developed as affordable housing units for very low-income households.

## **ENVIRONMENTAL SETTING**

The California Air Resources Board (CARB) divides the State into 15 air basins that share similar meteorological and topographical features. The project site lies within the South Coast Air Basin (Basin). The Basin is a 6,600-square mile area bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The Basin includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, in addition to the San Geronio Pass area in Riverside County. The Basin's terrain and geographical location (i.e., a coastal plain with connecting broad valleys and low hills) determine its distinctive climate.

## **TOXIC AIR CONTAMINANTS**

TACs are airborne substances capable of causing short-term (acute) and/or long-term (chronic) or carcinogenic (i.e., cancer causing) adverse human health effects (i.e., injury or illness). TACs include both organic and inorganic chemical substances. They may be emitted from a variety of common sources including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations. The current California list of TACs includes approximately 200 compounds, including particulate emissions from diesel-fueled engines.

Hazardous air pollutant (HAP) is a term used in the Federal Clean Air Act (FCAA) and includes a variety of pollutants generated or emitted by industrial production activities. Identified as TACs under the California Clean Air Act (CCAA), ten pollutants have been singled out through ambient air quality data as being the most substantial health risks in California. Direct exposure to these pollutants has been shown to cause cancer, birth defects, brain and nervous system damage, and respiratory disorders.

TACs do not have ambient air quality standards because no safe levels of TACs can be determined. Instead, TAC impacts are evaluated by calculating the health risks associated with a given exposure. The requirements of the Air Toxic "Hot Spots" Information and Assessment Act (Assembly Bill [AB] 2588) apply to facilities that use, produce, or emit toxic chemicals. Facilities subject to the toxic emission inventory requirements of AB 2588 must prepare, submit, and periodically update their toxic emission inventory plans and reports.

Toxic contaminants often result from fugitive emissions during fuel storage and transfer activities, and from leaking valves and pipes. For example, the electronics industry, including semiconductor manufacturing, uses highly toxic chlorinated solvents in semiconductor production processes. Automobile exhaust also contains toxic air pollutants such as benzene and 1,3-butadiene.

## **Diesel Particulate Matter**

DPM is emitted from both mobile and stationary sources. In California, on-road diesel-fueled engines contribute approximately 24 percent of the Statewide total, with an additional 71 percent attributed to other mobile sources, such as construction and mining equipment, agricultural equipment, and transport refrigeration units. Stationary sources contribute approximately five percent of total DPM in the State. It should be noted that CARB has developed several plans and programs to reduce diesel emissions such as the Diesel Risk Reduction Plan, the Statewide Portable Equipment Registration Program (PERP), and the Diesel Off-Road Online Reporting System (DOORS). PERP and DOORS allow owners or operators of portable engines and certain other types of equipment to register their equipment in order to operate them in the State without having to obtain individual permits from local air districts.

Diesel exhaust and many individual substances contained in it (e.g., arsenic, benzene, formaldehyde, and nickel) have the potential to contribute to mutations in cells that can lead to cancer. Long-term exposure to diesel exhaust particles poses the highest cancer risk of any TAC evaluated by OEHHA. CARB estimates that about 70 percent of the cancer risk that the average Californian faces from breathing toxic air pollutants stems from diesel exhaust particles.

In its comprehensive assessment of diesel exhaust, OEHHA analyzed more than 30 studies of people who worked around diesel equipment, including truck drivers, railroad workers, and equipment operators. The studies showed these workers were more likely to develop lung cancer than workers who were not exposed to diesel emissions. These studies provide strong evidence that long-term occupational exposure to diesel exhaust increases the risk of lung cancer. Using information from OEHHA's assessment, CARB estimates that diesel particle levels measured in California's air in 2000 could cause 540 "excess" cancers in a population of one million people over a 70-year lifetime. Other researchers and scientific organizations, including the National Institute for Occupational Safety and Health, have calculated cancer risks from diesel exhaust similar to those developed by OEHHA and CARB.

Exposure to diesel exhaust can also have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and can cause coughing, headaches, lightheadedness, and nausea. In studies with human volunteers, diesel exhaust particles made people with allergies more susceptible to the materials to which they are allergic, such as dust and pollen. Exposure to diesel exhaust also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks.

Diesel engines are a major source of fine particulate pollution. The elderly and people with emphysema, asthma, and chronic heart and lung disease are especially sensitive to fine-particle pollution. Numerous studies have linked elevated particle levels in the air to increased hospital admissions, emergency room visits, asthma attacks, and premature deaths among those suffering from respiratory problems. Because children's lungs and respiratory systems are still developing, they are also more susceptible than healthy adults to fine particles. Exposure to fine particles is associated with increased frequency of childhood illnesses and can also reduce lung function in children. In California, diesel exhaust particles have been identified as a carcinogen.

## REGULATORY SETTING

### Federal

Federal Clean Air Act. The FCAA of 1970 and the FCAA Amendments of 1971 required the U.S. Environmental Protection Agency (EPA) to establish National Ambient Air Quality Standards (NAAQS), which required the EPA to adopt more stringent air quality standards or to include standards for other specific pollutants. The FCAA was amended in 1990 to address a large number of air pollutants that are known to cause or may reasonably be anticipated to cause adverse effects to human health or adverse environmental effects. A total of 188 specific pollutants and chemical groups were initially identified as HAPs, and the list has been modified over time. The FCAA Amendments included new regulatory programs to control acid deposition and regulate the issuance of stationary source operating permits.

Mobile Source Air Toxics Rule. In 2001, the EPA issued its first Mobile Source Air Toxics (MSAT) Rule, which identified 21 MSAT compounds as being HAPs that required regulation. A subset of six MSAT compounds were identified as having the greatest influence on health, including benzene, 1,3-butadiene, formaldehyde, acrolein, acetaldehyde, and DPM. In February 2007, the EPA issued a second MSAT Rule that generally supported the findings in the first rule and provided additional recommendations of compounds having the greatest impact on health. The rule also identified several engine emission certification standards that must be implemented. Unlike criteria pollutants, MSATs do not have NAAQS, making evaluation of their impacts more subjective. In April 2014, the EPA issued a third MSAT Rule that established the Tier 3 standards, which are part of a comprehensive approach to reducing the impacts of motor vehicles on air quality and public health.

National Emissions Standards for Hazardous Air Pollutants Program. Under Federal law, 188 substances are listed as HAPs. Major sources of specific HAPs are subject to the requirements of the National Emissions Standards for Hazardous Air Pollutants program. The EPA is establishing regulatory schemes for specific source categories and requires implementation of Maximum Achievable Control Technologies for major sources of HAPs in each source category. State law has established the framework for California's TAC identification and control program, which is generally more stringent than the Federal program and is aimed at HAPs that are specific problems in California. The State has formally identified 244 substances as TACs and is adopting appropriate control measures for each TAC. Once adopted at the State level, each air district will be required to adopt a control measure that is equal or more stringent.

### State

California Air Toxics "Hot Spots" Information and Assessment Act (AB 2588). Enacted in 1987, AB 2588 is a Statewide program that requires facilities exceeding recommended OEHHA levels to reduce risks to acceptable levels. Under AB 2588, TAC emissions from individual facilities are quantified and prioritized by the air quality management district or air pollution control district. High priority facilities are required to perform an HRA and, if specific thresholds are exceeded, required to communicate the results to the public in the form of notices and public meetings. In September 1992, AB 2588 was amended by Senate Bill 1731, which required facilities that pose a significant health risk to the community to reduce their risk by developing a risk management plan.

Diesel exhaust is mainly composed of particulate matter (PM) and gases, which contain potential cancer-causing substances. Emissions from diesel engines currently include over 40 substances that are listed by

EPA as HAPs and by CARB as TACs. On August 27, 1998, CARB identified PM in diesel exhaust as a TAC, based on data linking diesel particulate emissions to increased risks of lung cancer and respiratory disease.

Toxic Air Contaminant Identification and Control Act (AB 1807). CARB's Statewide comprehensive air toxics program was established in 1983 with the Toxic Air Contaminant Identification and Control Act. AB 1807 created California's program to reduce exposure to air toxics and sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an airborne toxics control measure (ATCM) for sources that emit designated TACs. If there is a safe threshold for a substance at which there is no toxic effect, the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology to minimize emissions.

Diesel Reduction Plan. In September 2000, CARB adopted a comprehensive diesel risk reduction plan to reduce emissions from both new and existing diesel-fueled engines and vehicles. The goal of the plan is to reduce DPM emissions and its associated health risk by 75 percent in 2010 and by 85 percent by 2020. As part of this plan, CARB identified ATCM for mobile and stationary emissions sources. Each ATCM is codified in the California Code of Regulations (CCR), including the ATCM to limit diesel-fueled commercial motor vehicle idling, which puts limits on idling time for large diesel engines (13 CCR Chapter 10 Section 2485).

Truck and Bus Regulation Reducing Emissions from Existing Diesel Vehicles. On December 12, 2008, CARB approved the Truck and Bus Regulation Reducing Emissions from Existing Diesel Vehicles to significantly reduce PM and nitrogen oxide (NO<sub>x</sub>) emissions from existing diesel vehicles operating in California. The regulation requires diesel trucks and buses that operate in California to be upgraded to reduce emissions. Heavier trucks were required to be retrofitted with PM filters beginning January 1, 2012, and older trucks were required to be replaced starting January 1, 2015. By January 2023, nearly all trucks and buses will need to have 2010 model year engines or an equivalent.

Heavy-Duty Vehicle Idling Emission Reduction Program. The purpose of the CARB ATCM to Limit Diesel-Fueled Commercial Motor Vehicle Idling is to reduce public exposure to DPM and criteria pollutants by limiting the idling of diesel-fueled commercial vehicles.<sup>1</sup> The driver of any vehicle subject to this ATCM is prohibited from idling the vehicle's primary diesel engine for more than five minutes at any location and is prohibited from idling a diesel-fueled auxiliary power system for more than five minutes to power a heater, air conditioner, or any ancillary equipment on the vehicle if it has a sleeper berth and the truck is located within 100 feet of a restricted area (e.g., homes and schools).

CARB's Final Regulation Order, *Requirements to Reduce Idling Emissions from New and In-Use Trucks*, requires that new 2008 and subsequent model year heavy-duty diesel engines be equipped with an engine shutdown system that automatically shuts down the engine after 300 seconds of continuous idling operation once the vehicle is stopped, the transmission is set to neutral or park, and the parking brake is engaged.

California Building Energy Efficiency Standards (Title 24). In 1978, the California Energy Commission established the State's energy efficiency standards for residential and non-residential buildings in response to a legislative mandate to create uniform building codes to reduce California's energy

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<sup>1</sup> The ATCM to Limit Diesel-Fueled Commercial Motor Vehicle Idling is codified in Title 13 CCR Chapter 10 Section 2485.

consumption. The Title 24 standards were updated in 2019 and took effect on January 1, 2020. Under the 2019 standards, residential and non-residential buildings are required to have air filters with a designated efficiency equal to or greater than Minimum Efficiency Reporting Value (MERV) 13 when tested in accordance with the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Standard 52.2. Per ASHRAE Standard 52.2, MERV 13 filters are able to filter out 50 percent of particles within 0.3 to 1.0 micrometers ( $\mu\text{m}$ ), 85 percent of particles within 1.0 to 3.0  $\mu\text{m}$ , and 90 percent of particles within 3.0 to 10  $\mu\text{m}$ .

## **Regional**

South Coast Air Quality Management District. The CCAA provides the SCAQMD with the authority to manage transportation activities at indirect sources and regulate stationary source emissions. Indirect sources of pollution are generated when minor sources collectively emit a substantial amount of pollution. An example of this would be the motor vehicles at an intersection, a mall, and on highways. As a State agency, CARB regulates motor vehicles and fuels for their emissions.

The Air Toxics Control Plan (March 2004) is a planning document designed to examine the overall direction of the SCAQMD's air toxics control program. It includes development and implementation of strategic initiatives to monitor and control air toxics emissions. Control strategies that are deemed viable and are within the SCAQMD's jurisdiction will each be brought to the SCAQMD Board for further consideration through the normal public review process. Strategies that are to be implemented by other agencies will be developed in a cooperative effort, and the progress will be reported back to the Board periodically.

The SCAQMD has conducted an in-depth analysis of the TACs and their resulting health risks, called the MATES program. The latest MATES study, MATES-IV, is the most comprehensive dataset documenting the ambient air toxic levels and health risks associated with emissions in the Basin. Therefore, the MATES-IV study represents the baseline health risk for cumulative analysis. MATES-IV estimates the average excess cancer risk level from exposure to TACs is less than 400 in one million Basin-wide. These model estimates were based on monitoring data collected at ten fixed sites within the Basin. None of the fixed monitoring sites are within the local area of the project site. However, MATES-IV has extrapolated the excess cancer risk levels throughout the Basin by modeling the specific grids. DPM is included in this cancer risk along with all other TAC sources. DPM accounts for 68 percent of the total risk shown in MATES-IV. Cumulative project-generated TACs are limited to DPM. For all of southern California, the study shows that cancer risks have decreased more than 50 percent between 2008 and 2015.

## **Local**

Burbank2035 General Plan. Program AQCC-4 of the *Burbank2035 General Plan* (Burbank2035) requires that HRAs should be prepared for projects that would place sensitive land uses near Bob Hope Airport, the Union Pacific Railroad (UPRR) rail line, or major freeways (i.e. I-5 and-SR 134) or arterials. The City will apply the CARB *Air Quality and Land Use Handbook* for recommendations on siting distances for sensitive or noxious uses.

## SIGNIFICANCE CRITERIA AND METHODOLOGY

### Health Risk Analysis Thresholds

In order to determine whether or not a proposed project would cause a significant effect on the environment, the impact of the project must be determined by examining the types and levels of air toxics generated and the associated impacts on factors that affect air quality. While the final determination of significance thresholds is within the purview of the lead agency pursuant to the CEQA Guidelines, the SCAQMD recommends that the following air pollution thresholds be used by lead agencies in determining whether a project results in potentially significant impacts. If the lead agency finds that the proposed project has the potential to exceed the following air pollution thresholds, the project should be considered significant.

- Cancer Risk: Emit carcinogenic or toxic contaminants that exceed the maximum individual cancer risk of 10 in one million.
- Non-Cancer Risk: Emit toxic contaminants that exceed the maximum hazard quotient of 1 in one million.

Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of 10 persons per million as the maximum acceptable incremental cancer risk due to DPM exposure. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulative impact. The 10 in one million standard is a very health-protective significance threshold. A risk level of 10 in one million implies a likelihood that up to 10 persons out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of TACs over a specified duration of time. This risk would be an excess cancer that is in addition to any cancer risk borne by a person not exposed to these air toxics.

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Noncarcinogenic risks are quantified by calculating a “hazard index” (HI), expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index less than one (1.0) means that adverse health effects are not expected. As such, non-carcinogenic exposures of less than 1.0 are considered less than significant.

### Methodology

The air dispersion modeling for the HRA was performed using the EPA AERMOD dispersion model version 19191. AERMOD is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the emission sources (not a factor in this case). AERMOD requires hourly meteorological data consisting of wind vector, wind speed, temperature, stability class, and mixing height. Surface and upper air meteorological data is provided by the SCAQMD for the Burbank Airport (KBUR) Monitoring Station was selected as being the most representative meteorology based on proximity.<sup>2</sup> In addition, the United States Geological Survey

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<sup>2</sup> South Coast Air Quality Management District, *Data for AERMOD*, <http://www.aqmd.gov/home/air-quality/meteorological-data/data-for-aermod>, accessed July 23, 2020.

1/3 arc-second (about 10 meters) National Elevation Dataset terrain data was processed with AERMAP<sup>3</sup> and imported into AERMOD for the project area.

The emission sources in the model are two-line volume source (comprised of 312 smaller volume sources) along the SR-134 segment to the north of the proposed project site. An emission rate for DPM was calculated using the 2018 California Department of Transportation (Caltrans) truck Annual Average Daily Traffic (AADT) census data<sup>4</sup> and CARB's Emission FACTor Model 2017 (EMFAC2017)<sup>5</sup> model runs for Los Angeles County during the year 2022 (first year of project operation); refer Appendix A, Dispersion Modeling Data. Vehicle emissions were assigned a release height of 4.6 meters (15 feet) in compliance with SCAQMD guidance. A release height of 4.6 meters is representative of the average stack height for a heavy-duty truck.

AERMOD was run to obtain the peak 1-hour and period (annual) average concentration in micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) of  $\text{PM}_{10}$  at the project site. According to the SCAQMD's *Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics "Hot Spots" Information and Assessment Act (AB 2588)*<sup>6</sup>, air dispersion modeling is required to estimate (a) annual average concentrations to calculate the Maximum Individual Cancer Risk (MICR), the maximum chronic HI, the zones of impact, and excess cancer burden and (b) peak hourly concentrations to calculate the health impact from substances with acute non-cancer health effects. To achieve these goals, a discrete receptor grid was placed in the project area to cover the zone of impact. According to the SCAQMD, in order "to identify the maximum impacted receptors (i.e., peak cancer risk and peak hazard indices) a grid spacing of 100 meters or less must be used" (see page 16 of SCAQMD's Supplemental Guidelines). The project site is considered the sensitive receptor in this scenario; thus, receptors were modeled with a 5-meter (16.4 feet) by 5-meter (16.4 feet) grid spacing in the project area and along the project site boundary.

Note that the concentration estimate developed using this methodology is considered conservative and is not a specific prediction of the actual concentrations that would occur at the project site any one point in time. Actual 1-hour and annual average concentrations are dependent on many variables, particularly the number and type of vehicles traveling on SR-134 during time periods of adverse meteorology. The 2018 Caltrans Truck AADT lists an estimated 5,585 daily truck trips out of 109,500 vehicles, or about 5.10 percent of the total traffic, on the SR-134 segment to the north of the project site; refer to Appendix A.

A health risk computation was performed to determine the potential risk using the maximum annual average and the risk of developing an excess cancer was calculated on a 30-year exposure scenario for the future on-site residences and 25-year exposure scenario for the future on-site workers. The chronic and carcinogenic health risk calculations are based on the OEHHA Guidance Manual<sup>7</sup>.

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<sup>3</sup> U.S. Environmental Protection Agency, *User's Guide for the AERMOD Terrain Preprocessor (AERMAP)*, [https://www3.epa.gov/ttn/scram/models/aermod/aermap/aermap\\_userguide\\_v18081.pdf](https://www3.epa.gov/ttn/scram/models/aermod/aermap/aermap_userguide_v18081.pdf), accessed July 23, 2020.

<sup>4</sup> California Department of Transportation, *Traffic Census Program – Truck Traffic*, <https://dot.ca.gov/programs/traffic-operations/census>, accessed July 23, 2020.

<sup>5</sup> California Air Resources Board, *EMFAC2017 Web Database*, <https://arb.ca.gov/emfac/2017/>, accessed July 22, 2020.

<sup>6</sup> South Coast Air Quality Management District, *AB 2588 and Rule 1402 Supplemental Guidelines*, <http://www.aqmd.gov/docs/default-source/planning/risk-assessment/ab2588supplementalguidelines.pdf>, accessed July 23, 2020.

<sup>7</sup> Office of Environmental Health Hazard Assessment, *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, February 2015.

## Risk and Hazard Assessment

The Hotspots Analysis and Reporting Program Version 2 (HARP2) Air Dispersion and Risk Tool (ADMRT) was employed to calculate the health risks related to the location of the project site. HARP2 was created for the purpose of assisting and supporting the local California Air Pollution Control and Air Quality Management Districts with implementing the requirements of AB 2588. Although designed to meet the programmatic requirements of AB 2588, HARP2 modules have also been used for preparing risk assessments for other air related programs (e.g., air toxic control measure development, facility permitting applications, ambient monitoring evaluations, and CEQA review).

The risk analysis algorithms and default values used in HARP2 are based on the OEHHA guidelines set forth in the revised *Technical Support Document for Exposure Assessment and Stochastic Analysis*.<sup>8</sup> All equations, default parameter values, and variable distributions encoded into HARP2 are from the OEHHA Guidance Manual. More specifically, the Risk Tool module in HARP2 allows users to:

- Calculate potential health impacts using a ground level concentration;
- Evaluate one or multiple pollutants for one or multiple receptor points;
- Calculate cancer and non-cancer (e.g., acute, 8-hour, and chronic) health impacts using the new risk assessment guidelines in the OEHHA Guidance Manual;
- Use point estimates to calculate inhalation and multi-pathway risks; and
- Perform stochastic health risk analyses.

Cancer Risk. Based on the OEHHA methodology, the residential inhalation cancer risk from annual average DPM concentrations is calculated by multiplying the daily inhalation or oral dose by a cancer potency factor, an age sensitivity factor (ASF), the frequency of time spent at home (for residents only), and the exposure duration divided by averaging time, to yield the excess cancer risk. These factors are discussed in more detail below. It is important to note that exposure duration is based on continual heavy truck operation near the project site. Cancer risk must be separately calculated for specified age groups due to age differences in sensitivity to carcinogens and in intake rates per kilogram of body weight. Separate risk estimates for specified age groups provide a health-protective estimate of cancer risk by accounting for greater susceptibility in early life, including both age-related sensitivity and amount of exposure.

Exposure through inhalation (Dose-air) is a function of breathing rate, exposure frequency, and concentration of a substance in the air. For residential exposure, breathing rates are established for specific age groups; therefore, Dose-air is calculated for each of the following age groups: third trimester, 0<2, 2<9, 2<16, 16<30 and 16-70 years. To estimate cancer risk, the dose was estimated by applying the following formula to each ground level concentration:

$$\text{Dose-air} = (C_{\text{air}} * \{BR/BW\} * A * EF * 10^{-6})$$

Where:

Dose-air = dose through inhalation (microgram per kilogram per day; mg/kg/day)

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<sup>8</sup> Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Risk Assessment Guidelines Technical Support Document for Exposure Assessment and Stochastic Analysis*, <https://oehha.ca.gov/media/downloads/cnr/110711exposuresd.pdf>, accessed July 23, 2020.

- $C_{air}$  = air concentration ( $\mu\text{g}/\text{m}^3$ ) from air dispersion model
- {BR/BW} = 95<sup>th</sup> percentile daily breathing rate normalized to body weight (liters per kilogram [L/kg] body weight [BW]-day) (361 L/kg BW-day for third trimester, 1,090 L/kg BW-day for 0<2 years, 861 L/kg BW-day for 2<9 years, 745 L/kg BW-day for 2<16 years, 335 L/kg BW-day for 16<30 years, and 290 L/kg BW-day 16<70 years)
- A = Inhalation absorption factor (unitless [1])
- EF = exposure frequency (unitless), days/365 days (0.96 [approximately 350 days per year])
- $10^{-6}$  = conversion factor (micrograms to milligrams, liters to cubic meters)

OEHHA developed ASFs to take into account the increased sensitivity to carcinogens during early-in-life exposure. In the absence of chemical-specific data, OEHHA recommends a default ASF of 10 for the third trimester to age 2 years, an ASF of 3 for ages 2 through 15 years to account for potential increased sensitivity to carcinogens during childhood, and an ASF of 1 for ages 16 through 70 years.

Fraction of time at home (FAH) during the day is used to adjust exposure duration and cancer risk from a specific emission source, based on the assumption that exposure to the emissions are not occurring away from home. OEHHA recommends the following FAH values: from the third trimester to age less than 2 years, 85 percent of time is spent at home; from age 2 to less than 16 years, 72 percent of time is spent at home; from age 16 years and greater, 73 percent of time is spent at home.

To estimate the cancer risk, the Dose-air is multiplied by the cancer potency factor, ASF, exposure duration divided by averaging time, and frequency of time spent at home (for residents only):

$$\text{Risk}_{\text{inh-res}} = (\text{Dose}_{\text{air}} * \text{CPF} * \text{ASF} * \text{ED}/\text{AT} * \text{FAH})$$

Where:

- $\text{Risk}_{\text{inh-res}}$  = residential inhalation cancer risk (potential chances per million)
- Dose-air = daily dose through inhalation (mg/kg/day)
- CPF = inhalation cancer potency factor ( $\text{mg}/\text{kg}\cdot\text{day}^{-1}$ )
- ASF = age sensitivity factor for a specified age group (unitless)
- ED = exposure duration (in years) for a specified age group (0.25 years for third trimester, 2 years for 0<2, 7 years for 2<9, 14 years for 2<16, 14 years for 16<30, and 54 years for 16-70)
- AT = averaging time of lifetime cancer risk (years)
- FAH = fraction of time spent at home (unitless)

For the maximally exposed individual worker (MEIW), OEHHA recommends using an exposure duration of 25 years to estimate individual cancer risk for the worker scenario. This duration represents approximately the 95<sup>th</sup> percentile of job tenure with the same employer in the U.S.<sup>9</sup>

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<sup>9</sup> California Air Resources Board, *User Manual for the Hotspots Analysis and Reporting Program Health Risk Assessment Standalone Tool Version 2*, <https://www.arb.ca.gov/toxics/harp/docs2/harp2rastuserguide.pdf>, accessed July 23, 2020.

Chronic Non-Cancer Hazard. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The following equation was used to determine the non-cancer risk:

$$\text{Hazard Quotient} = C_i / \text{REL}_i$$

Where:

$C_i$  = Concentration in the air of substance  $i$  (annual average concentration in  $\mu\text{g}/\text{m}^3$ )

$\text{REL}_i$  = Chronic non-cancer Reference Exposure Level for substance  $i$  ( $\mu\text{g}/\text{m}^3$ )

Acute Non-Cancer Hazard. The potential for acute non-cancer hazard quotient is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population. Currently, OEHHA has not set an acute REL for DPM. To be conservative, the acute REL for Acrolein is used instead given that Acrolein is a major component of diesel exhaust and is considered the worst-case acute REL for diesel exhaust emissions. The calculation of acute non-cancer impacts is similar to the procedure for chronic non-cancer impacts. The equation is as follows:

$$\text{Acute Hazard Quotient} = \text{Maximum Hourly Air Concentration } (\mu\text{g}/\text{m}^3) / \text{Acute REL } (\mu\text{g}/\text{m}^3)$$

## IMPACT ANALYSIS

### Carcinogenic Risk

Based on the AERMOD outputs, the highest expected hourly average diesel  $\text{PM}_{10}$  emission concentrations at the project site resulting from diesel truck traffic along SR-134 would be approximately  $0.101 \mu\text{g}/\text{m}^3$ . The highest expected annual average diesel  $\text{PM}_{10}$  emission concentrations at the project site would be approximately  $0.019 \mu\text{g}/\text{m}^3$ . The calculations conservatively assume cleaner technology with lower emissions are not implemented in future years. Cancer risk calculations are based on the 30-year residential exposure scenario and 25-year worker exposure scenario.

As shown in [Table 1, \*Health Risk at Project Site\*](#), the highest calculated carcinogenic risk at the project site would be 17.0 per million for 30-year residence exposure and 1.19 per million for 25-year worker exposure. The project would comply with 2019 Title 24, which requires installation of MERV 13 filters that are able to filter out 90 percent of particles in the 3.0 to 10  $\mu\text{m}$  range, including  $\text{PM}_{10}$ . With the compliance with this requirement, the highest carcinogenic risk at the project site would be 1.70 per million for 30-year residence exposure and 0.12 per million for 25-year worker exposure. As shown in [Table 1](#), impacts related to cancer risk from diesel truck traffic along SR-134 would be less than significant at the project site.

**Table 1**  
**Health Risk at Project Site**

<b>Exposure Scenario</b>	<b>Maximum Cancer Risk (Risk per Million)<sup>1,2</sup></b>	<b>Significance Threshold (Risk per Million)</b>	<b>Exceeds Significance Threshold?</b>
30-Year Residence Exposure	17.0	10	<b>Yes</b>
30-Year Residence Exposure (MERV 13) <sup>3</sup>	1.70	10	No
25-Year Worker Exposure	1.19	10	No
25-Year Worker Exposure (MERV 13) <sup>3</sup>	0.12	10	No

Notes:

1. Refer to [Appendix A, Dispersion Modeling Data](#).
2. The maximum cancer risk would be experienced at UTM NAD83 Zone 10S coordinate location 376487.03 meters, 3779922.61 meters on the northeastern corner of the project site.
3. Per the 2019 Title 24 Building Energy Efficiency Standards requirements, the project shall install filters that have a designated efficiency equal to or greater than Minimum Efficiency Reporting Value (MERV) 13 when tested in accordance with ASHRAE Standard 52.2, or a particle size efficiency rating equal to or greater than 50 percent in the 0.30-1.0 µm range, equal to or greater than 85 percent in the 1.0-3.0 µm range, and equal to or greater than 90 percent in the 3.0-10 µm range when tested in accordance with AHRI Standard 680.

**Non-Carcinogenic Hazard**

The significance thresholds for TAC exposure also require an evaluation of non-cancer risk stated in terms of a hazard index. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The potential for acute non-cancer hazards is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population. The calculation of acute non-cancer impacts is similar to the procedure for chronic non-cancer impacts.

An acute or chronic hazard index of 1.0 is considered individually significant. The highest maximum chronic and acute hazard index associated with emissions generated by project implementation would be 0.004 and 0.040, respectively; refer to [Appendix A](#). Therefore, non-carcinogenic hazards are calculated to be within acceptable limits (less than 1.0) and a less than significant impact would occur.

**Conclusion**

As described, non-carcinogenic hazards resulting from the location of the proposed project are calculated to be within acceptable limits. Additionally, impacts related to cancer risk and PM<sub>10</sub> concentrations from traffic along SR-134 would be less than significant. Therefore, impacts related to health risk from traffic along SR-134 on the project site would be less than significant.

## REFERENCES

### Documents

1. U.S. Environmental Protection Agency, *User's Guide for the AERMOD Terrain Preprocessor (AERMAP)*, [https://www3.epa.gov/ttn/scram/models/aermod/aermap/aermap\\_userguide\\_v18081.pdf](https://www3.epa.gov/ttn/scram/models/aermod/aermap/aermap_userguide_v18081.pdf), accessed August 4, 2020.
2. California Air Resources Board, *User Manual for the Hotspots Analysis and Reporting Program Health Risk Assessment Standalone Tool Version 2*, <https://www.arb.ca.gov/toxics/harp/docs2/harp2rastuserguide.pdf>, accessed July 23, 2020.
3. California Department of Transportation, *Traffic Census Program – Truck Traffic*, <https://dot.ca.gov/programs/traffic-operations/census>, accessed August 4, 2020.
4. South Coast Air Quality Management District, *AB 2588 and Rule 1402 Supplemental Guidelines*, <http://www.aqmd.gov/docs/default-source/planning/risk-assessment/ab2588supplementalguidelines.pdf>, accessed August 4, 2020.
5. Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Risk Assessment Guidelines Technical Support Document for Exposure Assessment and Stochastic Analysis*, <https://oehha.ca.gov/media/downloads/crn/110711exposuretsd.pdf>, accessed August 4, 2020.
6. Office of Environmental Health Hazard Assessment, *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, February 2015.

### Software/Websites

1. California Air Resources Board, *EMFAC2017 Web Database*, <https://www.arb.ca.gov/emfac/2017/>, accessed August 4, 2020.
2. California Air Resources Board, Hotspots Analysis and Reporting Program (HARP2), Air Dispersion Modeling and Risk Tool (ADMRT), Version 19121.
3. Google Earth Pro, 2020.
4. Lakes Environmental, Gaussian Plume Air Dispersion Model (AERMOD version 19191), Version 9.8.1.
5. South Coast Air Quality Management District, *Data for AERMOD*, <http://www.aqmd.gov/home/air-quality/meteorological-data/data-for-aermod>, accessed July 23, 2020.

**Appendix A**  
Dispersion Modeling Data

**3700 Riverside Drive - Emission Rate Calculations**

<b>Roadway Segment</b>	<b>Emission Factor (g/mi)</b>	<b>2018 Caltrans Truck AADT<sup>1</sup></b>	<b>length (mi)<sup>2</sup></b>	<b>g/day</b>	<b>PM10 Emission Rate (g/sec)</b>
<b>SR-134 Westbound</b>	0.020404164	2793	1.29944065	74.04	0.00085695
<b>SR-134 Eastbound</b>	0.020404164	2793	1.29844624	73.98	0.00085629

Notes:

1. Annual Average Daily Truck Volumes from Route 134, District 07, Post Mile R5.47R.
2. Length (mi) is from line volume source drawn in Lakes AERMOD converted from meters to miles.

Sources:

<https://www.arb.ca.gov/emfac/2017/>  
<https://dot.ca.gov/programs/traffic-operations/census>  
[http://www.dot.ca.gov/trafficops/census/docs/Back\\_and\\_Ahead\\_Leg\\_Traffic\\_Count\\_Diagram.pdf](http://www.dot.ca.gov/trafficops/census/docs/Back_and_Ahead_Leg_Traffic_Count_Diagram.pdf)

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 8/3/2020
** File: C:\Lakes\AERMOD View\3700 Riverside Drive\3700 Riverside Drive.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\3700 Riverside Drive\3700 Riverside Drive.isc
  MODELOPT DFAULT CONC
  AVERTIME 1 PERIOD
  URBANOPT 105861
  POLLUTID PM_10
  FLAGPOLE 1.50
  RUNORNOT RUN
  ERRORFIL "3700 Riverside Drive.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = EB_SR134
** DESCRSRC
** PREFIX
** Length of Side = 13.41
** Configuration = Adjacent
** Emission Rate = 0.00085629
** Vertical Dimension = 4.57
** SZINIT = 2.13
** Nodes = 22
** 375431.199, 3779966.029, 177.86, 2.29, 6.24
** 375694.268, 3780016.879, 169.85, 2.29, 6.24
** 375785.883, 3780033.399, 166.89, 2.29, 6.24

```

\*\* 375872.992, 3780042.411, 164.29, 2.29, 6.24  
 \*\* 375976.622, 3780048.418, 161.48, 2.29, 6.24  
 \*\* 376076.048, 3780046.922, 160.31, 2.29, 6.24  
 \*\* 376165.860, 3780040.909, 159.82, 2.29, 6.24  
 \*\* 376252.969, 3780027.392, 159.35, 2.29, 6.24  
 \*\* 376358.403, 3780010.280, 158.95, 2.29, 6.24  
 \*\* 376488.765, 3779987.746, 159.16, 2.29, 6.24  
 \*\* 376581.586, 3779971.225, 159.34, 2.29, 6.24  
 \*\* 376642.253, 3779957.702, 159.07, 2.29, 6.24  
 \*\* 376765.112, 3779920.758, 159.00, 2.29, 6.24  
 \*\* 376909.293, 3779875.701, 159.12, 2.29, 6.24  
 \*\* 376949.844, 3779864.893, 159.46, 2.29, 6.24  
 \*\* 377002.108, 3779854.971, 160.19, 2.29, 6.24  
 \*\* 377042.961, 3779848.667, 161.25, 2.29, 6.24  
 \*\* 377109.043, 3779848.667, 161.88, 2.29, 6.24  
 \*\* 377197.655, 3779856.177, 162.86, 2.29, 6.24  
 \*\* 377273.949, 3779871.805, 163.41, 2.29, 6.24  
 \*\* 377376.077, 3779895.527, 157.77, 2.29, 6.24  
 \*\* 377483.308, 3779920.143, 163.34, 2.29, 6.24

\*\* -----

LOCATION L0004098	VOLUME	375437.783	3779967.301	177.70
LOCATION L0004099	VOLUME	375450.951	3779969.847	177.32
LOCATION L0004100	VOLUME	375464.118	3779972.392	176.95
LOCATION L0004101	VOLUME	375477.285	3779974.937	176.56
LOCATION L0004102	VOLUME	375490.453	3779977.482	176.18
LOCATION L0004103	VOLUME	375503.620	3779980.027	175.77
LOCATION L0004104	VOLUME	375516.788	3779982.573	175.37
LOCATION L0004105	VOLUME	375529.955	3779985.118	174.94
LOCATION L0004106	VOLUME	375543.123	3779987.663	174.52
LOCATION L0004107	VOLUME	375556.290	3779990.208	174.07
LOCATION L0004108	VOLUME	375569.458	3779992.753	173.65
LOCATION L0004109	VOLUME	375582.625	3779995.299	173.26
LOCATION L0004110	VOLUME	375595.793	3779997.844	172.85
LOCATION L0004111	VOLUME	375608.960	3780000.389	172.42
LOCATION L0004112	VOLUME	375622.128	3780002.934	172.03
LOCATION L0004113	VOLUME	375635.295	3780005.479	171.67
LOCATION L0004114	VOLUME	375648.463	3780008.025	171.25
LOCATION L0004115	VOLUME	375661.630	3780010.570	170.81
LOCATION L0004116	VOLUME	375674.798	3780013.115	170.41
LOCATION L0004117	VOLUME	375687.965	3780015.660	169.99
LOCATION L0004118	VOLUME	375701.149	3780018.119	169.53
LOCATION L0004119	VOLUME	375714.347	3780020.499	169.10
LOCATION L0004120	VOLUME	375727.545	3780022.879	168.67
LOCATION L0004121	VOLUME	375740.744	3780025.259	168.26
LOCATION L0004122	VOLUME	375753.942	3780027.639	167.86
LOCATION L0004123	VOLUME	375767.140	3780030.019	167.45
LOCATION L0004124	VOLUME	375780.338	3780032.399	167.05
LOCATION L0004125	VOLUME	375793.619	3780034.200	166.65
LOCATION L0004126	VOLUME	375806.959	3780035.580	166.24
LOCATION L0004127	VOLUME	375820.299	3780036.960	165.82

LOCATION L0004128	VOLUME	375833.639	3780038.340	165.42
LOCATION L0004129	VOLUME	375846.979	3780039.720	165.02
LOCATION L0004130	VOLUME	375860.319	3780041.100	164.61
LOCATION L0004131	VOLUME	375873.661	3780042.449	164.22
LOCATION L0004132	VOLUME	375887.050	3780043.226	163.80
LOCATION L0004133	VOLUME	375900.439	3780044.002	163.40
LOCATION L0004134	VOLUME	375913.828	3780044.778	162.99
LOCATION L0004135	VOLUME	375927.216	3780045.554	162.60
LOCATION L0004136	VOLUME	375940.605	3780046.330	162.20
LOCATION L0004137	VOLUME	375953.994	3780047.106	161.85
LOCATION L0004138	VOLUME	375967.383	3780047.882	161.53
LOCATION L0004139	VOLUME	375980.778	3780048.356	161.25
LOCATION L0004140	VOLUME	375994.187	3780048.154	160.98
LOCATION L0004141	VOLUME	376007.597	3780047.952	160.77
LOCATION L0004142	VOLUME	376021.007	3780047.750	160.58
LOCATION L0004143	VOLUME	376034.416	3780047.548	160.44
LOCATION L0004144	VOLUME	376047.826	3780047.347	160.34
LOCATION L0004145	VOLUME	376061.236	3780047.145	160.27
LOCATION L0004146	VOLUME	376074.646	3780046.943	160.20
LOCATION L0004147	VOLUME	376088.030	3780046.120	160.13
LOCATION L0004148	VOLUME	376101.411	3780045.224	160.07
LOCATION L0004149	VOLUME	376114.792	3780044.328	160.00
LOCATION L0004150	VOLUME	376128.173	3780043.432	159.93
LOCATION L0004151	VOLUME	376141.555	3780042.536	159.87
LOCATION L0004152	VOLUME	376154.936	3780041.640	159.81
LOCATION L0004153	VOLUME	376168.294	3780040.531	159.76
LOCATION L0004154	VOLUME	376181.546	3780038.475	159.73
LOCATION L0004155	VOLUME	376194.799	3780036.418	159.63
LOCATION L0004156	VOLUME	376208.051	3780034.362	159.54
LOCATION L0004157	VOLUME	376221.304	3780032.305	159.47
LOCATION L0004158	VOLUME	376234.557	3780030.249	159.41
LOCATION L0004159	VOLUME	376247.809	3780028.192	159.36
LOCATION L0004160	VOLUME	376261.053	3780026.080	159.33
LOCATION L0004161	VOLUME	376274.291	3780023.931	159.28
LOCATION L0004162	VOLUME	376287.529	3780021.783	159.24
LOCATION L0004163	VOLUME	376300.767	3780019.634	159.22
LOCATION L0004164	VOLUME	376314.005	3780017.486	159.16
LOCATION L0004165	VOLUME	376327.243	3780015.337	159.06
LOCATION L0004166	VOLUME	376340.481	3780013.188	159.02
LOCATION L0004167	VOLUME	376353.719	3780011.040	158.98
LOCATION L0004168	VOLUME	376366.942	3780008.804	158.92
LOCATION L0004169	VOLUME	376380.157	3780006.519	158.88
LOCATION L0004170	VOLUME	376393.372	3780004.235	158.80
LOCATION L0004171	VOLUME	376406.588	3780001.951	158.71
LOCATION L0004172	VOLUME	376419.803	3779999.666	158.68
LOCATION L0004173	VOLUME	376433.018	3779997.382	158.73
LOCATION L0004174	VOLUME	376446.233	3779995.097	158.83
LOCATION L0004175	VOLUME	376459.448	3779992.813	158.90
LOCATION L0004176	VOLUME	376472.664	3779990.529	158.98
LOCATION L0004177	VOLUME	376485.879	3779988.244	159.06

LOCATION	L0004178	VOLUME	376499.085	3779985.909	159.14
LOCATION	L0004179	VOLUME	376512.289	3779983.559	159.20
LOCATION	L0004180	VOLUME	376525.492	3779981.209	159.23
LOCATION	L0004181	VOLUME	376538.696	3779978.859	159.27
LOCATION	L0004182	VOLUME	376551.900	3779976.509	159.32
LOCATION	L0004183	VOLUME	376565.104	3779974.158	159.36
LOCATION	L0004184	VOLUME	376578.307	3779971.808	159.36
LOCATION	L0004185	VOLUME	376591.425	3779969.032	159.31
LOCATION	L0004186	VOLUME	376604.515	3779966.114	159.24
LOCATION	L0004187	VOLUME	376617.605	3779963.196	159.15
LOCATION	L0004188	VOLUME	376630.695	3779960.278	159.06
LOCATION	L0004189	VOLUME	376643.756	3779957.250	158.98
LOCATION	L0004190	VOLUME	376656.599	3779953.388	158.87
LOCATION	L0004191	VOLUME	376669.443	3779949.526	158.78
LOCATION	L0004192	VOLUME	376682.286	3779945.664	158.70
LOCATION	L0004193	VOLUME	376695.129	3779941.802	158.67
LOCATION	L0004194	VOLUME	376707.972	3779937.940	158.68
LOCATION	L0004195	VOLUME	376720.815	3779934.078	158.73
LOCATION	L0004196	VOLUME	376733.658	3779930.216	158.82
LOCATION	L0004197	VOLUME	376746.501	3779926.354	158.88
LOCATION	L0004198	VOLUME	376759.344	3779922.492	158.94
LOCATION	L0004199	VOLUME	376772.164	3779918.554	159.04
LOCATION	L0004200	VOLUME	376784.965	3779914.554	159.03
LOCATION	L0004201	VOLUME	376797.766	3779910.554	159.02
LOCATION	L0004202	VOLUME	376810.566	3779906.553	159.00
LOCATION	L0004203	VOLUME	376823.367	3779902.553	158.95
LOCATION	L0004204	VOLUME	376836.168	3779898.553	158.87
LOCATION	L0004205	VOLUME	376848.968	3779894.553	158.81
LOCATION	L0004206	VOLUME	376861.769	3779890.552	158.78
LOCATION	L0004207	VOLUME	376874.570	3779886.552	158.73
LOCATION	L0004208	VOLUME	376887.371	3779882.552	158.72
LOCATION	L0004209	VOLUME	376900.171	3779878.552	158.78
LOCATION	L0004210	VOLUME	376913.017	3779874.709	158.86
LOCATION	L0004211	VOLUME	376925.976	3779871.254	159.00
LOCATION	L0004212	VOLUME	376938.935	3779867.800	159.20
LOCATION	L0004213	VOLUME	376951.928	3779864.497	159.41
LOCATION	L0004214	VOLUME	376965.104	3779861.995	159.56
LOCATION	L0004215	VOLUME	376978.280	3779859.494	159.73
LOCATION	L0004216	VOLUME	376991.456	3779856.993	159.92
LOCATION	L0004217	VOLUME	377004.647	3779854.579	160.12
LOCATION	L0004218	VOLUME	377017.901	3779852.534	160.30
LOCATION	L0004219	VOLUME	377031.155	3779850.489	160.51
LOCATION	L0004220	VOLUME	377044.427	3779848.667	160.72
LOCATION	L0004221	VOLUME	377057.838	3779848.667	160.84
LOCATION	L0004222	VOLUME	377071.249	3779848.667	160.97
LOCATION	L0004223	VOLUME	377084.660	3779848.667	161.12
LOCATION	L0004224	VOLUME	377098.072	3779848.667	161.28
LOCATION	L0004225	VOLUME	377111.474	3779848.873	161.46
LOCATION	L0004226	VOLUME	377124.837	3779850.006	161.60
LOCATION	L0004227	VOLUME	377138.201	3779851.138	161.77

LOCATION	L0004228	VOLUME	377151.564	3779852.271	161.95
LOCATION	L0004229	VOLUME	377164.927	3779853.403	162.14
LOCATION	L0004230	VOLUME	377178.291	3779854.536	162.32
LOCATION	L0004231	VOLUME	377191.654	3779855.668	162.53
LOCATION	L0004232	VOLUME	377204.893	3779857.660	162.69
LOCATION	L0004233	VOLUME	377218.032	3779860.351	162.79
LOCATION	L0004234	VOLUME	377231.170	3779863.042	162.91
LOCATION	L0004235	VOLUME	377244.309	3779865.733	163.04
LOCATION	L0004236	VOLUME	377257.447	3779868.424	163.19
LOCATION	L0004237	VOLUME	377270.585	3779871.116	163.31
LOCATION	L0004238	VOLUME	377283.668	3779874.062	163.41
LOCATION	L0004239	VOLUME	377296.731	3779877.097	163.49
LOCATION	L0004240	VOLUME	377309.795	3779880.131	163.51
LOCATION	L0004241	VOLUME	377322.858	3779883.165	163.52
LOCATION	L0004242	VOLUME	377335.922	3779886.200	163.52
LOCATION	L0004243	VOLUME	377348.985	3779889.234	162.03
LOCATION	L0004244	VOLUME	377362.048	3779892.269	158.03
LOCATION	L0004245	VOLUME	377375.112	3779895.303	158.13
LOCATION	L0004246	VOLUME	377388.182	3779898.306	162.77
LOCATION	L0004247	VOLUME	377401.254	3779901.307	163.46
LOCATION	L0004248	VOLUME	377414.325	3779904.307	163.41
LOCATION	L0004249	VOLUME	377427.396	3779907.308	163.40
LOCATION	L0004250	VOLUME	377440.467	3779910.308	163.42
LOCATION	L0004251	VOLUME	377453.539	3779913.309	163.36
LOCATION	L0004252	VOLUME	377466.610	3779916.310	163.33
LOCATION	L0004253	VOLUME	377479.681	3779919.310	163.34

\*\* End of LINE VOLUME Source ID = EB\_SR134

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\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = WB\_SR134

\*\* DESCRSRC

\*\* PREFIX

\*\* Length of Side = 13.41

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00085695

\*\* Vertical Dimension = 4.57

\*\* SZINIT = 2.13

\*\* Nodes = 22

\*\* 375432.488, 3779985.973, 177.32, 2.29, 6.24

\*\* 375662.988, 3780029.677, 170.71, 2.29, 6.24

\*\* 375776.990, 3780051.814, 167.50, 2.29, 6.24

\*\* 375838.972, 3780059.561, 165.55, 2.29, 6.24

\*\* 375920.877, 3780067.309, 163.10, 2.29, 6.24

\*\* 376019.383, 3780067.309, 160.92, 2.29, 6.24

\*\* 376095.754, 3780065.095, 160.43, 2.29, 6.24

\*\* 376185.406, 3780057.348, 160.13, 2.29, 6.24

\*\* 376293.874, 3780041.852, 159.46, 2.29, 6.24

\*\* 376441.081, 3780016.395, 158.78, 2.29, 6.24

\*\* 376613.744, 3779984.298, 159.59, 2.29, 6.24

\*\* 376675.726, 3779967.695, 159.02, 2.29, 6.24

\*\* 376721.603, 3779954.356, 159.06, 2.29, 6.24  
 \*\* 376757.337, 3779943.851, 159.07, 2.29, 6.24  
 \*\* 376859.208, 3779911.614, 158.57, 2.29, 6.24  
 \*\* 376917.012, 3779893.539, 158.07, 2.29, 6.24  
 \*\* 376986.742, 3779875.830, 158.95, 2.29, 6.24  
 \*\* 377070.860, 3779866.975, 160.25, 2.29, 6.24  
 \*\* 377119.560, 3779865.868, 160.90, 2.29, 6.24  
 \*\* 377191.503, 3779873.616, 161.76, 2.29, 6.24  
 \*\* 377294.437, 3779896.859, 163.28, 2.29, 6.24  
 \*\* 377482.596, 3779952.200, 163.27, 2.29, 6.24

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LOCATION L0003942	VOLUME	375439.076	3779987.222	177.18
LOCATION L0003943	VOLUME	375452.252	3779989.721	176.80
LOCATION L0003944	VOLUME	375465.429	3779992.219	176.41
LOCATION L0003945	VOLUME	375478.605	3779994.717	176.01
LOCATION L0003946	VOLUME	375491.782	3779997.216	175.63
LOCATION L0003947	VOLUME	375504.958	3779999.714	175.26
LOCATION L0003948	VOLUME	375518.135	3780002.212	174.91
LOCATION L0003949	VOLUME	375531.311	3780004.711	174.57
LOCATION L0003950	VOLUME	375544.487	3780007.209	174.23
LOCATION L0003951	VOLUME	375557.664	3780009.707	173.84
LOCATION L0003952	VOLUME	375570.840	3780012.205	173.46
LOCATION L0003953	VOLUME	375584.017	3780014.704	173.10
LOCATION L0003954	VOLUME	375597.193	3780017.202	172.70
LOCATION L0003955	VOLUME	375610.370	3780019.700	172.28
LOCATION L0003956	VOLUME	375623.546	3780022.199	171.89
LOCATION L0003957	VOLUME	375636.723	3780024.697	171.52
LOCATION L0003958	VOLUME	375649.899	3780027.195	171.13
LOCATION L0003959	VOLUME	375663.075	3780029.694	170.76
LOCATION L0003960	VOLUME	375676.241	3780032.251	170.40
LOCATION L0003961	VOLUME	375689.406	3780034.807	170.06
LOCATION L0003962	VOLUME	375702.571	3780037.363	169.69
LOCATION L0003963	VOLUME	375715.737	3780039.920	169.32
LOCATION L0003964	VOLUME	375728.902	3780042.476	168.93
LOCATION L0003965	VOLUME	375742.067	3780045.032	168.54
LOCATION L0003966	VOLUME	375755.233	3780047.589	168.15
LOCATION L0003967	VOLUME	375768.398	3780050.145	167.76
LOCATION L0003968	VOLUME	375781.613	3780052.391	167.36
LOCATION L0003969	VOLUME	375794.920	3780054.055	166.95
LOCATION L0003970	VOLUME	375808.228	3780055.718	166.55
LOCATION L0003971	VOLUME	375821.535	3780057.382	166.16
LOCATION L0003972	VOLUME	375834.843	3780059.045	165.76
LOCATION L0003973	VOLUME	375848.181	3780060.432	165.36
LOCATION L0003974	VOLUME	375861.533	3780061.695	164.96
LOCATION L0003975	VOLUME	375874.884	3780062.958	164.57
LOCATION L0003976	VOLUME	375888.236	3780064.221	164.18
LOCATION L0003977	VOLUME	375901.587	3780065.484	163.78
LOCATION L0003978	VOLUME	375914.939	3780066.747	163.39
LOCATION L0003979	VOLUME	375928.324	3780067.309	162.99
LOCATION L0003980	VOLUME	375941.735	3780067.309	162.60

LOCATION	L0003981	VOLUME	375955.146	3780067.309	162.24
LOCATION	L0003982	VOLUME	375968.557	3780067.309	161.91
LOCATION	L0003983	VOLUME	375981.969	3780067.309	161.63
LOCATION	L0003984	VOLUME	375995.380	3780067.309	161.38
LOCATION	L0003985	VOLUME	376008.791	3780067.309	161.18
LOCATION	L0003986	VOLUME	376022.201	3780067.227	161.00
LOCATION	L0003987	VOLUME	376035.607	3780066.839	160.86
LOCATION	L0003988	VOLUME	376049.012	3780066.450	160.76
LOCATION	L0003989	VOLUME	376062.418	3780066.062	160.68
LOCATION	L0003990	VOLUME	376075.823	3780065.673	160.62
LOCATION	L0003991	VOLUME	376089.229	3780065.285	160.56
LOCATION	L0003992	VOLUME	376102.612	3780064.503	160.49
LOCATION	L0003993	VOLUME	376115.973	3780063.348	160.42
LOCATION	L0003994	VOLUME	376129.335	3780062.193	160.35
LOCATION	L0003995	VOLUME	376142.696	3780061.039	160.29
LOCATION	L0003996	VOLUME	376156.057	3780059.884	160.23
LOCATION	L0003997	VOLUME	376169.419	3780058.729	160.18
LOCATION	L0003998	VOLUME	376182.780	3780057.575	160.12
LOCATION	L0003999	VOLUME	376196.073	3780055.824	160.06
LOCATION	L0004000	VOLUME	376209.350	3780053.927	159.99
LOCATION	L0004001	VOLUME	376222.626	3780052.030	159.92
LOCATION	L0004002	VOLUME	376235.902	3780050.134	159.85
LOCATION	L0004003	VOLUME	376249.179	3780048.237	159.79
LOCATION	L0004004	VOLUME	376262.455	3780046.341	159.70
LOCATION	L0004005	VOLUME	376275.732	3780044.444	159.61
LOCATION	L0004006	VOLUME	376289.008	3780042.547	159.50
LOCATION	L0004007	VOLUME	376302.246	3780040.404	159.39
LOCATION	L0004008	VOLUME	376315.461	3780038.119	159.29
LOCATION	L0004009	VOLUME	376328.676	3780035.834	159.19
LOCATION	L0004010	VOLUME	376341.891	3780033.549	159.09
LOCATION	L0004011	VOLUME	376355.106	3780031.263	158.99
LOCATION	L0004012	VOLUME	376368.321	3780028.978	158.92
LOCATION	L0004013	VOLUME	376381.536	3780026.693	158.90
LOCATION	L0004014	VOLUME	376394.751	3780024.407	158.83
LOCATION	L0004015	VOLUME	376407.966	3780022.122	158.72
LOCATION	L0004016	VOLUME	376421.181	3780019.837	158.68
LOCATION	L0004017	VOLUME	376434.396	3780017.551	158.72
LOCATION	L0004018	VOLUME	376447.597	3780015.184	158.80
LOCATION	L0004019	VOLUME	376460.782	3780012.733	158.87
LOCATION	L0004020	VOLUME	376473.967	3780010.282	158.98
LOCATION	L0004021	VOLUME	376487.152	3780007.831	159.09
LOCATION	L0004022	VOLUME	376500.338	3780005.380	159.22
LOCATION	L0004023	VOLUME	376513.523	3780002.929	159.34
LOCATION	L0004024	VOLUME	376526.708	3780000.477	159.47
LOCATION	L0004025	VOLUME	376539.894	3779998.026	159.60
LOCATION	L0004026	VOLUME	376553.079	3779995.575	159.71
LOCATION	L0004027	VOLUME	376566.264	3779993.124	159.76
LOCATION	L0004028	VOLUME	376579.450	3779990.673	159.78
LOCATION	L0004029	VOLUME	376592.635	3779988.222	159.75
LOCATION	L0004030	VOLUME	376605.820	3779985.771	159.69

LOCATION	L0004031	VOLUME	376618.913	3779982.913	159.60
LOCATION	L0004032	VOLUME	376631.868	3779979.443	159.50
LOCATION	L0004033	VOLUME	376644.822	3779975.973	159.40
LOCATION	L0004034	VOLUME	376657.777	3779972.503	159.31
LOCATION	L0004035	VOLUME	376670.732	3779969.033	159.21
LOCATION	L0004036	VOLUME	376683.639	3779965.395	159.13
LOCATION	L0004037	VOLUME	376696.517	3779961.650	159.09
LOCATION	L0004038	VOLUME	376709.395	3779957.905	159.08
LOCATION	L0004039	VOLUME	376722.272	3779954.159	159.08
LOCATION	L0004040	VOLUME	376735.139	3779950.377	159.08
LOCATION	L0004041	VOLUME	376748.005	3779946.594	159.08
LOCATION	L0004042	VOLUME	376760.850	3779942.740	159.06
LOCATION	L0004043	VOLUME	376773.636	3779938.693	159.06
LOCATION	L0004044	VOLUME	376786.423	3779934.647	159.03
LOCATION	L0004045	VOLUME	376799.209	3779930.601	159.02
LOCATION	L0004046	VOLUME	376811.995	3779926.555	158.99
LOCATION	L0004047	VOLUME	376824.781	3779922.509	158.88
LOCATION	L0004048	VOLUME	376837.568	3779918.462	158.80
LOCATION	L0004049	VOLUME	376850.354	3779914.416	158.67
LOCATION	L0004050	VOLUME	376863.144	3779910.383	158.50
LOCATION	L0004051	VOLUME	376875.944	3779906.381	158.38
LOCATION	L0004052	VOLUME	376888.744	3779902.378	158.22
LOCATION	L0004053	VOLUME	376901.544	3779898.376	158.13
LOCATION	L0004054	VOLUME	376914.344	3779894.373	158.10
LOCATION	L0004055	VOLUME	376927.302	3779890.926	158.10
LOCATION	L0004056	VOLUME	376940.300	3779887.624	158.18
LOCATION	L0004057	VOLUME	376953.299	3779884.323	158.33
LOCATION	L0004058	VOLUME	376966.297	3779881.022	158.51
LOCATION	L0004059	VOLUME	376979.296	3779877.721	158.72
LOCATION	L0004060	VOLUME	376992.439	3779875.230	158.91
LOCATION	L0004061	VOLUME	377005.777	3779873.826	159.04
LOCATION	L0004062	VOLUME	377019.114	3779872.422	159.19
LOCATION	L0004063	VOLUME	377032.452	3779871.018	159.37
LOCATION	L0004064	VOLUME	377045.789	3779869.614	159.57
LOCATION	L0004065	VOLUME	377059.127	3779868.210	159.77
LOCATION	L0004066	VOLUME	377072.473	3779866.938	159.99
LOCATION	L0004067	VOLUME	377085.880	3779866.634	160.16
LOCATION	L0004068	VOLUME	377099.288	3779866.329	160.35
LOCATION	L0004069	VOLUME	377112.696	3779866.024	160.57
LOCATION	L0004070	VOLUME	377126.068	3779866.569	160.75
LOCATION	L0004071	VOLUME	377139.402	3779868.005	160.89
LOCATION	L0004072	VOLUME	377152.736	3779869.441	161.05
LOCATION	L0004073	VOLUME	377166.070	3779870.877	161.23
LOCATION	L0004074	VOLUME	377179.404	3779872.313	161.42
LOCATION	L0004075	VOLUME	377192.715	3779873.890	161.63
LOCATION	L0004076	VOLUME	377205.797	3779876.844	161.79
LOCATION	L0004077	VOLUME	377218.878	3779879.798	161.98
LOCATION	L0004078	VOLUME	377231.960	3779882.752	162.23
LOCATION	L0004079	VOLUME	377245.042	3779885.706	162.45
LOCATION	L0004080	VOLUME	377258.124	3779888.659	162.71

LOCATION	L0004081	VOLUME	377271.206	3779891.613	162.95
LOCATION	L0004082	VOLUME	377284.288	3779894.567	163.12
LOCATION	L0004083	VOLUME	377297.321	3779897.707	163.28
LOCATION	L0004084	VOLUME	377310.187	3779901.492	163.43
LOCATION	L0004085	VOLUME	377323.054	3779905.276	163.46
LOCATION	L0004086	VOLUME	377335.920	3779909.060	162.99
LOCATION	L0004087	VOLUME	377348.786	3779912.844	159.38
LOCATION	L0004088	VOLUME	377361.652	3779916.628	157.46
LOCATION	L0004089	VOLUME	377374.519	3779920.413	160.51
LOCATION	L0004090	VOLUME	377387.385	3779924.197	163.43
LOCATION	L0004091	VOLUME	377400.251	3779927.981	163.41
LOCATION	L0004092	VOLUME	377413.117	3779931.765	163.35
LOCATION	L0004093	VOLUME	377425.983	3779935.549	163.36
LOCATION	L0004094	VOLUME	377438.850	3779939.334	163.33
LOCATION	L0004095	VOLUME	377451.716	3779943.118	163.27
LOCATION	L0004096	VOLUME	377464.582	3779946.902	163.25
LOCATION	L0004097	VOLUME	377477.448	3779950.686	163.19

\*\* End of LINE VOLUME Source ID = WB\_SR134

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = EB\_SR134

SRCPARAM	L0004098	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004099	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004100	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004101	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004102	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004103	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004104	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004105	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004106	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004107	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004108	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004109	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004110	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004111	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004112	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004113	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004114	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004115	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004116	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004117	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004118	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004119	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004120	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004121	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004122	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004123	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004124	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004125	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004126	0.000005489	2.29	6.24	2.13
SRCPARAM	L0004127	0.000005489	2.29	6.24	2.13





SRCPARAM L0004228	0.000005489	2.29	6.24	2.13
SRCPARAM L0004229	0.000005489	2.29	6.24	2.13
SRCPARAM L0004230	0.000005489	2.29	6.24	2.13
SRCPARAM L0004231	0.000005489	2.29	6.24	2.13
SRCPARAM L0004232	0.000005489	2.29	6.24	2.13
SRCPARAM L0004233	0.000005489	2.29	6.24	2.13
SRCPARAM L0004234	0.000005489	2.29	6.24	2.13
SRCPARAM L0004235	0.000005489	2.29	6.24	2.13
SRCPARAM L0004236	0.000005489	2.29	6.24	2.13
SRCPARAM L0004237	0.000005489	2.29	6.24	2.13
SRCPARAM L0004238	0.000005489	2.29	6.24	2.13
SRCPARAM L0004239	0.000005489	2.29	6.24	2.13
SRCPARAM L0004240	0.000005489	2.29	6.24	2.13
SRCPARAM L0004241	0.000005489	2.29	6.24	2.13
SRCPARAM L0004242	0.000005489	2.29	6.24	2.13
SRCPARAM L0004243	0.000005489	2.29	6.24	2.13
SRCPARAM L0004244	0.000005489	2.29	6.24	2.13
SRCPARAM L0004245	0.000005489	2.29	6.24	2.13
SRCPARAM L0004246	0.000005489	2.29	6.24	2.13
SRCPARAM L0004247	0.000005489	2.29	6.24	2.13
SRCPARAM L0004248	0.000005489	2.29	6.24	2.13
SRCPARAM L0004249	0.000005489	2.29	6.24	2.13
SRCPARAM L0004250	0.000005489	2.29	6.24	2.13
SRCPARAM L0004251	0.000005489	2.29	6.24	2.13
SRCPARAM L0004252	0.000005489	2.29	6.24	2.13
SRCPARAM L0004253	0.000005489	2.29	6.24	2.13

\*\*

\*\* LINE VOLUME Source ID = WB\_SR134

SRCPARAM L0003942	0.000005493	2.29	6.24	2.13
SRCPARAM L0003943	0.000005493	2.29	6.24	2.13
SRCPARAM L0003944	0.000005493	2.29	6.24	2.13
SRCPARAM L0003945	0.000005493	2.29	6.24	2.13
SRCPARAM L0003946	0.000005493	2.29	6.24	2.13
SRCPARAM L0003947	0.000005493	2.29	6.24	2.13
SRCPARAM L0003948	0.000005493	2.29	6.24	2.13
SRCPARAM L0003949	0.000005493	2.29	6.24	2.13
SRCPARAM L0003950	0.000005493	2.29	6.24	2.13
SRCPARAM L0003951	0.000005493	2.29	6.24	2.13
SRCPARAM L0003952	0.000005493	2.29	6.24	2.13
SRCPARAM L0003953	0.000005493	2.29	6.24	2.13
SRCPARAM L0003954	0.000005493	2.29	6.24	2.13
SRCPARAM L0003955	0.000005493	2.29	6.24	2.13
SRCPARAM L0003956	0.000005493	2.29	6.24	2.13
SRCPARAM L0003957	0.000005493	2.29	6.24	2.13
SRCPARAM L0003958	0.000005493	2.29	6.24	2.13
SRCPARAM L0003959	0.000005493	2.29	6.24	2.13
SRCPARAM L0003960	0.000005493	2.29	6.24	2.13
SRCPARAM L0003961	0.000005493	2.29	6.24	2.13
SRCPARAM L0003962	0.000005493	2.29	6.24	2.13
SRCPARAM L0003963	0.000005493	2.29	6.24	2.13





SRCPARAM L0004064	0.000005493	2.29	6.24	2.13
SRCPARAM L0004065	0.000005493	2.29	6.24	2.13
SRCPARAM L0004066	0.000005493	2.29	6.24	2.13
SRCPARAM L0004067	0.000005493	2.29	6.24	2.13
SRCPARAM L0004068	0.000005493	2.29	6.24	2.13
SRCPARAM L0004069	0.000005493	2.29	6.24	2.13
SRCPARAM L0004070	0.000005493	2.29	6.24	2.13
SRCPARAM L0004071	0.000005493	2.29	6.24	2.13
SRCPARAM L0004072	0.000005493	2.29	6.24	2.13
SRCPARAM L0004073	0.000005493	2.29	6.24	2.13
SRCPARAM L0004074	0.000005493	2.29	6.24	2.13
SRCPARAM L0004075	0.000005493	2.29	6.24	2.13
SRCPARAM L0004076	0.000005493	2.29	6.24	2.13
SRCPARAM L0004077	0.000005493	2.29	6.24	2.13
SRCPARAM L0004078	0.000005493	2.29	6.24	2.13
SRCPARAM L0004079	0.000005493	2.29	6.24	2.13
SRCPARAM L0004080	0.000005493	2.29	6.24	2.13
SRCPARAM L0004081	0.000005493	2.29	6.24	2.13
SRCPARAM L0004082	0.000005493	2.29	6.24	2.13
SRCPARAM L0004083	0.000005493	2.29	6.24	2.13
SRCPARAM L0004084	0.000005493	2.29	6.24	2.13
SRCPARAM L0004085	0.000005493	2.29	6.24	2.13
SRCPARAM L0004086	0.000005493	2.29	6.24	2.13
SRCPARAM L0004087	0.000005493	2.29	6.24	2.13
SRCPARAM L0004088	0.000005493	2.29	6.24	2.13
SRCPARAM L0004089	0.000005493	2.29	6.24	2.13
SRCPARAM L0004090	0.000005493	2.29	6.24	2.13
SRCPARAM L0004091	0.000005493	2.29	6.24	2.13
SRCPARAM L0004092	0.000005493	2.29	6.24	2.13
SRCPARAM L0004093	0.000005493	2.29	6.24	2.13
SRCPARAM L0004094	0.000005493	2.29	6.24	2.13
SRCPARAM L0004095	0.000005493	2.29	6.24	2.13
SRCPARAM L0004096	0.000005493	2.29	6.24	2.13
SRCPARAM L0004097	0.000005493	2.29	6.24	2.13

\*\* -----

URBANSRC ALL

SRCGROUP ALL

SO FINISHED

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\*\* AERMOD Receptor Pathway

\*\*\*\*\*

\*\*

\*\*

RE STARTING

INCLUDED "3700 Riverside Drive.rou"

RE FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Meteorology Pathway

\*\*\*\*\*

\*\*  
\*\*

ME STARTING

SURFFILE BurbankAirportADJU\KBUR\_V9\_ADJU\KBUR\_v9.SFC  
PROFFILE BurbankAirportADJU\KBUR\_V9\_ADJU\KBUR\_v9.PFL  
SURFDATA 23152 2012 Burbank\_Airport  
UAIRDATA 3190 2012  
PROFBASE 236.0 METERS

ME FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Output Pathway

\*\*\*\*\*

\*\*  
\*\*

OU STARTING

RECTABLE ALLAVE 1ST  
RECTABLE 1 1ST

\*\* Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "3700 Riverside Drive.AD\01H1GALL.PLT" 31  
PLOTFILE PERIOD ALL "3700 Riverside Drive.AD\PE00GALL.PLT" 32  
SUMMFILE "3700 Riverside Drive.sum"

OU FINISHED

\*\*\* Message Summary For AERMOD Model Setup \*\*\*

----- Summary of Total Messages -----

A Total of                   0 Fatal Error Message(s)  
A Total of                   2 Warning Message(s)  
A Total of                   0 Informational Message(s)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
          \*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186       760            MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
          0.50  
ME W187       760            MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*  
\*\*\* SETUP Finishes Successfully \*\*\*  
\*\*\*\*\*

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Drive\3700 Riverside Drive.isc \*\*\* 08/03/20  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* MODEL SETUP OPTIONS SUMMARY

\*\*\*

-----  
\*\*Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses URBAN Dispersion Algorithm for the SBL for 312 Source(s),  
for Total of 1 Urban Area(s):

Urban Population = 105861.0 ; Urban Roughness Length = 1.000 m

\*\*Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

\*\*Other Options Specified:

ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET

CCVR\_Sub - Meteorological data includes CCVR substitutions

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Accepts FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: PM\_10

\*\*Model Calculates 1 Short Term Average(s) of: 1-HR  
and Calculates PERIOD Averages

\*\*This Run Includes: 312 Source(s); 1 Source Group(s); and 655  
Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 312 VOLUME source(s)

and: 0 AREA type source(s)  
and: 0 LINE source(s)  
and: 0 RLINE/RLINEXT source(s)  
and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with 0 line(s)

\*\*Model Set To Continue RUNNING After the Setup Testing.

\*\*The AERMET Input Meteorological Data Version Date: 16216

\*\*Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE  
Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE  
Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE  
Keyword)

\*\*NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours  
m for Missing  
Hours  
b for Both Calm  
and Missing Hours

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 236.00 ; Decay  
Coef. = 0.000 ; Rot. Angle = 0.0  
Emission Units = GRAMS/SEC ;  
Emission Rate Unit Factor = 0.10000E+07  
Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 3.7 MB of RAM.

\*\*Input Runstream File: aermod.inp

\*\*Output Print File: aermod.out

\*\*Detailed Error/Message File: 3700 Riverside Drive.err

\*\*File for Summary of Results: 3700 Riverside Drive.sum

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE	(GRAMS/SEC)	X	Y	SY
SZ	SCALAR VARY	CATS.	(METERS)	(METERS)	(METERS)
ID	BY		(METERS)	(METERS)	(METERS)
(METERS)					
L0004098	0	0.54890E-05	375437.8	3779967.3	6.24
2.13 YES					
L0004099	0	0.54890E-05	375451.0	3779969.8	6.24
2.13 YES					
L0004100	0	0.54890E-05	375464.1	3779972.4	6.24
2.13 YES					
L0004101	0	0.54890E-05	375477.3	3779974.9	6.24
2.13 YES					
L0004102	0	0.54890E-05	375490.5	3779977.5	6.24
2.13 YES					
L0004103	0	0.54890E-05	375503.6	3779980.0	6.24
2.13 YES					
L0004104	0	0.54890E-05	375516.8	3779982.6	6.24
2.13 YES					
L0004105	0	0.54890E-05	375530.0	3779985.1	6.24
2.13 YES					
L0004106	0	0.54890E-05	375543.1	3779987.7	6.24
2.13 YES					
L0004107	0	0.54890E-05	375556.3	3779990.2	6.24
2.13 YES					
L0004108	0	0.54890E-05	375569.5	3779992.8	6.24
2.13 YES					
L0004109	0	0.54890E-05	375582.6	3779995.3	6.24
2.13 YES					
L0004110	0	0.54890E-05	375595.8	3779997.8	6.24
2.13 YES					
L0004111	0	0.54890E-05	375609.0	3780000.4	6.24
2.13 YES					
L0004112	0	0.54890E-05	375622.1	3780002.9	6.24
2.13 YES					
L0004113	0	0.54890E-05	375635.3	3780005.5	6.24
2.13 YES					
L0004114	0	0.54890E-05	375648.5	3780008.0	6.24
2.13 YES					
L0004115	0	0.54890E-05	375661.6	3780010.6	6.24
2.13 YES					
L0004116	0	0.54890E-05	375674.8	3780013.1	6.24

2.13	YES							
L0004117		0	0.54890E-05	375688.0	3780015.7	170.0	2.29	6.24
2.13	YES							
L0004118		0	0.54890E-05	375701.1	3780018.1	169.5	2.29	6.24
2.13	YES							
L0004119		0	0.54890E-05	375714.3	3780020.5	169.1	2.29	6.24
2.13	YES							
L0004120		0	0.54890E-05	375727.5	3780022.9	168.7	2.29	6.24
2.13	YES							
L0004121		0	0.54890E-05	375740.7	3780025.3	168.3	2.29	6.24
2.13	YES							
L0004122		0	0.54890E-05	375753.9	3780027.6	167.9	2.29	6.24
2.13	YES							
L0004123		0	0.54890E-05	375767.1	3780030.0	167.5	2.29	6.24
2.13	YES							
L0004124		0	0.54890E-05	375780.3	3780032.4	167.1	2.29	6.24
2.13	YES							
L0004125		0	0.54890E-05	375793.6	3780034.2	166.7	2.29	6.24
2.13	YES							
L0004126		0	0.54890E-05	375807.0	3780035.6	166.2	2.29	6.24
2.13	YES							
L0004127		0	0.54890E-05	375820.3	3780037.0	165.8	2.29	6.24
2.13	YES							
L0004128		0	0.54890E-05	375833.6	3780038.3	165.4	2.29	6.24
2.13	YES							
L0004129		0	0.54890E-05	375847.0	3780039.7	165.0	2.29	6.24
2.13	YES							
L0004130		0	0.54890E-05	375860.3	3780041.1	164.6	2.29	6.24
2.13	YES							
L0004131		0	0.54890E-05	375873.7	3780042.4	164.2	2.29	6.24
2.13	YES							
L0004132		0	0.54890E-05	375887.0	3780043.2	163.8	2.29	6.24
2.13	YES							
L0004133		0	0.54890E-05	375900.4	3780044.0	163.4	2.29	6.24
2.13	YES							
L0004134		0	0.54890E-05	375913.8	3780044.8	163.0	2.29	6.24
2.13	YES							
L0004135		0	0.54890E-05	375927.2	3780045.6	162.6	2.29	6.24
2.13	YES							
L0004136		0	0.54890E-05	375940.6	3780046.3	162.2	2.29	6.24
2.13	YES							
L0004137		0	0.54890E-05	375954.0	3780047.1	161.9	2.29	6.24

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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION RATE		BASE	RELEASE	INIT.	
SOURCE		EMISSION	RATE		ELEV.	HEIGHT	SY	
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	
ID		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	
L0004138		0	0.54890E-05	375967.4	3780047.9	161.5	2.29	6.24
2.13	YES							
L0004139		0	0.54890E-05	375980.8	3780048.4	161.2	2.29	6.24
2.13	YES							
L0004140		0	0.54890E-05	375994.2	3780048.2	161.0	2.29	6.24
2.13	YES							
L0004141		0	0.54890E-05	376007.6	3780048.0	160.8	2.29	6.24
2.13	YES							
L0004142		0	0.54890E-05	376021.0	3780047.8	160.6	2.29	6.24
2.13	YES							
L0004143		0	0.54890E-05	376034.4	3780047.5	160.4	2.29	6.24
2.13	YES							
L0004144		0	0.54890E-05	376047.8	3780047.3	160.3	2.29	6.24
2.13	YES							
L0004145		0	0.54890E-05	376061.2	3780047.1	160.3	2.29	6.24
2.13	YES							
L0004146		0	0.54890E-05	376074.6	3780046.9	160.2	2.29	6.24
2.13	YES							
L0004147		0	0.54890E-05	376088.0	3780046.1	160.1	2.29	6.24
2.13	YES							
L0004148		0	0.54890E-05	376101.4	3780045.2	160.1	2.29	6.24
2.13	YES							
L0004149		0	0.54890E-05	376114.8	3780044.3	160.0	2.29	6.24
2.13	YES							
L0004150		0	0.54890E-05	376128.2	3780043.4	159.9	2.29	6.24
2.13	YES							
L0004151		0	0.54890E-05	376141.6	3780042.5	159.9	2.29	6.24
2.13	YES							
L0004152		0	0.54890E-05	376154.9	3780041.6	159.8	2.29	6.24
2.13	YES							
L0004153		0	0.54890E-05	376168.3	3780040.5	159.8	2.29	6.24
2.13	YES							
L0004154		0	0.54890E-05	376181.5	3780038.5	159.7	2.29	6.24
2.13	YES							
L0004155		0	0.54890E-05	376194.8	3780036.4	159.6	2.29	6.24
2.13	YES							
L0004156		0	0.54890E-05	376208.1	3780034.4	159.5	2.29	6.24

2.13	YES							
L0004157		0	0.54890E-05	376221.3	3780032.3	159.5	2.29	6.24
2.13	YES							
L0004158		0	0.54890E-05	376234.6	3780030.2	159.4	2.29	6.24
2.13	YES							
L0004159		0	0.54890E-05	376247.8	3780028.2	159.4	2.29	6.24
2.13	YES							
L0004160		0	0.54890E-05	376261.1	3780026.1	159.3	2.29	6.24
2.13	YES							
L0004161		0	0.54890E-05	376274.3	3780023.9	159.3	2.29	6.24
2.13	YES							
L0004162		0	0.54890E-05	376287.5	3780021.8	159.2	2.29	6.24
2.13	YES							
L0004163		0	0.54890E-05	376300.8	3780019.6	159.2	2.29	6.24
2.13	YES							
L0004164		0	0.54890E-05	376314.0	3780017.5	159.2	2.29	6.24
2.13	YES							
L0004165		0	0.54890E-05	376327.2	3780015.3	159.1	2.29	6.24
2.13	YES							
L0004166		0	0.54890E-05	376340.5	3780013.2	159.0	2.29	6.24
2.13	YES							
L0004167		0	0.54890E-05	376353.7	3780011.0	159.0	2.29	6.24
2.13	YES							
L0004168		0	0.54890E-05	376366.9	3780008.8	158.9	2.29	6.24
2.13	YES							
L0004169		0	0.54890E-05	376380.2	3780006.5	158.9	2.29	6.24
2.13	YES							
L0004170		0	0.54890E-05	376393.4	3780004.2	158.8	2.29	6.24
2.13	YES							
L0004171		0	0.54890E-05	376406.6	3780002.0	158.7	2.29	6.24
2.13	YES							
L0004172		0	0.54890E-05	376419.8	3779999.7	158.7	2.29	6.24
2.13	YES							
L0004173		0	0.54890E-05	376433.0	3779997.4	158.7	2.29	6.24
2.13	YES							
L0004174		0	0.54890E-05	376446.2	3779995.1	158.8	2.29	6.24
2.13	YES							
L0004175		0	0.54890E-05	376459.4	3779992.8	158.9	2.29	6.24
2.13	YES							
L0004176		0	0.54890E-05	376472.7	3779990.5	159.0	2.29	6.24
2.13	YES							
L0004177		0	0.54890E-05	376485.9	3779988.2	159.1	2.29	6.24
2.13	YES							

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*** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\3700 Riverside
Drive\3700 Riverside Drive.isc *** 08/03/20
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*** MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ_U*

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\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE	BASE	RELEASE	INIT.
SOURCE	SOURCE	EMISSION	RATE	(GRAMS/SEC)	X	Y	SY
SZ	SCALAR	VARY	CATS.	(METERS)	(METERS)	(METERS)	(METERS)
ID	BY						
(METERS)							
L0004178	0	0.54890E-05	376499.1	3779985.9	159.1	2.29	6.24
2.13	YES						
L0004179	0	0.54890E-05	376512.3	3779983.6	159.2	2.29	6.24
2.13	YES						
L0004180	0	0.54890E-05	376525.5	3779981.2	159.2	2.29	6.24
2.13	YES						
L0004181	0	0.54890E-05	376538.7	3779978.9	159.3	2.29	6.24
2.13	YES						
L0004182	0	0.54890E-05	376551.9	3779976.5	159.3	2.29	6.24
2.13	YES						
L0004183	0	0.54890E-05	376565.1	3779974.2	159.4	2.29	6.24
2.13	YES						
L0004184	0	0.54890E-05	376578.3	3779971.8	159.4	2.29	6.24
2.13	YES						
L0004185	0	0.54890E-05	376591.4	3779969.0	159.3	2.29	6.24
2.13	YES						
L0004186	0	0.54890E-05	376604.5	3779966.1	159.2	2.29	6.24
2.13	YES						
L0004187	0	0.54890E-05	376617.6	3779963.2	159.2	2.29	6.24
2.13	YES						
L0004188	0	0.54890E-05	376630.7	3779960.3	159.1	2.29	6.24
2.13	YES						
L0004189	0	0.54890E-05	376643.8	3779957.2	159.0	2.29	6.24
2.13	YES						
L0004190	0	0.54890E-05	376656.6	3779953.4	158.9	2.29	6.24
2.13	YES						
L0004191	0	0.54890E-05	376669.4	3779949.5	158.8	2.29	6.24
2.13	YES						
L0004192	0	0.54890E-05	376682.3	3779945.7	158.7	2.29	6.24
2.13	YES						
L0004193	0	0.54890E-05	376695.1	3779941.8	158.7	2.29	6.24
2.13	YES						
L0004194	0	0.54890E-05	376708.0	3779937.9	158.7	2.29	6.24
2.13	YES						
L0004195	0	0.54890E-05	376720.8	3779934.1	158.7	2.29	6.24
2.13	YES						
L0004196	0	0.54890E-05	376733.7	3779930.2	158.8	2.29	6.24

2.13	YES							
L0004197		0	0.54890E-05	376746.5	3779926.4	158.9	2.29	6.24
2.13	YES							
L0004198		0	0.54890E-05	376759.3	3779922.5	158.9	2.29	6.24
2.13	YES							
L0004199		0	0.54890E-05	376772.2	3779918.6	159.0	2.29	6.24
2.13	YES							
L0004200		0	0.54890E-05	376785.0	3779914.6	159.0	2.29	6.24
2.13	YES							
L0004201		0	0.54890E-05	376797.8	3779910.6	159.0	2.29	6.24
2.13	YES							
L0004202		0	0.54890E-05	376810.6	3779906.6	159.0	2.29	6.24
2.13	YES							
L0004203		0	0.54890E-05	376823.4	3779902.6	159.0	2.29	6.24
2.13	YES							
L0004204		0	0.54890E-05	376836.2	3779898.6	158.9	2.29	6.24
2.13	YES							
L0004205		0	0.54890E-05	376849.0	3779894.6	158.8	2.29	6.24
2.13	YES							
L0004206		0	0.54890E-05	376861.8	3779890.6	158.8	2.29	6.24
2.13	YES							
L0004207		0	0.54890E-05	376874.6	3779886.6	158.7	2.29	6.24
2.13	YES							
L0004208		0	0.54890E-05	376887.4	3779882.6	158.7	2.29	6.24
2.13	YES							
L0004209		0	0.54890E-05	376900.2	3779878.6	158.8	2.29	6.24
2.13	YES							
L0004210		0	0.54890E-05	376913.0	3779874.7	158.9	2.29	6.24
2.13	YES							
L0004211		0	0.54890E-05	376926.0	3779871.3	159.0	2.29	6.24
2.13	YES							
L0004212		0	0.54890E-05	376938.9	3779867.8	159.2	2.29	6.24
2.13	YES							
L0004213		0	0.54890E-05	376951.9	3779864.5	159.4	2.29	6.24
2.13	YES							
L0004214		0	0.54890E-05	376965.1	3779862.0	159.6	2.29	6.24
2.13	YES							
L0004215		0	0.54890E-05	376978.3	3779859.5	159.7	2.29	6.24
2.13	YES							
L0004216		0	0.54890E-05	376991.5	3779857.0	159.9	2.29	6.24
2.13	YES							
L0004217		0	0.54890E-05	377004.6	3779854.6	160.1	2.29	6.24

2.13 YES  
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 Drive\3700 Riverside Drive.isc \*\*\* 08/03/20  
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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE	BASE	RELEASE	INIT.
SOURCE	SOURCE	EMISSION	RATE	(GRAMS/SEC)	X	Y	SY
SZ	SOURCE	SCALAR	VARY		ELEV.	HEIGHT	
ID	CATS.		BY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)							
L0004218		0	0.54890E-05	377017.9	3779852.5	160.3	6.24
2.13	YES						
L0004219		0	0.54890E-05	377031.2	3779850.5	160.5	6.24
2.13	YES						
L0004220		0	0.54890E-05	377044.4	3779848.7	160.7	6.24
2.13	YES						
L0004221		0	0.54890E-05	377057.8	3779848.7	160.8	6.24
2.13	YES						
L0004222		0	0.54890E-05	377071.2	3779848.7	161.0	6.24
2.13	YES						
L0004223		0	0.54890E-05	377084.7	3779848.7	161.1	6.24
2.13	YES						
L0004224		0	0.54890E-05	377098.1	3779848.7	161.3	6.24
2.13	YES						
L0004225		0	0.54890E-05	377111.5	3779848.9	161.5	6.24
2.13	YES						
L0004226		0	0.54890E-05	377124.8	3779850.0	161.6	6.24
2.13	YES						
L0004227		0	0.54890E-05	377138.2	3779851.1	161.8	6.24
2.13	YES						
L0004228		0	0.54890E-05	377151.6	3779852.3	162.0	6.24
2.13	YES						
L0004229		0	0.54890E-05	377164.9	3779853.4	162.1	6.24
2.13	YES						
L0004230		0	0.54890E-05	377178.3	3779854.5	162.3	6.24
2.13	YES						
L0004231		0	0.54890E-05	377191.7	3779855.7	162.5	6.24
2.13	YES						
L0004232		0	0.54890E-05	377204.9	3779857.7	162.7	6.24
2.13	YES						
L0004233		0	0.54890E-05	377218.0	3779860.4	162.8	6.24
2.13	YES						
L0004234		0	0.54890E-05	377231.2	3779863.0	162.9	6.24
2.13	YES						
L0004235		0	0.54890E-05	377244.3	3779865.7	163.0	6.24
2.13	YES						
L0004236		0	0.54890E-05	377257.4	3779868.4	163.2	6.24

2.13	YES							
L0004237		0	0.54890E-05	377270.6	3779871.1	163.3	2.29	6.24
2.13	YES							
L0004238		0	0.54890E-05	377283.7	3779874.1	163.4	2.29	6.24
2.13	YES							
L0004239		0	0.54890E-05	377296.7	3779877.1	163.5	2.29	6.24
2.13	YES							
L0004240		0	0.54890E-05	377309.8	3779880.1	163.5	2.29	6.24
2.13	YES							
L0004241		0	0.54890E-05	377322.9	3779883.2	163.5	2.29	6.24
2.13	YES							
L0004242		0	0.54890E-05	377335.9	3779886.2	163.5	2.29	6.24
2.13	YES							
L0004243		0	0.54890E-05	377349.0	3779889.2	162.0	2.29	6.24
2.13	YES							
L0004244		0	0.54890E-05	377362.0	3779892.3	158.0	2.29	6.24
2.13	YES							
L0004245		0	0.54890E-05	377375.1	3779895.3	158.1	2.29	6.24
2.13	YES							
L0004246		0	0.54890E-05	377388.2	3779898.3	162.8	2.29	6.24
2.13	YES							
L0004247		0	0.54890E-05	377401.3	3779901.3	163.5	2.29	6.24
2.13	YES							
L0004248		0	0.54890E-05	377414.3	3779904.3	163.4	2.29	6.24
2.13	YES							
L0004249		0	0.54890E-05	377427.4	3779907.3	163.4	2.29	6.24
2.13	YES							
L0004250		0	0.54890E-05	377440.5	3779910.3	163.4	2.29	6.24
2.13	YES							
L0004251		0	0.54890E-05	377453.5	3779913.3	163.4	2.29	6.24
2.13	YES							
L0004252		0	0.54890E-05	377466.6	3779916.3	163.3	2.29	6.24
2.13	YES							
L0004253		0	0.54890E-05	377479.7	3779919.3	163.3	2.29	6.24
2.13	YES							
L0003942		0	0.54930E-05	375439.1	3779987.2	177.2	2.29	6.24
2.13	YES							
L0003943		0	0.54930E-05	375452.3	3779989.7	176.8	2.29	6.24
2.13	YES							
L0003944		0	0.54930E-05	375465.4	3779992.2	176.4	2.29	6.24
2.13	YES							
L0003945		0	0.54930E-05	375478.6	3779994.7	176.0	2.29	6.24
2.13	YES							

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 Drive\3700 Riverside Drive.isc      \*\*\*      08/03/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
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\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SCALAR	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID	CATS.	VARY		(METERS)	(METERS)			
(METERS)	BY							
L0003946	0	0.54930E-05	375491.8	3779997.2	175.6	2.29	6.24	
2.13 YES								
L0003947	0	0.54930E-05	375505.0	3779999.7	175.3	2.29	6.24	
2.13 YES								
L0003948	0	0.54930E-05	375518.1	3780002.2	174.9	2.29	6.24	
2.13 YES								
L0003949	0	0.54930E-05	375531.3	3780004.7	174.6	2.29	6.24	
2.13 YES								
L0003950	0	0.54930E-05	375544.5	3780007.2	174.2	2.29	6.24	
2.13 YES								
L0003951	0	0.54930E-05	375557.7	3780009.7	173.8	2.29	6.24	
2.13 YES								
L0003952	0	0.54930E-05	375570.8	3780012.2	173.5	2.29	6.24	
2.13 YES								
L0003953	0	0.54930E-05	375584.0	3780014.7	173.1	2.29	6.24	
2.13 YES								
L0003954	0	0.54930E-05	375597.2	3780017.2	172.7	2.29	6.24	
2.13 YES								
L0003955	0	0.54930E-05	375610.4	3780019.7	172.3	2.29	6.24	
2.13 YES								
L0003956	0	0.54930E-05	375623.5	3780022.2	171.9	2.29	6.24	
2.13 YES								
L0003957	0	0.54930E-05	375636.7	3780024.7	171.5	2.29	6.24	
2.13 YES								
L0003958	0	0.54930E-05	375649.9	3780027.2	171.1	2.29	6.24	
2.13 YES								
L0003959	0	0.54930E-05	375663.1	3780029.7	170.8	2.29	6.24	
2.13 YES								
L0003960	0	0.54930E-05	375676.2	3780032.3	170.4	2.29	6.24	
2.13 YES								
L0003961	0	0.54930E-05	375689.4	3780034.8	170.1	2.29	6.24	
2.13 YES								
L0003962	0	0.54930E-05	375702.6	3780037.4	169.7	2.29	6.24	
2.13 YES								
L0003963	0	0.54930E-05	375715.7	3780039.9	169.3	2.29	6.24	
2.13 YES								
L0003964	0	0.54930E-05	375728.9	3780042.5	168.9	2.29	6.24	

2.13	YES							
L0003965		0	0.54930E-05	375742.1	3780045.0	168.5	2.29	6.24
2.13	YES							
L0003966		0	0.54930E-05	375755.2	3780047.6	168.2	2.29	6.24
2.13	YES							
L0003967		0	0.54930E-05	375768.4	3780050.1	167.8	2.29	6.24
2.13	YES							
L0003968		0	0.54930E-05	375781.6	3780052.4	167.4	2.29	6.24
2.13	YES							
L0003969		0	0.54930E-05	375794.9	3780054.1	167.0	2.29	6.24
2.13	YES							
L0003970		0	0.54930E-05	375808.2	3780055.7	166.6	2.29	6.24
2.13	YES							
L0003971		0	0.54930E-05	375821.5	3780057.4	166.2	2.29	6.24
2.13	YES							
L0003972		0	0.54930E-05	375834.8	3780059.0	165.8	2.29	6.24
2.13	YES							
L0003973		0	0.54930E-05	375848.2	3780060.4	165.4	2.29	6.24
2.13	YES							
L0003974		0	0.54930E-05	375861.5	3780061.7	165.0	2.29	6.24
2.13	YES							
L0003975		0	0.54930E-05	375874.9	3780063.0	164.6	2.29	6.24
2.13	YES							
L0003976		0	0.54930E-05	375888.2	3780064.2	164.2	2.29	6.24
2.13	YES							
L0003977		0	0.54930E-05	375901.6	3780065.5	163.8	2.29	6.24
2.13	YES							
L0003978		0	0.54930E-05	375914.9	3780066.7	163.4	2.29	6.24
2.13	YES							
L0003979		0	0.54930E-05	375928.3	3780067.3	163.0	2.29	6.24
2.13	YES							
L0003980		0	0.54930E-05	375941.7	3780067.3	162.6	2.29	6.24
2.13	YES							
L0003981		0	0.54930E-05	375955.1	3780067.3	162.2	2.29	6.24
2.13	YES							
L0003982		0	0.54930E-05	375968.6	3780067.3	161.9	2.29	6.24
2.13	YES							
L0003983		0	0.54930E-05	375982.0	3780067.3	161.6	2.29	6.24
2.13	YES							
L0003984		0	0.54930E-05	375995.4	3780067.3	161.4	2.29	6.24
2.13	YES							
L0003985		0	0.54930E-05	376008.8	3780067.3	161.2	2.29	6.24

2.13 YES  
 \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* C:\Lakes\AERMOD View\3700 Riverside  
 Drive\3700 Riverside Drive.isc \*\*\* 08/03/20  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 17:22:02

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SOURCE		EMISSION	RATE	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.	BY						
(METERS)									
L0003986		0	0.54930E-05	376022.2	3780067.2	161.0	2.29	6.24	
2.13	YES								
L0003987		0	0.54930E-05	376035.6	3780066.8	160.9	2.29	6.24	
2.13	YES								
L0003988		0	0.54930E-05	376049.0	3780066.4	160.8	2.29	6.24	
2.13	YES								
L0003989		0	0.54930E-05	376062.4	3780066.1	160.7	2.29	6.24	
2.13	YES								
L0003990		0	0.54930E-05	376075.8	3780065.7	160.6	2.29	6.24	
2.13	YES								
L0003991		0	0.54930E-05	376089.2	3780065.3	160.6	2.29	6.24	
2.13	YES								
L0003992		0	0.54930E-05	376102.6	3780064.5	160.5	2.29	6.24	
2.13	YES								
L0003993		0	0.54930E-05	376116.0	3780063.3	160.4	2.29	6.24	
2.13	YES								
L0003994		0	0.54930E-05	376129.3	3780062.2	160.4	2.29	6.24	
2.13	YES								
L0003995		0	0.54930E-05	376142.7	3780061.0	160.3	2.29	6.24	
2.13	YES								
L0003996		0	0.54930E-05	376156.1	3780059.9	160.2	2.29	6.24	
2.13	YES								
L0003997		0	0.54930E-05	376169.4	3780058.7	160.2	2.29	6.24	
2.13	YES								
L0003998		0	0.54930E-05	376182.8	3780057.6	160.1	2.29	6.24	
2.13	YES								
L0003999		0	0.54930E-05	376196.1	3780055.8	160.1	2.29	6.24	
2.13	YES								
L0004000		0	0.54930E-05	376209.3	3780053.9	160.0	2.29	6.24	
2.13	YES								
L0004001		0	0.54930E-05	376222.6	3780052.0	159.9	2.29	6.24	
2.13	YES								
L0004002		0	0.54930E-05	376235.9	3780050.1	159.9	2.29	6.24	
2.13	YES								
L0004003		0	0.54930E-05	376249.2	3780048.2	159.8	2.29	6.24	
2.13	YES								
L0004004		0	0.54930E-05	376262.5	3780046.3	159.7	2.29	6.24	

2.13	YES							
L0004005		0	0.54930E-05	376275.7	3780044.4	159.6	2.29	6.24
2.13	YES							
L0004006		0	0.54930E-05	376289.0	3780042.5	159.5	2.29	6.24
2.13	YES							
L0004007		0	0.54930E-05	376302.2	3780040.4	159.4	2.29	6.24
2.13	YES							
L0004008		0	0.54930E-05	376315.5	3780038.1	159.3	2.29	6.24
2.13	YES							
L0004009		0	0.54930E-05	376328.7	3780035.8	159.2	2.29	6.24
2.13	YES							
L0004010		0	0.54930E-05	376341.9	3780033.5	159.1	2.29	6.24
2.13	YES							
L0004011		0	0.54930E-05	376355.1	3780031.3	159.0	2.29	6.24
2.13	YES							
L0004012		0	0.54930E-05	376368.3	3780029.0	158.9	2.29	6.24
2.13	YES							
L0004013		0	0.54930E-05	376381.5	3780026.7	158.9	2.29	6.24
2.13	YES							
L0004014		0	0.54930E-05	376394.8	3780024.4	158.8	2.29	6.24
2.13	YES							
L0004015		0	0.54930E-05	376408.0	3780022.1	158.7	2.29	6.24
2.13	YES							
L0004016		0	0.54930E-05	376421.2	3780019.8	158.7	2.29	6.24
2.13	YES							
L0004017		0	0.54930E-05	376434.4	3780017.6	158.7	2.29	6.24
2.13	YES							
L0004018		0	0.54930E-05	376447.6	3780015.2	158.8	2.29	6.24
2.13	YES							
L0004019		0	0.54930E-05	376460.8	3780012.7	158.9	2.29	6.24
2.13	YES							
L0004020		0	0.54930E-05	376474.0	3780010.3	159.0	2.29	6.24
2.13	YES							
L0004021		0	0.54930E-05	376487.2	3780007.8	159.1	2.29	6.24
2.13	YES							
L0004022		0	0.54930E-05	376500.3	3780005.4	159.2	2.29	6.24
2.13	YES							
L0004023		0	0.54930E-05	376513.5	3780002.9	159.3	2.29	6.24
2.13	YES							
L0004024		0	0.54930E-05	376526.7	3780000.5	159.5	2.29	6.24
2.13	YES							
L0004025		0	0.54930E-05	376539.9	3779998.0	159.6	2.29	6.24

2.13 YES  
 ▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* C:\Lakes\AERMOD View\3700 Riverside  
 Drive\3700 Riverside Drive.isc \*\*\* 08/03/20  
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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SOURCE		EMISSION	RATE	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.	BY						
(METERS)									
L0004026		0	0.54930E-05	376553.1	3779995.6	159.7	2.29	6.24	
2.13	YES								
L0004027		0	0.54930E-05	376566.3	3779993.1	159.8	2.29	6.24	
2.13	YES								
L0004028		0	0.54930E-05	376579.5	3779990.7	159.8	2.29	6.24	
2.13	YES								
L0004029		0	0.54930E-05	376592.6	3779988.2	159.8	2.29	6.24	
2.13	YES								
L0004030		0	0.54930E-05	376605.8	3779985.8	159.7	2.29	6.24	
2.13	YES								
L0004031		0	0.54930E-05	376618.9	3779982.9	159.6	2.29	6.24	
2.13	YES								
L0004032		0	0.54930E-05	376631.9	3779979.4	159.5	2.29	6.24	
2.13	YES								
L0004033		0	0.54930E-05	376644.8	3779976.0	159.4	2.29	6.24	
2.13	YES								
L0004034		0	0.54930E-05	376657.8	3779972.5	159.3	2.29	6.24	
2.13	YES								
L0004035		0	0.54930E-05	376670.7	3779969.0	159.2	2.29	6.24	
2.13	YES								
L0004036		0	0.54930E-05	376683.6	3779965.4	159.1	2.29	6.24	
2.13	YES								
L0004037		0	0.54930E-05	376696.5	3779961.6	159.1	2.29	6.24	
2.13	YES								
L0004038		0	0.54930E-05	376709.4	3779957.9	159.1	2.29	6.24	
2.13	YES								
L0004039		0	0.54930E-05	376722.3	3779954.2	159.1	2.29	6.24	
2.13	YES								
L0004040		0	0.54930E-05	376735.1	3779950.4	159.1	2.29	6.24	
2.13	YES								
L0004041		0	0.54930E-05	376748.0	3779946.6	159.1	2.29	6.24	
2.13	YES								
L0004042		0	0.54930E-05	376760.8	3779942.7	159.1	2.29	6.24	
2.13	YES								
L0004043		0	0.54930E-05	376773.6	3779938.7	159.1	2.29	6.24	
2.13	YES								
L0004044		0	0.54930E-05	376786.4	3779934.6	159.0	2.29	6.24	

2.13	YES							
L0004045		0	0.54930E-05	376799.2	3779930.6	159.0	2.29	6.24
2.13	YES							
L0004046		0	0.54930E-05	376812.0	3779926.6	159.0	2.29	6.24
2.13	YES							
L0004047		0	0.54930E-05	376824.8	3779922.5	158.9	2.29	6.24
2.13	YES							
L0004048		0	0.54930E-05	376837.6	3779918.5	158.8	2.29	6.24
2.13	YES							
L0004049		0	0.54930E-05	376850.4	3779914.4	158.7	2.29	6.24
2.13	YES							
L0004050		0	0.54930E-05	376863.1	3779910.4	158.5	2.29	6.24
2.13	YES							
L0004051		0	0.54930E-05	376875.9	3779906.4	158.4	2.29	6.24
2.13	YES							
L0004052		0	0.54930E-05	376888.7	3779902.4	158.2	2.29	6.24
2.13	YES							
L0004053		0	0.54930E-05	376901.5	3779898.4	158.1	2.29	6.24
2.13	YES							
L0004054		0	0.54930E-05	376914.3	3779894.4	158.1	2.29	6.24
2.13	YES							
L0004055		0	0.54930E-05	376927.3	3779890.9	158.1	2.29	6.24
2.13	YES							
L0004056		0	0.54930E-05	376940.3	3779887.6	158.2	2.29	6.24
2.13	YES							
L0004057		0	0.54930E-05	376953.3	3779884.3	158.3	2.29	6.24
2.13	YES							
L0004058		0	0.54930E-05	376966.3	3779881.0	158.5	2.29	6.24
2.13	YES							
L0004059		0	0.54930E-05	376979.3	3779877.7	158.7	2.29	6.24
2.13	YES							
L0004060		0	0.54930E-05	376992.4	3779875.2	158.9	2.29	6.24
2.13	YES							
L0004061		0	0.54930E-05	377005.8	3779873.8	159.0	2.29	6.24
2.13	YES							
L0004062		0	0.54930E-05	377019.1	3779872.4	159.2	2.29	6.24
2.13	YES							
L0004063		0	0.54930E-05	377032.5	3779871.0	159.4	2.29	6.24
2.13	YES							
L0004064		0	0.54930E-05	377045.8	3779869.6	159.6	2.29	6.24
2.13	YES							
L0004065		0	0.54930E-05	377059.1	3779868.2	159.8	2.29	6.24
2.13	YES							

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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SOURCE		EMISSION	RATE	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.	BY						
(METERS)									
L0004066		0	0.54930E-05	377072.5	3779866.9	160.0	2.29	6.24	
2.13	YES								
L0004067		0	0.54930E-05	377085.9	3779866.6	160.2	2.29	6.24	
2.13	YES								
L0004068		0	0.54930E-05	377099.3	3779866.3	160.4	2.29	6.24	
2.13	YES								
L0004069		0	0.54930E-05	377112.7	3779866.0	160.6	2.29	6.24	
2.13	YES								
L0004070		0	0.54930E-05	377126.1	3779866.6	160.8	2.29	6.24	
2.13	YES								
L0004071		0	0.54930E-05	377139.4	3779868.0	160.9	2.29	6.24	
2.13	YES								
L0004072		0	0.54930E-05	377152.7	3779869.4	161.1	2.29	6.24	
2.13	YES								
L0004073		0	0.54930E-05	377166.1	3779870.9	161.2	2.29	6.24	
2.13	YES								
L0004074		0	0.54930E-05	377179.4	3779872.3	161.4	2.29	6.24	
2.13	YES								
L0004075		0	0.54930E-05	377192.7	3779873.9	161.6	2.29	6.24	
2.13	YES								
L0004076		0	0.54930E-05	377205.8	3779876.8	161.8	2.29	6.24	
2.13	YES								
L0004077		0	0.54930E-05	377218.9	3779879.8	162.0	2.29	6.24	
2.13	YES								
L0004078		0	0.54930E-05	377232.0	3779882.8	162.2	2.29	6.24	
2.13	YES								
L0004079		0	0.54930E-05	377245.0	3779885.7	162.5	2.29	6.24	
2.13	YES								
L0004080		0	0.54930E-05	377258.1	3779888.7	162.7	2.29	6.24	
2.13	YES								
L0004081		0	0.54930E-05	377271.2	3779891.6	163.0	2.29	6.24	
2.13	YES								
L0004082		0	0.54930E-05	377284.3	3779894.6	163.1	2.29	6.24	
2.13	YES								
L0004083		0	0.54930E-05	377297.3	3779897.7	163.3	2.29	6.24	
2.13	YES								
L0004084		0	0.54930E-05	377310.2	3779901.5	163.4	2.29	6.24	

2.13	YES							
L0004085		0	0.54930E-05	377323.1	3779905.3	163.5	2.29	6.24
2.13	YES							
L0004086		0	0.54930E-05	377335.9	3779909.1	163.0	2.29	6.24
2.13	YES							
L0004087		0	0.54930E-05	377348.8	3779912.8	159.4	2.29	6.24
2.13	YES							
L0004088		0	0.54930E-05	377361.7	3779916.6	157.5	2.29	6.24
2.13	YES							
L0004089		0	0.54930E-05	377374.5	3779920.4	160.5	2.29	6.24
2.13	YES							
L0004090		0	0.54930E-05	377387.4	3779924.2	163.4	2.29	6.24
2.13	YES							
L0004091		0	0.54930E-05	377400.3	3779928.0	163.4	2.29	6.24
2.13	YES							
L0004092		0	0.54930E-05	377413.1	3779931.8	163.4	2.29	6.24
2.13	YES							
L0004093		0	0.54930E-05	377426.0	3779935.5	163.4	2.29	6.24
2.13	YES							
L0004094		0	0.54930E-05	377438.8	3779939.3	163.3	2.29	6.24
2.13	YES							
L0004095		0	0.54930E-05	377451.7	3779943.1	163.3	2.29	6.24
2.13	YES							
L0004096		0	0.54930E-05	377464.6	3779946.9	163.2	2.29	6.24
2.13	YES							
L0004097		0	0.54930E-05	377477.4	3779950.7	163.2	2.29	6.24

```

2.13      YES
^ *** AERMOD - VERSION 19191 ***      *** C:\Lakes\AERMOD View\3700 Riverside
Drive\3700 Riverside Drive.isc      ***      08/03/20
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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

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SRCGROUP ID	SOURCE IDs
-----	-----
ALL	L0004098 , L0004099 , L0004100 , L0004101 , L0004102 ,
L0004103	, L0004104 , L0004105 ,
L0004111	L0004106 , L0004107 , L0004108 , L0004109 , L0004110 ,
	, L0004112 , L0004113 ,
	L0004114 , L0004115 , L0004116 , L0004117 , L0004118 ,

L0004119 , L0004120 , L0004121 ,  
L0004127 , L0004122 , L0004123 , L0004124 , L0004125 , L0004126 ,  
L0004135 , L0004128 , L0004129 , L0004130 , L0004131 , L0004132 , L0004133 , L0004134 ,  
L0004143 , L0004136 , L0004137 , L0004138 , L0004139 , L0004140 , L0004141 , L0004142 ,  
L0004151 , L0004144 , L0004145 , L0004146 , L0004147 , L0004148 , L0004149 , L0004150 ,  
L0004159 , L0004152 , L0004153 , L0004154 , L0004155 , L0004156 , L0004157 , L0004158 ,  
L0004167 , L0004160 , L0004161 , L0004162 , L0004163 , L0004164 , L0004165 , L0004166 ,  
L0004175 , L0004168 , L0004169 , L0004170 , L0004171 , L0004172 , L0004173 , L0004174 ,  
L0004183 , L0004176 , L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 ,  
L0004191 , L0004184 , L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 ,  
L0004199 , L0004192 , L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 ,  
L0004207 , L0004200 , L0004201 , L0004202 , L0004203 , L0004204 , L0004205 , L0004206 ,  
L0004215 , L0004208 , L0004209 , L0004210 , L0004211 , L0004212 , L0004213 , L0004214 ,  
L0004223 , L0004216 , L0004217 , L0004218 , L0004219 , L0004220 , L0004221 , L0004222 ,  
L0004231 , L0004224 , L0004225 , L0004226 , L0004227 , L0004228 , L0004229 , L0004230 ,  
L0004239 , L0004232 , L0004233 , L0004234 , L0004235 , L0004236 , L0004237 , L0004238 ,  
L0004247 , L0004240 , L0004241 , L0004242 , L0004243 , L0004244 , L0004245 , L0004246 ,

L0004250 , L0004251 , L0004252 , L0004253 , L0003942 ,  
 L0003943 , L0003944 , L0003945 ,  
 \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* C:\Lakes\AERMOD View\3700 Riverside  
 Drive\3700 Riverside Drive.isc \*\*\* 08/03/20  
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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0003951	L0003946 , L0003947 , L0003948 , L0003949 , L0003950 , , L0003952 , L0003953 ,
L0003959	L0003954 , L0003955 , L0003956 , L0003957 , L0003958 , , L0003960 , L0003961 ,
L0003967	L0003962 , L0003963 , L0003964 , L0003965 , L0003966 , , L0003968 , L0003969 ,
L0003975	L0003970 , L0003971 , L0003972 , L0003973 , L0003974 , , L0003976 , L0003977 ,
L0003983	L0003978 , L0003979 , L0003980 , L0003981 , L0003982 , , L0003984 , L0003985 ,
L0003991	L0003986 , L0003987 , L0003988 , L0003989 , L0003990 , , L0003992 , L0003993 ,
L0003999	L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , , L0004000 , L0004001 ,
L0004007	L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , , L0004008 , L0004009 ,
L0004015	L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , , L0004016 , L0004017 ,
L0004023	L0004018 , L0004019 , L0004020 , L0004021 , L0004022 , , L0004024 , L0004025 ,
L0004031	L0004026 , L0004027 , L0004028 , L0004029 , L0004030 , , L0004032 , L0004033 ,

L0004039      L0004034    , L0004035    , L0004036    , L0004037    , L0004038    ,  
                   , L0004040    , L0004041    ,  
  
 L0004047      L0004042    , L0004043    , L0004044    , L0004045    , L0004046    ,  
                   , L0004048    , L0004049    ,  
  
 L0004055      L0004050    , L0004051    , L0004052    , L0004053    , L0004054    ,  
                   , L0004056    , L0004057    ,  
  
 L0004063      L0004058    , L0004059    , L0004060    , L0004061    , L0004062    ,  
                   , L0004064    , L0004065    ,  
  
 L0004071      L0004066    , L0004067    , L0004068    , L0004069    , L0004070    ,  
                   , L0004072    , L0004073    ,  
  
 L0004079      L0004074    , L0004075    , L0004076    , L0004077    , L0004078    ,  
                   , L0004080    , L0004081    ,  
  
 L0004087      L0004082    , L0004083    , L0004084    , L0004085    , L0004086    ,  
                   , L0004088    , L0004089    ,  
  
 L0004095      L0004090    , L0004091    , L0004092    , L0004093    , L0004094    ,  
                   , L0004096    , L0004097    ,

^ \*\*\* AERMOD - VERSION 19191 \*\*\*      \*\*\* C:\Lakes\AERMOD View\3700 Riverside  
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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES

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URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0004102	105861.	L0004098    , L0004099    , L0004100    , L0004101    ,
L0004105		, L0004103    , L0004104    ,
L0004111		, L0004106    , L0004107    , L0004108    , L0004109    , L0004110    ,
L0004119		, L0004112    , L0004113    ,
		L0004114    , L0004115    , L0004116    , L0004117    , L0004118    ,
		, L0004119    , L0004120    , L0004121    ,

L0004127      L0004122      , L0004123      , L0004124      , L0004125      , L0004126      ,  
                 , L0004128      , L0004129      ,  
L0004135      L0004130      , L0004131      , L0004132      , L0004133      , L0004134      ,  
                 , L0004136      , L0004137      ,  
L0004143      L0004138      , L0004139      , L0004140      , L0004141      , L0004142      ,  
                 , L0004144      , L0004145      ,  
L0004151      L0004146      , L0004147      , L0004148      , L0004149      , L0004150      ,  
                 , L0004152      , L0004153      ,  
L0004159      L0004154      , L0004155      , L0004156      , L0004157      , L0004158      ,  
                 , L0004160      , L0004161      ,  
L0004167      L0004162      , L0004163      , L0004164      , L0004165      , L0004166      ,  
                 , L0004168      , L0004169      ,  
L0004175      L0004170      , L0004171      , L0004172      , L0004173      , L0004174      ,  
                 , L0004176      , L0004177      ,  
L0004183      L0004178      , L0004179      , L0004180      , L0004181      , L0004182      ,  
                 , L0004184      , L0004185      ,  
L0004191      L0004186      , L0004187      , L0004188      , L0004189      , L0004190      ,  
                 , L0004192      , L0004193      ,  
L0004199      L0004194      , L0004195      , L0004196      , L0004197      , L0004198      ,  
                 , L0004200      , L0004201      ,  
L0004207      L0004202      , L0004203      , L0004204      , L0004205      , L0004206      ,  
                 , L0004208      , L0004209      ,  
L0004215      L0004210      , L0004211      , L0004212      , L0004213      , L0004214      ,  
                 , L0004216      , L0004217      ,  
L0004223      L0004218      , L0004219      , L0004220      , L0004221      , L0004222      ,  
                 , L0004224      , L0004225      ,  
L0004231      L0004226      , L0004227      , L0004228      , L0004229      , L0004230      ,  
                 , L0004232      , L0004233      ,  
L0004239      L0004234      , L0004235      , L0004236      , L0004237      , L0004238      ,  
                 , L0004240      , L0004241      ,  
L0004247      L0004242      , L0004243      , L0004244      , L0004245      , L0004246      ,  
                 , L0004248      , L0004249      ,  
L0003943      L0004250      , L0004251      , L0004252      , L0004253      , L0003942      ,  
                 , L0003944      , L0003945      ,

^ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* C:\Lakes\AERMOD View\3700 Riverside  
 Drive\3700 Riverside Drive.isc \*\*\* 08/03/20  
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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0003951	L0003946 , L0003952	L0003947 , L0003953 , L0003948 , L0003949 , L0003950 ,
L0003959	L0003954 , L0003960	L0003955 , L0003961 , L0003956 , L0003957 , L0003958 ,
L0003967	L0003962 , L0003968	L0003963 , L0003969 , L0003964 , L0003965 , L0003966 ,
L0003975	L0003970 , L0003976	L0003971 , L0003977 , L0003972 , L0003973 , L0003974 ,
L0003983	L0003978 , L0003984	L0003979 , L0003985 , L0003980 , L0003981 , L0003982 ,
L0003991	L0003986 , L0003992	L0003987 , L0003993 , L0003988 , L0003989 , L0003990 ,
L0003999	L0003994 , L0004000	L0003995 , L0004001 , L0003996 , L0003997 , L0003998 ,
L0004007	L0004002 , L0004008	L0004003 , L0004009 , L0004004 , L0004005 , L0004006 ,
L0004015	L0004010 , L0004016	L0004011 , L0004017 , L0004012 , L0004013 , L0004014 ,
L0004023	L0004018 , L0004024	L0004019 , L0004025 , L0004020 , L0004021 , L0004022 ,
L0004031	L0004026 , L0004032	L0004027 , L0004033 , L0004028 , L0004029 , L0004030 ,
	L0004034	L0004035 , L0004036 , L0004037 , L0004038 ,

L0004039 , L0004040 , L0004041 ,  
 L0004042 , L0004043 , L0004044 , L0004045 , L0004046 ,  
 L0004047 , L0004048 , L0004049 ,  
 L0004050 , L0004051 , L0004052 , L0004053 , L0004054 ,  
 L0004055 , L0004056 , L0004057 ,  
 L0004058 , L0004059 , L0004060 , L0004061 , L0004062 ,  
 L0004063 , L0004064 , L0004065 ,  
 L0004066 , L0004067 , L0004068 , L0004069 , L0004070 ,  
 L0004071 , L0004072 , L0004073 ,  
 L0004074 , L0004075 , L0004076 , L0004077 , L0004078 ,  
 L0004079 , L0004080 , L0004081 ,  
 L0004082 , L0004083 , L0004084 , L0004085 , L0004086 ,  
 L0004087 , L0004088 , L0004089 ,  
 L0004090 , L0004091 , L0004092 , L0004093 , L0004094 ,  
 L0004095 , L0004096 , L0004097 ,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*  
(METERS)

375457.2, 375557.2, 375657.2, 375757.2, 375857.2, 375957.2, 376057.2,  
 376157.2, 376257.2, 376357.2,  
 376457.2, 376557.2, 376657.2, 376757.2, 376857.2, 376957.2, 377057.2,  
 377157.2, 377257.2, 377357.2,  
 377457.2,

\*\*\* Y-COORDINATES OF GRID \*\*\*  
(METERS)

3778878.5, 3778978.5, 3779078.5, 3779178.5, 3779278.5, 3779378.5, 3779478.5,  
 3779578.5, 3779678.5, 3779778.5,  
 3779878.5, 3779978.5, 3780078.5, 3780178.5, 3780278.5, 3780378.5, 3780478.5,

3780578.5, 3780678.5, 3780778.5,  
3780878.5,

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Drive\3700 Riverside Drive.isc \*\*\* 08/03/20  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 17:22:02

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)					X-COORD (METERS)	
	375457.22	375557.22	375657.22	375757.22	375857.22	
375957.22	376057.22	376157.22	376257.22			

-----

3780878.52	177.10	176.50	175.50	173.10	172.60
172.00	173.20	172.50	171.40		
3780778.52	177.00	175.90	174.90	172.70	171.90
171.50	172.20	171.50	171.10		
3780678.52	175.40	175.50	174.80	172.00	171.20
170.90	171.50	171.00	170.60		
3780578.52	173.40	172.90	171.80	172.20	170.60
170.00	169.50	169.40	168.50		
3780478.52	173.10	172.40	171.80	170.90	170.20
171.90	169.50	168.20	167.60		
3780378.52	172.60	172.40	169.70	168.90	169.60
170.70	170.50	168.70	166.80		
3780278.52	174.10	171.70	170.30	169.30	168.80
168.50	169.20	169.40	166.10		
3780178.52	174.70	173.10	170.70	170.90	169.30
167.70	166.70	166.50	165.60		
3780078.52	174.20	173.20	170.80	169.60	166.80
162.00	160.80	160.60	164.90		
3779978.52	177.00	174.20	173.70	173.00	173.00
172.40	170.80	170.00	167.80		
3779878.52	173.10	172.70	172.20	171.30	171.00
170.60	170.30	169.90	169.40		
3779778.52	172.60	172.30	171.50	171.30	170.70
169.60	169.40	169.50	169.30		
3779678.52	172.40	171.90	171.20	170.80	169.60
168.50	168.40	168.40	168.40		
3779578.52	171.30	171.60	171.00	170.00	169.50
168.60	167.70	168.10	167.90		
3779478.52	167.90	170.80	170.50	169.50	169.20

168.40	167.40	167.50	166.70			
3779378.52	169.80	165.00	168.10	169.60	168.30	
168.20	166.50	166.40	166.30			
3779278.52	170.30	167.40	169.10	168.80	167.70	
167.30	166.50	166.10	166.30			
3779178.52	168.00	167.30	165.00	163.90	166.90	
166.60	166.10	165.40	165.70			
3779078.52	165.50	169.10	168.30	168.30	167.20	
165.60	164.00	163.50	163.80			
3778978.52	168.90	167.50	168.20	167.50	167.20	
165.40	164.10	161.60	155.60			
3778878.52	164.30	164.20	167.60	167.30	166.00	
163.70	162.70	157.50	164.20			

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD						X-COORD (METERS)
(METERS)		376357.22	376457.22	376557.22	376657.22	376757.22
376857.22		376957.22	377057.22	377157.22		

3780878.52	170.70	170.40	169.80	169.30	169.00
168.10	167.30	166.70	165.90		
3780778.52	170.10	169.60	169.70	169.00	168.00
166.80	166.30	165.90	165.10		
3780678.52	170.00	168.90	168.50	168.20	167.30
166.30	165.30	165.00	164.80		
3780578.52	169.30	168.60	168.40	166.90	166.40
166.40	165.70	165.00	164.60		
3780478.52	167.40	167.80	168.60	167.80	166.90
165.20	165.30	164.80	164.10		
3780378.52	165.50	165.40	167.50	167.00	165.10
162.00	161.70	162.70	162.80		
3780278.52	165.30	164.60	163.90	163.90	163.00
162.30	161.40	160.80	162.20		
3780178.52	165.70	164.90	164.10	163.40	162.10
161.50	161.50	160.60	159.70		
3780078.52	165.10	164.40	163.90	163.10	161.70
161.70	161.10	161.30	159.90		

3779978.52	165.30	160.10	159.40	159.40	163.30
163.60	163.70	159.90	159.80		
3779878.52	168.70	168.70	168.20	168.20	166.10
162.20	158.70	160.50	160.80		
3779778.52	168.10	167.90	167.50	166.80	166.40
165.60	164.30	163.50	162.50		
3779678.52	167.80	167.60	167.20	166.90	166.20
165.10	163.70	163.60	162.90		
3779578.52	167.50	167.00	166.50	166.70	166.20
165.30	164.00	162.60	162.00		
3779478.52	166.40	166.10	166.20	166.00	165.40
164.60	163.80	162.80	161.60		
3779378.52	166.00	165.50	165.60	164.70	164.60
163.80	160.50	160.60	159.70		
3779278.52	165.20	165.10	164.80	164.30	162.50
159.70	159.40	151.90	158.50		
3779178.52	164.80	164.40	164.40	162.20	152.90
153.60	160.80	161.40	173.10		
3779078.52	160.90	154.10	160.70	164.50	165.80
183.70	203.60	203.30	190.90		
3778978.52	164.80	166.70	166.90	170.70	201.20
212.50	249.60	284.00	273.70		
3778878.52	166.90	177.70	192.60	214.40	185.80
246.10	281.60	324.50	346.80		

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

Y-COORD (METERS)	377257.22	377357.22	377457.22
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3780878.52	163.40	163.00	164.70
3780778.52	164.50	162.50	161.80
3780678.52	164.10	163.40	161.80
3780578.52	163.90	163.20	162.10
3780478.52	164.10	163.50	162.10
3780378.52	162.50	162.40	161.40
3780278.52	158.20	153.70	161.20
3780178.52	158.50	161.00	162.20

3780078.52	158.70	157.90	158.30
3779978.52	158.70	156.90	155.60
3779878.52	162.90	160.60	157.40
3779778.52	162.30	158.30	157.90
3779678.52	161.60	159.90	156.70
3779578.52	161.40	159.90	153.30
3779478.52	160.20	150.70	159.20
3779378.52	151.00	157.50	174.30
3779278.52	159.70	171.10	186.30
3779178.52	188.50	196.00	191.10
3779078.52	250.00	201.30	232.90
3778978.52	295.90	265.60	268.20
3778878.52	359.10	341.60	297.40

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\*\*\* MODELOPTs:     RegDEFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)				
	375457.22	375557.22	375657.22	375757.22	375857.22
375957.22	376057.22	376157.22	376257.22		

3780878.52	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30		
3780778.52	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30		
3780678.52	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30		
3780578.52	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30		
3780478.52	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30		
3780378.52	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30		
3780278.52	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30		
3780178.52	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30		
3780078.52	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30		

3779978.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30	541.30		
3779878.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30	541.30		
3779778.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30	541.30		
3779678.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30	541.30		
3779578.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30	541.30		
3779478.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30	541.30		
3779378.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30	541.30		
3779278.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30	541.30		
3779178.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30	541.30		
3779078.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30	541.30		
3778978.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30	541.30		
3778878.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30	541.30		

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)				
	376357.22	376457.22	376557.22	376657.22	376757.22
376857.22	376957.22	377057.22	377157.22		

3780878.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30	541.30		
3780778.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30	541.30		
3780678.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30	541.30		
3780578.52	541.30	541.30	541.30	541.30	541.30	541.30

541.30	541.30	541.30	541.30			
3780478.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30			
3780378.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30			
3780278.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30			
3780178.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30			
3780078.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30			
3779978.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30			
3779878.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30			
3779778.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30			
3779678.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30			
3779578.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30			
3779478.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30			
3779378.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30			
3779278.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30			
3779178.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30			
3779078.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30			
3778978.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30			
3778878.52	541.30	541.30	541.30	541.30	541.30	541.30
541.30	541.30	541.30	541.30			

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)
377257.22	377357.22
	377457.22

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-----
3780878.52 |      541.30      541.30      541.30
3780778.52 |      541.30      541.30      541.30
3780678.52 |      541.30      541.30      541.30
3780578.52 |      541.30      541.30      541.30
3780478.52 |      541.30      541.30      541.30
3780378.52 |      541.30      541.30      541.30
3780278.52 |      541.30      541.30      541.30
3780178.52 |      541.30      541.30      541.30
3780078.52 |      541.30      541.30      541.30
3779978.52 |      541.30      541.30      541.30
3779878.52 |      541.30      541.30      541.30
3779778.52 |      541.30      541.30      541.30
3779678.52 |      541.30      541.30      541.30
3779578.52 |      541.30      541.30      541.30
3779478.52 |      541.30      541.30      541.30
3779378.52 |      541.30      541.30      541.30
3779278.52 |      541.30      541.30      541.30
3779178.52 |      541.30      541.30      541.30
3779078.52 |      541.30      541.30      541.30
3778978.52 |      541.30      541.30      541.30
3778878.52 |      541.30      541.30      541.30

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Drive\3700 Riverside Drive.isc      ***      08/03/20
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\* RECEPTOR FLAGPOLE HEIGHTS IN METERS \*

```

      Y-COORD |
      (METERS) |      375457.22      375557.22      375657.22      375757.22      375857.22
375957.22 | 376057.22      376157.22      376257.22
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```

3780878.52 |      1.50      1.50      1.50      1.50      1.50
  1.50 |      1.50      1.50      1.50      1.50
3780778.52 |      1.50      1.50      1.50      1.50      1.50
  1.50 |      1.50      1.50      1.50      1.50
3780678.52 |      1.50      1.50      1.50      1.50      1.50
  1.50 |      1.50      1.50      1.50      1.50
3780578.52 |      1.50      1.50      1.50      1.50      1.50

```

1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3780478.52	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3780378.52	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3780278.52	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3780178.52	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3780078.52	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3779978.52	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3779878.52	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3779778.52	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3779678.52	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3779578.52	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3779478.52	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3779378.52	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3779278.52	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3779178.52	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3779078.52	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3778978.52	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3778878.52	1.50	1.50	1.50	1.50	1.50	1.50	1.50
1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

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 Drive\3700 Riverside Drive.isc \*\*\* 08/03/20  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\* RECEPTOR FLAGPOLE HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)				
376357.22	376457.22	376557.22	376657.22	376757.22	

376857.22      376957.22      377057.22      377157.22

-----  
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3780878.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3780778.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3780678.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3780578.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3780478.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3780378.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3780278.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3780178.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3780078.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3779978.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3779878.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3779778.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3779678.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3779578.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3779478.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3779378.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3779278.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3779178.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3779078.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3778978.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50  
3778878.52 |            1.50            1.50            1.50            1.50            1.50  
  1.50            1.50            1.50            1.50            1.50

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Drive\3700 Riverside Drive.isc      \*\*\*      08/03/20

\*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*

\*\*\*      17:22:02

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\* RECEPTOR FLAGPOLE HEIGHTS IN METERS \*

Y-COORD (METERS)	X-COORD (METERS)		
	377257.22	377357.22	377457.22
3780878.52	1.50	1.50	1.50
3780778.52	1.50	1.50	1.50
3780678.52	1.50	1.50	1.50
3780578.52	1.50	1.50	1.50
3780478.52	1.50	1.50	1.50
3780378.52	1.50	1.50	1.50
3780278.52	1.50	1.50	1.50
3780178.52	1.50	1.50	1.50
3780078.52	1.50	1.50	1.50
3779978.52	1.50	1.50	1.50
3779878.52	1.50	1.50	1.50
3779778.52	1.50	1.50	1.50
3779678.52	1.50	1.50	1.50
3779578.52	1.50	1.50	1.50
3779478.52	1.50	1.50	1.50
3779378.52	1.50	1.50	1.50
3779278.52	1.50	1.50	1.50
3779178.52	1.50	1.50	1.50
3779078.52	1.50	1.50	1.50
3778978.52	1.50	1.50	1.50
3778878.52	1.50	1.50	1.50

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* C:\Lakes\AERMOD View\3700 Riverside Drive\3700 Riverside Drive.isc \*\*\* 08/03/20  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 17:22:02

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
 (METERS)

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 Drive\3700 Riverside Drive.isc \*\*\* 08/03/20  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
 (METERS)

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 ( 376494.3, 3779903.9, 168.1, 541.3, 1.5); ( 376496.1,  
 3779899.3, 168.1, 541.3, 1.5);  
 ( 376498.0, 3779894.6, 168.1, 541.3, 1.5); ( 376499.7,  
 3779890.0, 168.1, 541.3, 1.5);  
 ( 376501.5, 3779885.3, 168.1, 541.3, 1.5); ( 376497.0,  
 3779883.4, 168.2, 541.3, 1.5);  
 ( 376492.6, 3779881.6, 168.4, 541.3, 1.5); ( 376488.2,  
 3779879.7, 168.4, 541.3, 1.5);  
 ( 376483.7, 3779877.9, 168.4, 541.3, 1.5); ( 376479.3,  
 3779876.1, 168.5, 541.3, 1.5);  
 ( 376474.9, 3779874.2, 168.5, 541.3, 1.5); ( 376470.4,  
 3779872.4, 168.6, 541.3, 1.5);  
 ( 376466.0, 3779870.6, 168.6, 541.3, 1.5); ( 376461.6,  
 3779868.8, 168.6, 541.3, 1.5);  
 ( 376457.1, 3779866.9, 168.6, 541.3, 1.5); ( 376452.7,  
 3779865.1, 168.6, 541.3, 1.5);  
 ( 376448.3, 3779863.3, 168.7, 541.3, 1.5); ( 376443.8,  
 3779861.4, 168.8, 541.3, 1.5);  
 ( 376439.4, 3779859.6, 168.8, 541.3, 1.5); ( 376435.0,  
 3779857.8, 168.8, 541.3, 1.5);  
 ( 376430.5, 3779856.0, 168.7, 541.3, 1.5); ( 376426.1,  
 3779854.1, 168.5, 541.3, 1.5);  
 ( 376421.6, 3779852.3, 168.4, 541.3, 1.5); ( 376417.2,  
 3779850.5, 168.3, 541.3, 1.5);

^ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* C:\Lakes\AERMOD View\3700 Riverside  
 Drive\3700 Riverside Drive.isc \*\*\* 08/03/20  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
 (METERS)

( 376417.1, 3779850.5, 168.3, 541.3, 1.5); ( 376415.3,  
3779855.0, 168.3, 541.3, 1.5);  
( 376413.6, 3779859.4, 168.3, 541.3, 1.5); ( 376411.9,  
3779863.9, 168.3, 541.3, 1.5);  
( 376410.1, 3779868.3, 168.3, 541.3, 1.5); ( 376408.4,  
3779872.8, 168.3, 541.3, 1.5);  
( 376406.7, 3779877.3, 168.3, 541.3, 1.5); ( 376404.9,  
3779881.7, 168.4, 541.3, 1.5);  
( 376403.2, 3779886.2, 168.4, 541.3, 1.5); ( 376401.5,  
3779890.6, 168.5, 541.3, 1.5);  
( 376401.5, 3779890.8, 168.5, 541.3, 1.5); ( 376406.0,  
3779892.4, 168.5, 541.3, 1.5);  
( 376410.5, 3779894.1, 168.5, 541.3, 1.5); ( 376415.0,  
3779895.8, 168.5, 541.3, 1.5);  
( 376419.5, 3779897.5, 168.4, 541.3, 1.5); ( 376424.0,  
3779899.1, 168.4, 541.3, 1.5);  
( 376428.5, 3779900.8, 168.4, 541.3, 1.5); ( 376433.0,  
3779902.5, 168.4, 541.3, 1.5);  
( 376437.5, 3779904.2, 168.3, 541.3, 1.5); ( 376442.0,  
3779905.8, 168.3, 541.3, 1.5);  
( 376446.5, 3779907.5, 168.3, 541.3, 1.5); ( 376451.0,  
3779909.2, 168.3, 541.3, 1.5);  
( 376455.5, 3779910.9, 168.3, 541.3, 1.5); ( 376460.0,  
3779912.5, 168.2, 541.3, 1.5);  
( 376464.5, 3779914.2, 168.2, 541.3, 1.5); ( 376469.0,  
3779915.9, 168.2, 541.3, 1.5);  
( 376473.5, 3779917.6, 168.2, 541.3, 1.5); ( 376478.0,  
3779919.3, 168.2, 541.3, 1.5);  
( 376482.5, 3779920.9, 168.2, 541.3, 1.5); ( 376487.0,  
3779922.6, 168.2, 541.3, 1.5);  
( 376401.5, 3779890.7, 168.5, 541.3, 1.5); ( 376487.1,  
3779922.5, 168.2, 541.3, 1.5);  
( 376501.5, 3779885.3, 168.1, 541.3, 1.5); ( 376417.2,  
3779850.6, 168.3, 541.3, 1.5);

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Drive\3700 Riverside Drive.isc \*\*\* 08/03/20  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT  
BE PERFORMED \*  
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR  
FASTAREA/FASTALL

SOURCE - - RECEPTOR LOCATION - -

DISTANCE (METERS)	ID	XR (METERS)	YR (METERS)
-2.71	L0004099	375457.2	3779978.5
-4.19	L0004100	375457.2	3779978.5
-1.69	L0004107	375557.2	3779978.5
-7.73	L0004182	376557.2	3779978.5
-4.41	L0004183	376557.2	3779978.5
-0.55	L0004206	376857.2	3779878.5
-3.32	L0004236	377257.2	3779878.5
0.10	L0004243	377357.2	3779878.5
-1.16	L0003943	375457.2	3779978.5
-2.01	L0003981	375957.2	3780078.5
0.08	L0003989	376057.2	3780078.5
-0.76	L0004033	376657.2	3779978.5
-7.37	L0004034	376657.2	3779978.5
-6.41	L0004057	376957.2	3779878.5
-4.00	L0004058	376957.2	3779878.5
-2.93	L0004065	377057.2	3779878.5
-3.29	L0004072	377157.2	3779878.5
-1.72	L0004073	377157.2	3779878.5
0.72	L0004079	377257.2	3779878.5
-3.24	L0004080	377257.2	3779878.5

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* METEOROLOGICAL DAYS SELECTED FOR PROCESSING \*\*\*  
(1=YES; 0=NO)

1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1
1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1	1 1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

\*\*\* UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES \*\*\*  
(METERS/SEC)

1.54, 3.09, 5.14, 8.23,

10.80,  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA \*\*\*

Surface file: BurbankAirportADJU\KBUR\_V9\_ADJU\KBUR\_v9.SFC  
Met Version: 16216  
Profile file: BurbankAirportADJU\KBUR\_V9\_ADJU\KBUR\_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23152  
Name: BURBANK\_AIRPORT

Upper air station no.: 3190  
Name: UNKNOWN

Year: 2012

Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
12	01	01	1	01	-23.4	0.241	-9.000	-9.000	-999.	285.	64.1	0.16	3.02	
1.00		2.45	359.		7.9	286.4	2.0							
12	01	01	1	02	-11.3	0.143	-9.000	-9.000	-999.	134.	23.1	0.16	3.02	
1.00		1.50	289.		7.9	284.9	2.0							
12	01	01	1	03	-4.8	0.092	-9.000	-9.000	-999.	68.	14.5	0.16	3.02	
1.00		0.99	300.		7.9	283.8	2.0							
12	01	01	1	04	-8.1	0.121	-9.000	-9.000	-999.	100.	19.1	0.16	3.02	
1.00		1.28	295.		7.9	284.2	2.0							
12	01	01	1	05	-2.9	0.074	-9.000	-9.000	-999.	49.	12.3	0.16	3.02	
1.00		0.75	323.		7.9	282.5	2.0							
12	01	01	1	06	-11.3	0.143	-9.000	-9.000	-999.	130.	23.0	0.16	3.02	
1.00		1.50	306.		7.9	283.1	2.0							
12	01	01	1	07	-16.9	0.176	-9.000	-9.000	-999.	178.	34.3	0.16	3.02	
1.00		1.82	315.		7.9	284.9	2.0							
12	01	01	1	08	-8.8	0.134	-9.000	-9.000	-999.	118.	24.3	0.16	3.02	
0.55		1.40	323.		7.9	287.0	2.0							
12	01	01	1	09	36.3	0.171	0.339	0.008	38.	169.	-12.2	0.16	3.02	
0.32		1.31	23.		7.9	288.8	2.0							
12	01	01	1	10	110.9	0.119	0.729	0.009	124.	99.	-1.4	0.16	3.02	
0.24		0.62	163.		7.9	292.0	2.0							
12	01	01	1	11	165.2	0.157	1.185	0.005	358.	149.	-2.1	0.16	3.02	
0.21		0.89	112.		7.9	296.4	2.0							
12	01	01	1	12	192.9	0.184	1.540	0.005	672.	189.	-2.8	0.16	3.02	
0.20		1.11	225.		7.9	299.2	2.0							
12	01	01	1	13	192.1	0.199	1.840	0.005	1152.	213.	-3.6	0.16	3.02	
0.20		1.26	250.		7.9	299.9	2.0							
12	01	01	1	14	164.6	0.270	1.886	0.005	1447.	337.	-10.6	0.16	3.02	
0.21		2.03	273.		7.9	300.4	2.0							
12	01	01	1	15	111.1	0.289	1.699	0.005	1566.	373.	-19.3	0.16	3.02	
0.25		2.35	270.		7.9	300.4	2.0							
12	01	01	1	16	35.3	0.338	1.167	0.005	1596.	472.	-96.9	0.16	3.02	
0.33		3.12	289.		7.9	298.8	2.0							
12	01	01	1	17	-20.8	0.255	-9.000	-9.000	-999.	312.	71.4	0.16	3.02	
0.60		2.57	318.		7.9	296.4	2.0							
12	01	01	1	18	-35.0	0.369	-9.000	-9.000	-999.	538.	149.9	0.16	3.02	
1.00		3.68	320.		7.9	293.8	2.0							

12	01	01	1	19	-27.7	0.291	-9.000	-9.000	-999.	380.	93.2	0.16	3.02
1.00	2.93	345.	7.9	292.0	2.0								
12	01	01	1	20	-20.7	0.216	-9.000	-9.000	-999.	243.	51.2	0.16	3.02
1.00	2.20	325.	7.9	290.4	2.0								
12	01	01	1	21	-8.5	0.124	-9.000	-9.000	-999.	108.	19.8	0.16	3.02
1.00	1.31	359.	7.9	288.1	2.0								
12	01	01	1	22	-7.4	0.116	-9.000	-9.000	-999.	94.	18.4	0.16	3.02
1.00	1.23	304.	7.9	287.5	2.0								
12	01	01	1	23	-6.3	0.106	-9.000	-9.000	-999.	82.	16.7	0.16	3.02
1.00	1.13	314.	7.9	285.9	2.0								
12	01	01	1	24	-19.7	0.203	-9.000	-9.000	-999.	220.	45.5	0.16	3.02
1.00	2.08	319.	7.9	287.0	2.0								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	359.	2.45	286.5	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S):    L0004098    ,    L0004099  
 , L0004100    ,    L0004101    ,    L0004102    ,  
    L0004103    ,    L0004104    ,    L0004105    ,    L0004106    ,    L0004107  
 , L0004108    ,    L0004109    ,    L0004110    ,  
    L0004111    ,    L0004112    ,    L0004113    ,    L0004114    ,    L0004115  
 , L0004116    ,    L0004117    ,    L0004118    ,  
    L0004119    ,    L0004120    ,    L0004121    ,    L0004122    ,    L0004123  
 , L0004124    ,    L0004125    ,    . . .    ,

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10    IN MICROGRAMS/M\*\*3

\*\*

Y-COORD (METERS)	X-COORD (METERS)
375957.22	375457.22    375557.22    375657.22    375757.22    375857.22
376057.22	376157.22    376257.22

-----

3780878.52	0.00257	0.00274	0.00286	0.00296	0.00298
0.00297	0.00287	0.00281	0.00275		
3780778.52	0.00293	0.00314	0.00330	0.00342	0.00347
0.00345	0.00336	0.00329	0.00319		
3780678.52	0.00340	0.00366	0.00385	0.00403	0.00410
0.00409	0.00397	0.00388	0.00375		
3780578.52	0.00401	0.00439	0.00467	0.00482	0.00495
0.00496	0.00489	0.00474	0.00461		
3780478.52	0.00478	0.00532	0.00570	0.00598	0.00613
0.00594	0.00603	0.00595	0.00575		
3780378.52	0.00588	0.00667	0.00735	0.00777	0.00796
0.00777	0.00758	0.00757	0.00746		
3780278.52	0.00750	0.00893	0.00994	0.01070	0.01116
0.01119	0.01065	0.01012	0.01032		
3780178.52	0.01059	0.01319	0.01535	0.01669	0.01787
0.01837	0.01815	0.01713	0.01619		
3780078.52	0.01924	0.02687	0.03526	0.04636	0.06122
0.06635	0.06565	0.06537	0.03848		
3779978.52	0.03989	0.04820	0.03232	0.02282	0.01863
0.01697	0.01734	0.01857	0.02270		
3779878.52	0.00817	0.01071	0.01078	0.01027	0.00985
0.00979	0.00996	0.01038	0.01112		
3779778.52	0.00420	0.00525	0.00592	0.00615	0.00629
0.00649	0.00674	0.00704	0.00743		
3779678.52	0.00284	0.00339	0.00388	0.00421	0.00448
0.00471	0.00492	0.00517	0.00546		
3779578.52	0.00217	0.00248	0.00281	0.00311	0.00335
0.00356	0.00378	0.00397	0.00419		
3779478.52	0.00180	0.00195	0.00218	0.00242	0.00261
0.00281	0.00299	0.00316	0.00335		
3779378.52	0.00146	0.00171	0.00181	0.00194	0.00213
0.00227	0.00246	0.00260	0.00274		
3779278.52	0.00123	0.00139	0.00149	0.00162	0.00177
0.00190	0.00204	0.00217	0.00228		
3779178.52	0.00109	0.00120	0.00134	0.00148	0.00151
0.00162	0.00174	0.00185	0.00194		
3779078.52	0.00100	0.00102	0.00111	0.00119	0.00129
0.00141	0.00153	0.00162	0.00170		
3778978.52	0.00084	0.00092	0.00097	0.00105	0.00113
0.00124	0.00133	0.00148	0.00153		
3778878.52	0.00082	0.00087	0.00087	0.00093	0.00102
0.00112	0.00121	0.00129	0.00129		

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\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL

\*\*\*  
 INCLUDING SOURCE(S): L0004098 , L0004099  
 , L0004100 , L0004101 , L0004102 ,  
 L0004103 , L0004104 , L0004105 , L0004106 , L0004107  
 , L0004108 , L0004109 , L0004110 ,  
 L0004111 , L0004112 , L0004113 , L0004114 , L0004115  
 , L0004116 , L0004117 , L0004118 ,  
 L0004119 , L0004120 , L0004121 , L0004122 , L0004123  
 , L0004124 , L0004125 , . . . ,

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

Y-COORD (METERS)	X-COORD (METERS)
376857.22	376957.22
	377057.22
	377157.22
	376657.22
	376757.22

-----

3780878.52	0.00267	0.00256	0.00246	0.00234	0.00221
0.00209	0.00197	0.00183	0.00168		
3780778.52	0.00310	0.00298	0.00283	0.00270	0.00256
0.00242	0.00226	0.00210	0.00193		
3780678.52	0.00363	0.00351	0.00335	0.00317	0.00300
0.00283	0.00265	0.00245	0.00224		
3780578.52	0.00437	0.00419	0.00399	0.00382	0.00359
0.00334	0.00312	0.00288	0.00265		
3780478.52	0.00549	0.00518	0.00483	0.00460	0.00434
0.00410	0.00378	0.00349	0.00322		
3780378.52	0.00719	0.00678	0.00617	0.00581	0.00553
0.00543	0.00502	0.00449	0.00412		
3780278.52	0.00982	0.00925	0.00866	0.00798	0.00746
0.00701	0.00648	0.00600	0.00550		
3780178.52	0.01475	0.01374	0.01267	0.01152	0.01070
0.00964	0.00879	0.00817	0.00765		
3780078.52	0.03059	0.02671	0.02334	0.02013	0.01733
0.01468	0.01297	0.01200	0.01155		
3779978.52	0.03062	0.05921	0.06944	0.06927	0.04003
0.02707	0.02149	0.02082	0.02063		
3779878.52	0.01225	0.01353	0.01553	0.01819	0.02565
0.04926	0.07781	0.06782	0.05898		
3779778.52	0.00804	0.00867	0.00946	0.01052	0.01193
0.01408	0.01741	0.02045	0.01970		
3779678.52	0.00580	0.00617	0.00659	0.00708	0.00770
0.00851	0.00947	0.01008	0.00980		
3779578.52	0.00443	0.00469	0.00498	0.00525	0.00559

0.00598	0.00639	0.00647	0.00621		
3779478.52	0.00353	0.00373	0.00392	0.00412	0.00434
0.00456	0.00474	0.00476	0.00453		
3779378.52	0.00289	0.00304	0.00319	0.00335	0.00349
0.00362	0.00357	0.00358	0.00354		
3779278.52	0.00242	0.00254	0.00265	0.00277	0.00283
0.00288	0.00291	0.00286	0.00288		
3779178.52	0.00205	0.00215	0.00224	0.00232	0.00235
0.00239	0.00243	0.00243	0.00259		
3779078.52	0.00184	0.00189	0.00195	0.00199	0.00206
0.00190	0.00142	0.00146	0.00181		
3778978.52	0.00153	0.00158	0.00164	0.00169	0.00124
0.00112	0.00103	0.00105	0.00107		
3778878.52	0.00132	0.00133	0.00119	0.00091	0.00141
0.00088	0.00090	0.00092	0.00093		

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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL

\*\*\*

INCLUDING SOURCE(S):

L0004098      ,    L0004099

, L0004100	, L0004101	, L0004102	,		
	L0004103	, L0004104	, L0004105	, L0004106	, L0004107
, L0004108	, L0004109	, L0004110	,		
	L0004111	, L0004112	, L0004113	, L0004114	, L0004115
, L0004116	, L0004117	, L0004118	,		
	L0004119	, L0004120	, L0004121	, L0004122	, L0004123
, L0004124	, L0004125	, . . .	,		

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10      IN MICROGRAMS/M\*\*3

\*\*

Y-COORD					X-COORD (METERS)
(METERS)		377257.22	377357.22	377457.22	

-----

3780878.52	0.00158	0.00143	0.00119
3780778.52	0.00176	0.00165	0.00146
3780678.52	0.00205	0.00184	0.00166
3780578.52	0.00242	0.00217	0.00191
3780478.52	0.00292	0.00258	0.00224

3780378.52	0.00380	0.00332	0.00273
3780278.52	0.00502	0.00427	0.00345
3780178.52	0.00705	0.00623	0.00469
3780078.52	0.01119	0.01029	0.00759
3779978.52	0.02200	0.02452	0.02237
3779878.52	0.05830	0.04436	0.02292
3779778.52	0.01678	0.01297	0.00961
3779678.52	0.00879	0.00767	0.00627
3779578.52	0.00588	0.00536	0.00458
3779478.52	0.00437	0.00394	0.00371
3779378.52	0.00335	0.00326	0.00343
3779278.52	0.00281	0.00304	0.00250
3779178.52	0.00215	0.00189	0.00203
3779078.52	0.00125	0.00155	0.00127
3778978.52	0.00108	0.00109	0.00109
3778878.52	0.00093	0.00096	0.00096

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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S):      L0004098      ,    L0004099  
 , L0004100      ,    L0004101      ,    L0004102      ,  
    L0004103      ,    L0004104      ,    L0004105      ,    L0004106      ,    L0004107  
 , L0004108      ,    L0004109      ,    L0004110      ,  
    L0004111      ,    L0004112      ,    L0004113      ,    L0004114      ,    L0004115  
 , L0004116      ,    L0004117      ,    L0004118      ,  
    L0004119      ,    L0004120      ,    L0004121      ,    L0004122      ,    L0004123  
 , L0004124      ,    L0004125      ,    . . .      ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM\_10      IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
376419.51	3779855.19	0.01163	376424.51
3779855.19	0.01166		
376414.51	3779860.19	0.01189	376419.51
3779860.19	0.01192		
376424.51	3779860.19	0.01194	376429.51

3779860.19	0.01194			
376434.51	3779860.19	0.01196		376439.51
3779860.19	0.01201			
376414.51	3779865.19	0.01217		376419.51
3779865.19	0.01220			
376424.51	3779865.19	0.01224		376429.51
3779865.19	0.01224			
376434.51	3779865.19	0.01227		376439.51
3779865.19	0.01233			
376444.51	3779865.19	0.01241		376449.51
3779865.19	0.01250			
376414.51	3779870.19	0.01246		376419.51
3779870.19	0.01250			
376424.51	3779870.19	0.01255		376429.51
3779870.19	0.01257			
376434.51	3779870.19	0.01260		376439.51
3779870.19	0.01267			
376444.51	3779870.19	0.01274		376449.51
3779870.19	0.01282			
376454.51	3779870.19	0.01289		376459.51
3779870.19	0.01297			
376464.51	3779870.19	0.01305		376409.51
3779875.19	0.01275			
376414.51	3779875.19	0.01278		376419.51
3779875.19	0.01282			
376424.51	3779875.19	0.01288		376429.51
3779875.19	0.01291			
376434.51	3779875.19	0.01295		376439.51
3779875.19	0.01303			
376444.51	3779875.19	0.01310		376449.51
3779875.19	0.01318			
376454.51	3779875.19	0.01325		376459.51
3779875.19	0.01332			
376464.51	3779875.19	0.01338		376469.51
3779875.19	0.01347			
376474.51	3779875.19	0.01359		376409.51
3779880.19	0.01309			
376414.51	3779880.19	0.01311		376419.51
3779880.19	0.01316			
376424.51	3779880.19	0.01322		376429.51
3779880.19	0.01327			
376434.51	3779880.19	0.01333		376439.51
3779880.19	0.01340			
376444.51	3779880.19	0.01348		376449.51
3779880.19	0.01356			
376454.51	3779880.19	0.01364		376459.51
3779880.19	0.01370			
376464.51	3779880.19	0.01374		376469.51
3779880.19	0.01380			
376474.51	3779880.19	0.01392		376479.51

3779880.19	0.01405			
	376484.51	3779880.19	0.01419	376404.51
3779885.19	0.01339			
	376409.51	3779885.19	0.01345	376414.51
3779885.19	0.01350			
	376419.51	3779885.19	0.01356	376424.51
3779885.19	0.01362			
	376429.51	3779885.19	0.01368	376434.51
3779885.19	0.01374			
	376439.51	3779885.19	0.01381	376444.51
3779885.19	0.01389			
	376449.51	3779885.19	0.01399	376454.51
3779885.19	0.01406			
	376459.51	3779885.19	0.01413	376464.51
3779885.19	0.01416			
	376469.51	3779885.19	0.01423	376474.51
3779885.19	0.01432			
	376479.51	3779885.19	0.01443	376484.51
3779885.19	0.01456			
	376489.51	3779885.19	0.01473	376494.51
3779885.19	0.01490			
	376499.51	3779885.19	0.01506	376404.51
3779890.19	0.01374			
	376409.51	3779890.19	0.01383	376414.51
3779890.19	0.01392			

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\*\*\* MODELOPTs:    RegDEFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION  
 VALUES FOR SOURCE GROUP: ALL    \*\*\*

INCLUDING SOURCE(S):    L0004098    ,    L0004099  
 , L0004100    ,    L0004101    ,    L0004102    ,  
                                  L0004103    ,    L0004104    ,    L0004105    ,    L0004106    ,    L0004107  
 , L0004108    ,    L0004109    ,    L0004110    ,  
                                  L0004111    ,    L0004112    ,    L0004113    ,    L0004114    ,    L0004115  
 , L0004116    ,    L0004117    ,    L0004118    ,  
                                  L0004119    ,    L0004120    ,    L0004121    ,    L0004122    ,    L0004123  
 , L0004124    ,    L0004125    ,    . . .    ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM\_10    IN MICROGRAMS/M\*\*3

\*\*

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3779890.19	376419.51	3779890.19	0.01400	376424.51
3779890.19	376429.51	3779890.19	0.01413	376434.51
3779890.19	376439.51	3779890.19	0.01426	376444.51
3779890.19	376449.51	3779890.19	0.01444	376454.51
3779890.19	376459.51	3779890.19	0.01459	376464.51
3779890.19	376469.51	3779890.19	0.01470	376474.51
3779890.19	376479.51	3779890.19	0.01485	376484.51
3779890.19	376489.51	3779890.19	0.01520	376494.51
3779895.19	376499.51	3779890.19	0.01554	376414.51
3779895.19	376419.51	3779895.19	0.01442	376424.51
3779895.19	376429.51	3779895.19	0.01459	376434.51
3779895.19	376439.51	3779895.19	0.01474	376444.51
3779895.19	376449.51	3779895.19	0.01493	376454.51
3779895.19	376459.51	3779895.19	0.01509	376464.51
3779895.19	376469.51	3779895.19	0.01521	376474.51
3779895.19	376479.51	3779895.19	0.01537	376484.51
3779895.19	376489.51	3779895.19	0.01573	376494.51
3779900.19	376429.51	3779900.19	0.01504	376434.51
3779900.19	376439.51	3779900.19	0.01526	376444.51
3779900.19	376449.51	3779900.19	0.01547	376454.51
3779900.19	376459.51	3779900.19	0.01561	376464.51
3779900.19	376469.51	3779900.19	0.01576	376474.51
3779900.19	376479.51	3779900.19	0.01597	376484.51
3779900.19	376489.51	3779900.19	0.01610	

376489.51	3779900.19	0.01633	376494.51
3779900.19	0.01651		
376444.51	3779905.19	0.01588	376449.51
3779905.19	0.01599		
376454.51	3779905.19	0.01608	376459.51
3779905.19	0.01617		
376464.51	3779905.19	0.01627	376469.51
3779905.19	0.01637		
376474.51	3779905.19	0.01648	376479.51
3779905.19	0.01661		
376484.51	3779905.19	0.01675	376489.51
3779905.19	0.01693		
376454.51	3779910.19	0.01664	376459.51
3779910.19	0.01677		
376464.51	3779910.19	0.01690	376469.51
3779910.19	0.01704		
376474.51	3779910.19	0.01717	376479.51
3779910.19	0.01732		
376484.51	3779910.19	0.01745	376489.51
3779910.19	0.01757		
376469.51	3779915.19	0.01768	376474.51
3779915.19	0.01783		
376479.51	3779915.19	0.01798	376484.51
3779915.19	0.01812		
376489.51	3779915.19	0.01824	376484.51
3779920.19	0.01881		
376487.15	3779922.56	0.01923	376488.95
3779917.90	0.01860		
376490.75	3779913.25	0.01800	376492.55
3779908.60	0.01745		
376494.35	3779903.95	0.01694	376496.15
3779899.30	0.01644		
376497.95	3779894.65	0.01596	376499.74
3779890.00	0.01553		

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\*\*\* MODELOPTs:      RegDEFAULT    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\*\*\* THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL      INCLUDING SOURCE(S):      L0004098      , L0004099  
   , L0004100      , L0004101      , L0004102      ,  
                   , L0004103      , L0004104      , L0004105      , L0004106      , L0004107  
   , L0004108      , L0004109      , L0004110      ,  
                   , L0004111      , L0004112      , L0004113      , L0004114      , L0004115  
   , L0004116      , L0004117      , L0004118      ,

L0004119 , L0004120 , L0004121 , L0004122 , L0004123  
 , L0004124 , L0004125 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
376501.54	3779885.35	0.01514	376497.05
3779883.39	0.01482		
376492.62	3779881.56	0.01449	376488.18
3779879.73	0.01423		
376483.74	3779877.90	0.01400	376479.31
3779876.08	0.01376		
376474.87	3779874.25	0.01354	376470.44
3779872.42	0.01331		
376466.00	3779870.59	0.01310	376461.57
3779868.76	0.01291		
376457.13	3779866.93	0.01273	376452.69
3779865.10	0.01255		
376448.26	3779863.28	0.01236	376443.82
3779861.45	0.01216		
376439.39	3779859.62	0.01198	376434.95
3779857.79	0.01183		
376430.52	3779855.96	0.01171	376426.08
3779854.13	0.01161		
376421.64	3779852.31	0.01149	376417.21
3779850.48	0.01136		
376417.08	3779850.53	0.01137	376415.34
3779854.99	0.01160		
376413.61	3779859.44	0.01183	376411.87
3779863.90	0.01208		
376410.13	3779868.35	0.01232	376408.40
3779872.81	0.01259		
376406.66	3779877.26	0.01287	376404.93
3779881.71	0.01315		
376403.19	3779886.17	0.01344	376401.46
3779890.62	0.01373		
376401.52	3779890.75	0.01374	376406.02
3779892.43	0.01394		
376410.52	3779894.11	0.01416	376415.02
3779895.78	0.01438		
376419.52	3779897.46	0.01460	376424.02
3779899.14	0.01484		
376428.52	3779900.81	0.01508	376433.02

3779902.49	0.01534			
	376437.52	3779904.17	0.01562	376442.02
3779905.85	0.01590			
	376446.52	3779907.52	0.01617	376451.02
3779909.20	0.01645			
	376455.52	3779910.88	0.01675	376460.02
3779912.55	0.01708			
	376464.52	3779914.23	0.01741	376469.02
3779915.91	0.01776			
	376473.52	3779917.58	0.01811	376478.02
3779919.26	0.01847			
	376482.52	3779920.94	0.01884	376487.03
3779922.61	0.01924			
	376401.55	3779890.66	0.01373	376487.06
3779922.52	0.01922			
	376501.45	3779885.31	0.01513	376417.17
3779850.57	0.01137			

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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    FLGPOL    URBAN    ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 VALUES FOR SOURCE GROUP: ALL      \*\*\*  
    INCLUDING SOURCE(S):      L0004098      , L0004099  
 , L0004100      , L0004101      , L0004102      ,  
    L0004103      , L0004104      , L0004105      , L0004106      , L0004107  
 , L0004108      , L0004109      , L0004110      ,  
    L0004111      , L0004112      , L0004113      , L0004114      , L0004115  
 , L0004116      , L0004117      , L0004118      ,  
    L0004119      , L0004120      , L0004121      , L0004122      , L0004123  
 , L0004124      , L0004125      , . . .      ,

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10      IN MICROGRAMS/M\*\*3

\*\*

Y-COORD				X-COORD (METERS)
(METERS)		375457.22	375557.22	375657.22
		375757.22	375857.22	

3780878.5 |      0.02319 (15082604)      0.02238 (16082306)      0.02166  
 (12090122)      0.02066 (13082304)      0.01956 (14081202)

3780778.5	0.02633 (13090604)	0.02546 (15082604)	0.02445
(16082306)	0.02319 (12090122)	0.02234 (13082304)	
3780678.5	0.02975 (12081403)	0.02950 (13090604)	0.02820
(15082604)	0.02644 (16082306)	0.02536 (12090122)	
3780578.5	0.03438 (15063005)	0.03373 (12081403)	0.03249
(13090604)	0.03192 (13090604)	0.02945 (13081601)	
3780478.5	0.04180 (14073006)	0.04085 (14073006)	0.03958
(15063005)	0.03814 (12081403)	0.03660 (13090604)	
3780378.5	0.05261 (15092203)	0.05291 (12090806)	0.04892
(14073006)	0.04701 (14073006)	0.04608 (15063005)	
3780278.5	0.07105 (13091706)	0.06903 (13091706)	0.06788
(12120522)	0.06683 (15092203)	0.06370 (12090806)	
3780178.5	0.09853 (15102720)	0.10459 (15102720)	0.10594
(16092006)	0.10952 (14072404)	0.10435 (13091706)	
3780078.5	0.12892 (13091402)	0.15940 (13091402)	0.17970
(13091402)	0.22761 (15090823)	0.25270 (15090823)	
3779978.5	0.23790 (12090602)	0.21502 (13090623)	0.17104
(15092401)	0.12275 (15080306)	0.10435 (13062606)	
3779878.5	0.06705 (13062903)	0.06988 (15061824)	0.06507
(12083104)	0.06034 (15102423)	0.05786 (14072001)	
3779778.5	0.04218 (12082002)	0.04282 (15092424)	0.04223
(15102423)	0.04222 (15102423)	0.04182 (15102423)	
3779678.5	0.03134 (15092424)	0.03198 (13062903)	0.03262
(13062903)	0.03306 (13062903)	0.03281 (13062903)	
3779578.5	0.02518 (13062903)	0.02618 (15092302)	0.02655
(15080306)	0.02680 (15081202)	0.02709 (15081202)	
3779478.5	0.01989 (15092324)	0.02241 (15092324)	0.02282
(15092324)	0.02274 (14071206)	0.02306 (15061824)	
3779378.5	0.01864 (15061824)	0.01581 (16110918)	0.01860
(16083102)	0.02003 (12082002)	0.01959 (15072504)	
3779278.5	0.01703 (12082002)	0.01581 (15072504)	0.01714
(15072504)	0.01739 (12100202)	0.01718 (12100202)	
3779178.5	0.01441 (12100202)	0.01439 (12100202)	0.01301
(13082522)	0.01265 (12092707)	0.01465 (13100523)	
3779078.5	0.01183 (13082522)	0.01401 (12081802)	0.01376
(13090803)	0.01411 (15082522)	0.01367 (12102719)	
3778978.5	0.01256 (16072706)	0.01221 (13100523)	0.01273
(13100523)	0.01255 (12102719)	0.01259 (15091203)	
3778878.5	0.00978 (13082923)	0.00980 (13082923)	0.01147
(13070905)	0.01159 (15091203)	0.01094 (16092821)	

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 Drive\3700 Riverside Drive.isc      \*\*\*      08/03/20

\*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*

\*\*\*      17:22:02

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\*\*\* MODELOPTs:      RegDEFAULT      CONC      ELEV      FLGPOL      URBAN      ADJ\_U\*

\*\*\* THE      1ST HIGHEST      1-HR AVERAGE CONCENTRATION  
 VALUES FOR SOURCE GROUP:      ALL      \*\*\*

INCLUDING SOURCE(S): L0004098 , L0004099  
 , L0004100 , L0004101 , L0004102 ,  
 L0004103 , L0004104 , L0004105 , L0004106 , L0004107  
 , L0004108 , L0004109 , L0004110 ,  
 L0004111 , L0004112 , L0004113 , L0004114 , L0004115  
 , L0004116 , L0004117 , L0004118 ,  
 L0004119 , L0004120 , L0004121 , L0004122 , L0004123  
 , L0004124 , L0004125 , . . . ,

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD			X-COORD (METERS)
(METERS)	375957.22	376057.22	376157.22
	376257.22	376357.22	

3780878.5	0.01913 (12080702)	0.01896 (13090205)	0.01832
(15090923)	0.01738 (15090923)	0.01653 (13082904)	
3780778.5	0.02114 (14081202)	0.02094 (12080702)	0.02015
(13090205)	0.01948 (15090923)	0.01808 (14071204)	
3780678.5	0.02446 (13082304)	0.02341 (14081202)	0.02265
(12080702)	0.02167 (13090205)	0.02072 (15090923)	
3780578.5	0.02819 (12090122)	0.02687 (13082304)	0.02546
(14081202)	0.02400 (12080702)	0.02350 (15090923)	
3780478.5	0.03563 (13090604)	0.03248 (16082306)	0.03009
(14081501)	0.02803 (14081202)	0.02644 (15082605)	
3780378.5	0.04478 (12081403)	0.04262 (13090604)	0.03805
(13081601)	0.03436 (14081501)	0.03107 (13062921)	
3780278.5	0.05998 (14073006)	0.05626 (15063005)	0.05257
(12081403)	0.04497 (15082405)	0.04061 (14090822)	
3780178.5	0.09571 (15092203)	0.08597 (12090806)	0.07736
(14073006)	0.06767 (15091106)	0.06108 (13090604)	
3780078.5	0.20777 (12092207)	0.19537 (16092607)	0.17351
(16092607)	0.15303 (12081204)	0.12183 (15101007)	
3779978.5	0.09621 (15081402)	0.09929 (15081402)	0.10684
(15081402)	0.11881 (12082006)	0.13553 (15061906)	
3779878.5	0.05681 (14072001)	0.05719 (14072001)	0.05899
(13091605)	0.06230 (13091605)	0.06696 (12082901)	
3779778.5	0.04158 (13090623)	0.04237 (13090623)	0.04411
(13090623)	0.04619 (13090623)	0.04716 (13090623)	
3779678.5	0.03222 (13062903)	0.03280 (15092302)	0.03376
(14100221)	0.03536 (14100221)	0.03645 (13051401)	
3779578.5	0.02707 (15092324)	0.02670 (14071206)	0.02780
(14071206)	0.02848 (14081701)	0.02916 (16083102)	
3779478.5	0.02280 (16083102)	0.02265 (16083102)	0.02318

```

(15072504)      0.02229 (12100202)      0.02254 (13082522)
3779378.5 |    0.01985 (12062702)      0.01848 (14051322)      0.01873
(13082522)      0.01896 (15101103)      0.01886 (13070905)
3779278.5 |    0.01708 (16072706)      0.01636 (13100523)      0.01628
(12102719)      0.01667 (13050222)      0.01608 (15092101)
3779178.5 |    0.01459 (12102719)      0.01442 (13070905)      0.01424
(16092821)      0.01456 (15092101)      0.01421 (16092807)
3779078.5 |    0.01268 (15071823)      0.01212 (16092807)      0.01210
(16092807)      0.01205 (15100924)      0.01103 (16092807)
3778978.5 |    0.01161 (15081501)      0.01125 (16092807)      0.00975
(16092807)      0.00980 (16092807)      0.01169 (13090601)
3778878.5 |    0.01016 (16092807)      0.00955 (16092807)      0.00885
(16092807)      0.01046 (13090601)      0.01166 (13051201)
^ *** AERMOD - VERSION 19191 *** *** C:\Lakes\AERMOD View\3700 Riverside
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*** AERMET - VERSION 16216 *** ***
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0004098 , L0004099
, L0004100 , L0004101 , L0004102 ,
, L0004103 , L0004104 , L0004105 , L0004106 , L0004107
, L0004108 , L0004109 , L0004110 ,
, L0004111 , L0004112 , L0004113 , L0004114 , L0004115
, L0004116 , L0004117 , L0004118 ,
, L0004119 , L0004120 , L0004121 , L0004122 , L0004123
, L0004124 , L0004125 , . . . ,

```

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M\*\*3

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```

Y-COORD | X-COORD (METERS)
(METERS) | 376457.22 376557.22 376657.22
376757.22 376857.22
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3780878.5 |    0.01591 (14091505)      0.01517 (12092222)      0.01454
(14092321)      0.01401 (13100502)      0.01373 (13070919)
3780778.5 |    0.01730 (13082904)      0.01660 (14091505)      0.01580
(14092321)      0.01516 (13070919)      0.01473 (13070919)
3780678.5 |    0.01914 (13082904)      0.01816 (14091505)      0.01725
(12092222)      0.01673 (13090421)      0.01632 (13090421)

```

3780578.5	0.02185 (15090923)	0.02052 (15080606)	0.01906
(12092222)	0.01863 (13090421)	0.01841 (13100423)	
3780478.5	0.02552 (15090923)	0.02380 (13082904)	0.02257
(12090904)	0.02189 (13072122)	0.02092 (15070106)	
3780378.5	0.02908 (15082605)	0.02848 (15090923)	0.02707
(16062002)	0.02520 (15101207)	0.02181 (16111908)	
3780278.5	0.03647 (13062921)	0.03255 (15082523)	0.03138
(16111908)	0.02820 (16111908)	0.02692 (16040207)	
3780178.5	0.05271 (14090822)	0.04708 (16040207)	0.04231
(16040207)	0.03785 (16092607)	0.03547 (16092607)	
3780078.5	0.09841 (15091106)	0.08187 (16092607)	0.07111
(16092607)	0.05699 (16062706)	0.05061 (16062706)	
3779978.5	0.18395 (12100107)	0.22104 (15040407)	0.19740
(16092407)	0.14853 (15092607)	0.10708 (15092607)	
3779878.5	0.07475 (13112820)	0.08568 (13112820)	0.10393
(13112820)	0.12487 (12082901)	0.17226 (14040507)	
3779778.5	0.05027 (13111323)	0.05436 (13111323)	0.05752
(14100221)	0.06304 (13090523)	0.07064 (12092307)	
3779678.5	0.03804 (13051401)	0.03960 (14081701)	0.04142
(12092307)	0.04075 (14052706)	0.03958 (13083002)	
3779578.5	0.02929 (16110918)	0.02889 (14051322)	0.03013
(12092707)	0.02916 (16092821)	0.03001 (13083002)	
3779478.5	0.02264 (12092707)	0.02287 (15092305)	0.02295
(15091924)	0.02294 (14091221)	0.02336 (13062904)	
3779378.5	0.01882 (16092821)	0.01915 (16092807)	0.01844
(13083001)	0.01906 (14091221)	0.01923 (15090924)	
3779278.5	0.01627 (16092807)	0.01593 (15080603)	0.01610
(14091623)	0.01455 (14070106)	0.01417 (15021808)	
3779178.5	0.01385 (15031324)	0.01422 (14091623)	0.01238
(16061924)	0.01222 (15021808)	0.01215 (16021608)	
3779078.5	0.01079 (14051320)	0.01106 (13071006)	0.01316
(16062001)	0.01401 (13090702)	0.01729 (12100107)	
3778978.5	0.01257 (15031324)	0.01288 (13083001)	0.01402
(12071005)	0.01533 (15062706)	0.01294 (12100107)	
3778878.5	0.01499 (14091405)	0.01509 (16040402)	0.01246
(12041805)	0.01476 (15072403)	0.00955 (12100107)	

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\*\*\* MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0004098 , L0004099  
 , L0004100 , L0004101 , L0004102 ,  
 , L0004103 , L0004104 , L0004105 , L0004106 , L0004107  
 , L0004108 , L0004109 , L0004110 ,

, L0004116 , L0004111 , L0004112 , L0004113 , L0004114 , L0004115  
 , L0004117 , L0004118 ,  
 , L0004124 , L0004119 , L0004120 , L0004121 , L0004122 , L0004123  
 , L0004125 , . . . ,

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

Y-COORD			X-COORD (METERS)
(METERS)	376957.22	377057.22	377157.22
	377257.22	377357.22	

3780878.5	0.01347 (13070919)	0.01331 (13090421)	0.01297
(13090421)	0.01131 (13011817)	0.01079 (13071021)	
3780778.5	0.01455 (13090421)	0.01432 (13090421)	0.01371
(13090421)	0.01330 (13100423)	0.01155 (15070106)	
3780678.5	0.01567 (13090421)	0.01533 (13100423)	0.01519
(15070106)	0.01478 (15070106)	0.01396 (15070106)	
3780578.5	0.01795 (15070106)	0.01760 (15070106)	0.01714
(15070106)	0.01630 (15070106)	0.01514 (15081522)	
3780478.5	0.02066 (14091220)	0.02005 (15101207)	0.01920
(15101207)	0.01891 (16111908)	0.01785 (16111908)	
3780378.5	0.02084 (16111908)	0.02090 (16111908)	0.02054
(16111908)	0.01950 (15091218)	0.01857 (15091218)	
3780278.5	0.02571 (15091218)	0.02447 (15091218)	0.02340
(14033007)	0.02236 (14033007)	0.02099 (14033007)	
3780178.5	0.03313 (16092607)	0.03101 (16092607)	0.02904
(16092607)	0.02736 (16062706)	0.02582 (16062706)	
3780078.5	0.04550 (16062706)	0.04123 (14112208)	0.03809
(14112208)	0.03550 (13021608)	0.03315 (13021608)	
3779978.5	0.08598 (15092607)	0.06089 (14112208)	0.05473
(14112208)	0.05263 (12040307)	0.06298 (13112308)	
3779878.5	0.23120 (15040407)	0.18951 (16021908)	0.16773
(16092607)	0.21041 (15092607)	0.18643 (16092407)	
3779778.5	0.07938 (15082806)	0.10274 (15082521)	0.09731
(14092307)	0.08869 (14092307)	0.07591 (16021708)	
3779678.5	0.04381 (13083002)	0.05093 (13083002)	0.05336
(13090424)	0.04655 (15101221)	0.04662 (14092307)	
3779578.5	0.03138 (14091221)	0.03178 (16081423)	0.03033
(16092507)	0.03198 (15012517)	0.03264 (14011717)	
3779478.5	0.02424 (15101024)	0.02515 (14092607)	0.02266
(14091419)	0.02402 (14091520)	0.02430 (15012517)	
3779378.5	0.01652 (15040307)	0.01739 (16092707)	0.01836
(16092707)	0.01878 (14091419)	0.02008 (14091520)	
3779278.5	0.01424 (13012417)	0.01461 (15040307)	0.01562

(16092707)	0.01616 (16092707)	0.02501 (13083002)	
3779178.5	0.01259 (16021608)	0.01299 (15040307)	0.01986
(15092702)	0.02098 (16031707)	0.02120 (14072406)	
3779078.5	0.01555 (12100107)	0.01594 (12100107)	0.01796
(12100107)	0.01202 (16031707)	0.01785 (14072406)	
3778978.5	0.01038 (12100107)	0.01041 (12100107)	0.01054
(12100107)	0.01068 (14051505)	0.01137 (16031707)	
3778878.5	0.00925 (12100107)	0.00961 (12100107)	0.00976
(12100107)	0.00944 (14091603)	0.01023 (13100704)	

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\*\*\* 17:22:02

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
VALUES FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S): L0004098 , L0004099  
, L0004100 , L0004101 , L0004102 ,  
, L0004103 , L0004104 , L0004105 , L0004106 , L0004107  
, L0004108 , L0004109 , L0004110 ,  
, L0004111 , L0004112 , L0004113 , L0004114 , L0004115  
, L0004116 , L0004117 , L0004118 ,  
, L0004119 , L0004120 , L0004121 , L0004122 , L0004123  
, L0004124 , L0004125 , . . . ,

\*\*\* NETWORK ID: OFFSITE ; NETWORK TYPE:

GRIDCART \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M\*\*3

\*\*

Y-COORD		X-COORD (METERS)
(METERS)	377457.22	

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-----

3780878.5	0.01202 (15101118)
3780778.5	0.01114 (15081522)
3780678.5	0.01216 (15081522)
3780578.5	0.01347 (15090919)
3780478.5	0.01535 (15091218)
3780378.5	0.01755 (15091218)
3780278.5	0.02008 (14033007)
3780178.5	0.02591 (13071019)
3780078.5	0.03654 (16112208)
3779978.5	0.08266 (15112308)
3779878.5	0.12106 (16092407)

3779778.5 | 0.06636 (16092907)  
 3779678.5 | 0.04477 (14092307)  
 3779578.5 | 0.03185 (15101221)  
 3779478.5 | 0.02548 (14011717)  
 3779378.5 | 0.03319 (12072006)  
 3779278.5 | 0.02850 (14072406)  
 3779178.5 | 0.02340 (14072406)  
 3779078.5 | 0.01416 (14111504)  
 3778978.5 | 0.01188 (13082704)  
 3778878.5 | 0.01079 (16031707)

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* C:\Lakes\AERMOD View\3700 Riverside  
 Drive\3700 Riverside Drive.isc \*\*\* 08/03/20  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 17:22:02

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0004098 , L0004099  
 , L0004100 , L0004101 , L0004102 ,  
 , L0004103 , L0004104 , L0004105 , L0004106 , L0004107  
 , L0004108 , L0004109 , L0004110 ,  
 , L0004111 , L0004112 , L0004113 , L0004114 , L0004115  
 , L0004116 , L0004117 , L0004118 ,  
 , L0004119 , L0004120 , L0004121 , L0004122 , L0004123  
 , L0004124 , L0004125 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

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\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup>

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
376419.51	3779855.19	0.06529 (12082901)	376424.51
3779855.19	0.06580 (12082901)		
376414.51	3779860.19	0.06604 (12082901)	376419.51
3779860.19	0.06653 (12082901)		
376424.51	3779860.19	0.06707 (12082901)	376429.51
3779860.19	0.06770 (12082901)		
376434.51	3779860.19	0.06825 (12082901)	376439.51
3779860.19	0.06869 (12082901)		
376414.51	3779865.19	0.06734 (12082901)	376419.51
3779865.19	0.06782 (12082901)		
376424.51	3779865.19	0.06831 (12082901)	376429.51

3779865.19	0.06891	(12082901)	
376434.51	3779865.19	0.06943	(12082901) 376439.51
3779865.19	0.06985	(12082901)	
376444.51	3779865.19	0.07018	(12082901) 376449.51
3779865.19	0.07048	(12082901)	
376414.51	3779870.19	0.06866	(12082901) 376419.51
3779870.19	0.06910	(12082901)	
376424.51	3779870.19	0.06954	(12082901) 376429.51
3779870.19	0.07010	(12082901)	
376434.51	3779870.19	0.07060	(12082901) 376439.51
3779870.19	0.07099	(12082901)	
376444.51	3779870.19	0.07139	(12082901) 376449.51
3779870.19	0.07179	(12082901)	
376454.51	3779870.19	0.07221	(12082901) 376459.51
3779870.19	0.07263	(12082901)	
376464.51	3779870.19	0.07305	(12082901) 376409.51
3779875.19	0.06943	(12082901)	
376414.51	3779875.19	0.06993	(12082901) 376419.51
3779875.19	0.07037	(12082901)	
376424.51	3779875.19	0.07080	(12082901) 376429.51
3779875.19	0.07131	(12082901)	
376434.51	3779875.19	0.07179	(12082901) 376439.51
3779875.19	0.07219	(12082901)	
376444.51	3779875.19	0.07260	(12082901) 376449.51
3779875.19	0.07302	(12082901)	
376454.51	3779875.19	0.07346	(12082901) 376459.51
3779875.19	0.07391	(12082901)	
376464.51	3779875.19	0.07442	(13091605) 376469.51
3779875.19	0.07486	(13091605)	
376474.51	3779875.19	0.07521	(12082901) 376409.51
3779880.19	0.07071	(12082901)	
376414.51	3779880.19	0.07124	(13091605) 376419.51
3779880.19	0.07173	(13091605)	
376424.51	3779880.19	0.07219	(13091605) 376429.51
3779880.19	0.07270	(13112820)	
376434.51	3779880.19	0.07322	(13112820) 376439.51
3779880.19	0.07368	(13112820)	
376444.51	3779880.19	0.07411	(13112820) 376449.51
3779880.19	0.07454	(13112820)	
376454.51	3779880.19	0.07503	(13112820) 376459.51
3779880.19	0.07557	(13112820)	
376464.51	3779880.19	0.07631	(13112820) 376469.51
3779880.19	0.07687	(13112820)	
376474.51	3779880.19	0.07724	(13112820) 376479.51
3779880.19	0.07753	(13112820)	
376484.51	3779880.19	0.07781	(13112820) 376404.51
3779885.19	0.07186	(13112820)	
376409.51	3779885.19	0.07233	(13112820) 376414.51
3779885.19	0.07289	(13112820)	
376419.51	3779885.19	0.07338	(13112820) 376424.51

3779885.19	0.07387	(13112820)		
376429.51	3779885.19	0.07439	(13112820)	376434.51
3779885.19	0.07492	(13112820)		
376439.51	3779885.19	0.07544	(13112820)	376444.51
3779885.19	0.07591	(13112820)		
376449.51	3779885.19	0.07631	(13112820)	376454.51
3779885.19	0.07684	(13112820)		
376459.51	3779885.19	0.07742	(13112820)	376464.51
3779885.19	0.07817	(13112820)		
376469.51	3779885.19	0.07879	(13112820)	376474.51
3779885.19	0.07931	(13112820)		
376479.51	3779885.19	0.07975	(13112820)	376484.51
3779885.19	0.08015	(13112820)		
376489.51	3779885.19	0.08038	(13112820)	376494.51
3779885.19	0.08060	(13112820)		
376499.51	3779885.19	0.08092	(13112820)	376404.51
3779890.19	0.07384	(13112820)		
376409.51	3779890.19	0.07424	(13112820)	376414.51
3779890.19	0.07461	(13112820)		

^ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\* C:\Lakes\AERMOD View\3700 Riverside  
 Drive\3700 Riverside Drive.isc \*\*\* 08/03/20  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 \*\*\*  
 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0004098 , L0004099  
 , L0004100 , L0004101 , L0004102 ,  
 , L0004103 , L0004104 , L0004105 , L0004106 , L0004107  
 , L0004108 , L0004109 , L0004110 ,  
 , L0004111 , L0004112 , L0004113 , L0004114 , L0004115  
 , L0004116 , L0004117 , L0004118 ,  
 , L0004119 , L0004120 , L0004121 , L0004122 , L0004123  
 , L0004124 , L0004125 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
376419.51	3779890.19	0.07505	(13112820)	376424.51
3779890.19	0.07553	(13112820)		

376429.51	3779890.19	0.07607	(13112820)	376434.51
3779890.19	0.07660	(13112820)		
376439.51	3779890.19	0.07720	(13112820)	376444.51
3779890.19	0.07769	(13112820)		
376449.51	3779890.19	0.07814	(13112820)	376454.51
3779890.19	0.07869	(13112820)		
376459.51	3779890.19	0.07928	(13112820)	376464.51
3779890.19	0.07998	(13112820)		
376469.51	3779890.19	0.08068	(13112820)	376474.51
3779890.19	0.08135	(13112820)		
376479.51	3779890.19	0.08195	(13112820)	376484.51
3779890.19	0.08253	(13112820)		
376489.51	3779890.19	0.08254	(13112820)	376494.51
3779890.19	0.08268	(13112820)		
376499.51	3779890.19	0.08318	(13112820)	376414.51
3779895.19	0.07657	(13112820)		
376419.51	3779895.19	0.07699	(13112820)	376424.51
3779895.19	0.07741	(13112820)		
376429.51	3779895.19	0.07793	(13112820)	376434.51
3779895.19	0.07847	(13112820)		
376439.51	3779895.19	0.07902	(13112820)	376444.51
3779895.19	0.07953	(13112820)		
376449.51	3779895.19	0.08001	(13112820)	376454.51
3779895.19	0.08060	(15042924)		
376459.51	3779895.19	0.08125	(15042924)	376464.51
3779895.19	0.08196	(15042924)		
376469.51	3779895.19	0.08267	(15042924)	376474.51
3779895.19	0.08338	(15042924)		
376479.51	3779895.19	0.08405	(12082006)	376484.51
3779895.19	0.08467	(12082006)		
376489.51	3779895.19	0.08474	(15042924)	376494.51
3779895.19	0.08499	(15042924)		
376429.51	3779900.19	0.08008	(15042924)	376434.51
3779900.19	0.08057	(15042924)		
376439.51	3779900.19	0.08105	(15042924)	376444.51
3779900.19	0.08155	(15042924)		
376449.51	3779900.19	0.08211	(15042924)	376454.51
3779900.19	0.08277	(15042924)		
376459.51	3779900.19	0.08352	(12082006)	376464.51
3779900.19	0.08431	(12082006)		
376469.51	3779900.19	0.08504	(12082006)	376474.51
3779900.19	0.08579	(12082006)		
376479.51	3779900.19	0.08640	(12082006)	376484.51
3779900.19	0.08699	(12082006)		
376489.51	3779900.19	0.08717	(12082006)	376494.51
3779900.19	0.08760	(12082006)		
376444.51	3779905.19	0.08408	(12082006)	376449.51
3779905.19	0.08466	(12082006)		
376454.51	3779905.19	0.08537	(12082006)	376459.51
3779905.19	0.08610	(12082006)		

376464.51	3779905.19	0.08679	(12082006)	376469.51
3779905.19	0.08750	(12082006)		
376474.51	3779905.19	0.08823	(12082006)	376479.51
3779905.19	0.08887	(12082006)		
376484.51	3779905.19	0.08948	(12082006)	376489.51
3779905.19	0.08998	(12082006)		
376454.51	3779910.19	0.08817	(12082006)	376459.51
3779910.19	0.08881	(12082006)		
376464.51	3779910.19	0.08944	(12082006)	376469.51
3779910.19	0.09006	(12082006)		
376474.51	3779910.19	0.09075	(12082006)	376479.51
3779910.19	0.09143	(12082006)		
376484.51	3779910.19	0.09216	(12082006)	376489.51
3779910.19	0.09298	(12082006)		
376469.51	3779915.19	0.09310	(12082006)	376474.51
3779915.19	0.09380	(12082006)		
376479.51	3779915.19	0.09456	(12082006)	376484.51
3779915.19	0.09534	(12082006)		
376489.51	3779915.19	0.09623	(12082006)	376484.51
3779920.19	0.09884	(12082006)		
376487.15	3779922.56	0.10105	(12082006)	376488.95
3779917.90	0.09800	(12082006)		
376490.75	3779913.25	0.09517	(12082006)	376492.55
3779908.60	0.09247	(12082006)		
376494.35	3779903.95	0.08980	(12082006)	376496.15
3779899.30	0.08737	(12082006)		
376497.95	3779894.65	0.08518	(15042924)	376499.74
3779890.00	0.08312	(13112820)		

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION  
 VALUES FOR SOURCE GROUP: ALL \*\*\*  
 INCLUDING SOURCE(S): L0004098 , L0004099  
 , L0004100 , L0004101 , L0004102 ,  
 L0004103 , L0004104 , L0004105 , L0004106 , L0004107  
 , L0004108 , L0004109 , L0004110 ,  
 L0004111 , L0004112 , L0004113 , L0004114 , L0004115  
 , L0004116 , L0004117 , L0004118 ,  
 L0004119 , L0004120 , L0004121 , L0004122 , L0004123  
 , L0004124 , L0004125 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
376501.54	3779885.35	0.08114	(13112820)	376497.05
3779883.39	0.07998	(13112820)		
376492.62	3779881.56	0.07905	(13112820)	376488.18
3779879.73	0.07793	(13112820)		
376483.74	3779877.90	0.07678	(13091605)	376479.31
3779876.08	0.07586	(12082901)		
376474.87	3779874.25	0.07495	(12082901)	376470.44
3779872.42	0.07411	(12082901)		
376466.00	3779870.59	0.07327	(12082901)	376461.57
3779868.76	0.07239	(12082901)		
376457.13	3779866.93	0.07151	(12082901)	376452.69
3779865.10	0.07068	(12082901)		
376448.26	3779863.28	0.06992	(12082901)	376443.82
3779861.45	0.06926	(12082901)		
376439.39	3779859.62	0.06853	(12082901)	376434.95
3779857.79	0.06767	(12082901)		
376430.52	3779855.96	0.06674	(12082901)	376426.08
3779854.13	0.06571	(12082901)		
376421.64	3779852.31	0.06476	(12082901)	376417.21
3779850.48	0.06387	(12082901)		
376417.08	3779850.53	0.06386	(12082901)	376415.34
3779854.99	0.06482	(12082901)		
376413.61	3779859.44	0.06578	(12082901)	376411.87
3779863.90	0.06676	(12082901)		
376410.13	3779868.35	0.06774	(12082901)	376408.40
3779872.81	0.06871	(12082901)		
376406.66	3779877.26	0.06968	(12082901)	376404.93
3779881.71	0.07071	(12082901)		
376403.19	3779886.17	0.07215	(13112820)	376401.46
3779890.62	0.07377	(13112820)		
376401.52	3779890.75	0.07383	(13112820)	376406.02
3779892.43	0.07485	(13112820)		
376410.52	3779894.11	0.07582	(13112820)	376415.02
3779895.78	0.07687	(13112820)		
376419.52	3779897.46	0.07795	(13112820)	376424.02
3779899.14	0.07909	(15042924)		
376428.52	3779900.81	0.08028	(15042924)	376433.02
3779902.49	0.08149	(12082006)		
376437.52	3779904.17	0.08278	(12082006)	376442.02
3779905.85	0.08415	(12082006)		
376446.52	3779907.52	0.08563	(12082006)	376451.02
3779909.20	0.08715	(12082006)		
376455.52	3779910.88	0.08868	(12082006)	376460.02

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3779912.55      0.09021 (12082006)
      376464.52  3779914.23      0.09182 (12082006)      376469.02
3779915.91      0.09351 (12082006)
      376473.52  3779917.58      0.09527 (12082006)      376478.02
3779919.26      0.09711 (12082006)
      376482.52  3779920.94      0.09907 (12082006)      376487.03
3779922.61      0.10107 (12082006)
      376401.55  3779890.66      0.07380 (13112820)      376487.06
3779922.52      0.10101 (12082006)
      376501.45  3779885.31      0.08111 (13112820)      376417.17
3779850.57      0.06389 (12082901)

```

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3

\*\*

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	
ALL	1ST HIGHEST VALUE IS	0.07781 AT (	376957.22, 3779878.52,
158.70,	541.30, 1.50) GC	OFFSITE	
	2ND HIGHEST VALUE IS	0.06944 AT (	376557.22, 3779978.52,
159.40,	541.30, 1.50) GC	OFFSITE	
	3RD HIGHEST VALUE IS	0.06927 AT (	376657.22, 3779978.52,
159.40,	541.30, 1.50) GC	OFFSITE	
	4TH HIGHEST VALUE IS	0.06782 AT (	377057.22, 3779878.52,
160.50,	541.30, 1.50) GC	OFFSITE	
	5TH HIGHEST VALUE IS	0.06635 AT (	375957.22, 3780078.52,
162.00,	541.30, 1.50) GC	OFFSITE	
	6TH HIGHEST VALUE IS	0.06565 AT (	376057.22, 3780078.52,
160.80,	541.30, 1.50) GC	OFFSITE	
	7TH HIGHEST VALUE IS	0.06537 AT (	376157.22, 3780078.52,
160.60,	541.30, 1.50) GC	OFFSITE	
	8TH HIGHEST VALUE IS	0.06122 AT (	375857.22, 3780078.52,
166.80,	541.30, 1.50) GC	OFFSITE	
	9TH HIGHEST VALUE IS	0.05921 AT (	376457.22, 3779978.52,

160.10, 541.30, 1.50) GC OFFSITE  
10TH HIGHEST VALUE IS 0.05898 AT ( 377157.22, 3779878.52,  
160.80, 541.30, 1.50) GC OFFSITE

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* C:\Lakes\AERMOD View\3700 Riverside  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF HIGHEST 1-HR  
RESULTS \*\*\*

\*\* CONC OF PM<sub>10</sub> IN MICROGRAMS/M<sup>3</sup>  
\*\*

GROUP ID	AVERAGE CONC	DATE	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	(YYMMDDHH)	
	GRID-ID		
-----			
-----			

ALL HIGH 1ST HIGH VALUE IS 0.25270 ON 15090823: AT ( 375857.22,  
3780078.52, 166.80, 541.30, 1.50) GC OFFSITE

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

▲ \*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* C:\Lakes\AERMOD View\3700 Riverside  
Drive\3700 Riverside Drive.isc \*\*\* 08/03/20

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ\_U\*

\*\*\* Message Summary : AERMOD Model Execution \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)  
A Total of 2 Warning Message(s)  
A Total of 713 Informational Message(s)  
  
A Total of 43848 Hours Were Processed  
  
A Total of 519 Calm Hours Identified  
  
A Total of 194 Missing Hours Identified ( 0.44 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186 760 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
0.50  
ME W187 760 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*  
\*\*\* AERMOD Finishes Successfully \*\*\*  
\*\*\*\*\*

HARP2 - HRACalc (dated 19044) 8/4/2020 1:39:40 PM - Output Log

GLCs loaded successfully  
Pollutants loaded successfully  
Pathway receptors set to 0  
\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: Cancer  
Calculation Method: Derived

\*\*\*\*\*  
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25  
Total Exposure Duration: 30

Exposure Duration Bin Distribution  
3rd Trimester Bin: 0.25  
0<2 Years Bin: 2  
2<9 Years Bin: 0  
2<16 Years Bin: 14  
16<30 Years Bin: 14  
16 to 70 Years Bin: 0

\*\*\*\*\*  
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: True  
Dermal: True  
Mother's milk: True  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*  
INHALATION

Daily breathing rate: LongTerm24HR

**\*\*Worker Adjustment Factors\*\***  
Worker adjustment factors enabled: NO

**\*\*Fraction at time at home\*\***  
3rd Trimester to 16 years: OFF  
16 years to 70 years: OFF

\*\*\*\*\*  
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05  
Soil mixing depth (m): 0.01  
Dermal climate: Mixed

\*\*\*\*\*  
TIER 2 SETTINGS  
Tier2 not used.

\*\*\*\*\*

Calculating cancer risk  
Cancer risk breakdown by pollutant and receptor saved to: C:\HARP2\Projects\3700  
RIVERSIDE\hra\ResidenceCancerCancerRisk.csv  
Cancer risk total by receptor saved to: C:\HARP2\Projects\3700  
RIVERSIDE\hra\ResidenceCancerCancerRiskSumByRec.csv  
HRA ran successfully

















HARP2 - HRACalc (dated 19044) 8/4/2020 1:38:49 PM - Output Log

GLCs loaded successfully  
Pollutants loaded successfully  
Pathway receptors set to 0  
\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Worker  
Scenario: Cancer  
Calculation Method: Derived

\*\*\*\*\*  
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16  
Total Exposure Duration: 25

Exposure Duration Bin Distribution  
3rd Trimester Bin: 0  
0<2 Years Bin: 0  
2<9 Years Bin: 0  
2<16 Years Bin: 0  
16<30 Years Bin: 0  
16 to 70 Years Bin: 25

\*\*\*\*\*  
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: True  
Dermal: True  
Mother's milk: False  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*  
INHALATION

Daily breathing rate: Moderate8HR

**\*\*Worker Adjustment Factors\*\***  
Worker adjustment factors enabled: NO

**\*\*Fraction at time at home\*\***  
3rd Trimester to 16 years: OFF  
16 years to 70 years: OFF

\*\*\*\*\*  
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05  
Soil mixing depth (m): 0.01  
Dermal climate: Mixed

\*\*\*\*\*  
TIER 2 SETTINGS  
Tier2 not used.

\*\*\*\*\*

Calculating cancer risk  
Cancer risk breakdown by pollutant and receptor saved to: C:\HARP2\Projects\3700  
RIVERSIDE\hra\WorkerCancerCancerRisk.csv  
Cancer risk total by receptor saved to: C:\HARP2\Projects\3700  
RIVERSIDE\hra\WorkerCancerCancerRiskSumByRec.csv  
HRA ran successfully

















HARP2 - HRACalc (dated 19044) 8/4/2020 1:41:00 PM - Output Log

GLCs loaded successfully  
Pollutants loaded successfully  
Pathway receptors set to 0  
\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: NCChronic  
Calculation Method: Derived

\*\*\*\*\*  
EXPOSURE DURATION PARAMETERS FOR CANCER  
\*\*Exposure duration are only adjusted for cancer assessments\*\*

\*\*\*\*\*  
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: True  
Dermal: True  
Mother's milk: True  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*  
INHALATION

Daily breathing rate: LongTerm24HR

\*\*Worker Adjustment Factors\*\*  
Worker adjustment factors enabled: NO

\*\*Fraction at time at home\*\*  
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

\*\*\*\*\*  
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05  
Soil mixing depth (m): 0.01  
Dermal climate: Mixed

\*\*\*\*\*

TIER 2 SETTINGS  
Tier2 not used.

\*\*\*\*\*

Calculating chronic risk  
Chronic risk breakdown by pollutant and receptor saved to: C:\HARP2\Projects\3700  
RIVERSIDE\hra\NonCancerNCChronicRisk.csv  
Chronic risk total by receptor saved to: C:\HARP2\Projects\3700  
RIVERSIDE\hra\NonCancerNCChronicRiskSumByRec.csv  
HRA ran successfully















HARP2 - HRACalc (dated 19044) 8/4/2020 1:41:57 PM - Output Log

GLCs loaded successfully  
Pollutants loaded successfully  
Pathway receptors set to 0  
\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: NCAcute  
Calculation Method: Derived

\*\*\*\*\*  
EXPOSURE DURATION PARAMETERS FOR CANCER  
\*\*Exposure duration are only adjusted for cancer assessments\*\*

\*\*\*\*\*  
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: False  
Dermal: False  
Mother's milk: False  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*  
INHALATION

Daily breathing rate: LongTerm24HR

\*\*Worker Adjustment Factors\*\*  
Worker adjustment factors enabled: NO

\*\*Fraction at time at home\*\*  
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

\*\*\*\*\*  
TIER 2 SETTINGS  
Tier2 not used.

\*\*\*\*\*

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to: C:\HARP2\Projects\3700  
RIVERSIDE\hra\AcuteNCAcuteRisk.csv

Acute risk total by receptor saved to: C:\HARP2\Projects\3700  
RIVERSIDE\hra\AcuteNCAcuteRiskSumByRec.csv

HRA ran successfully













