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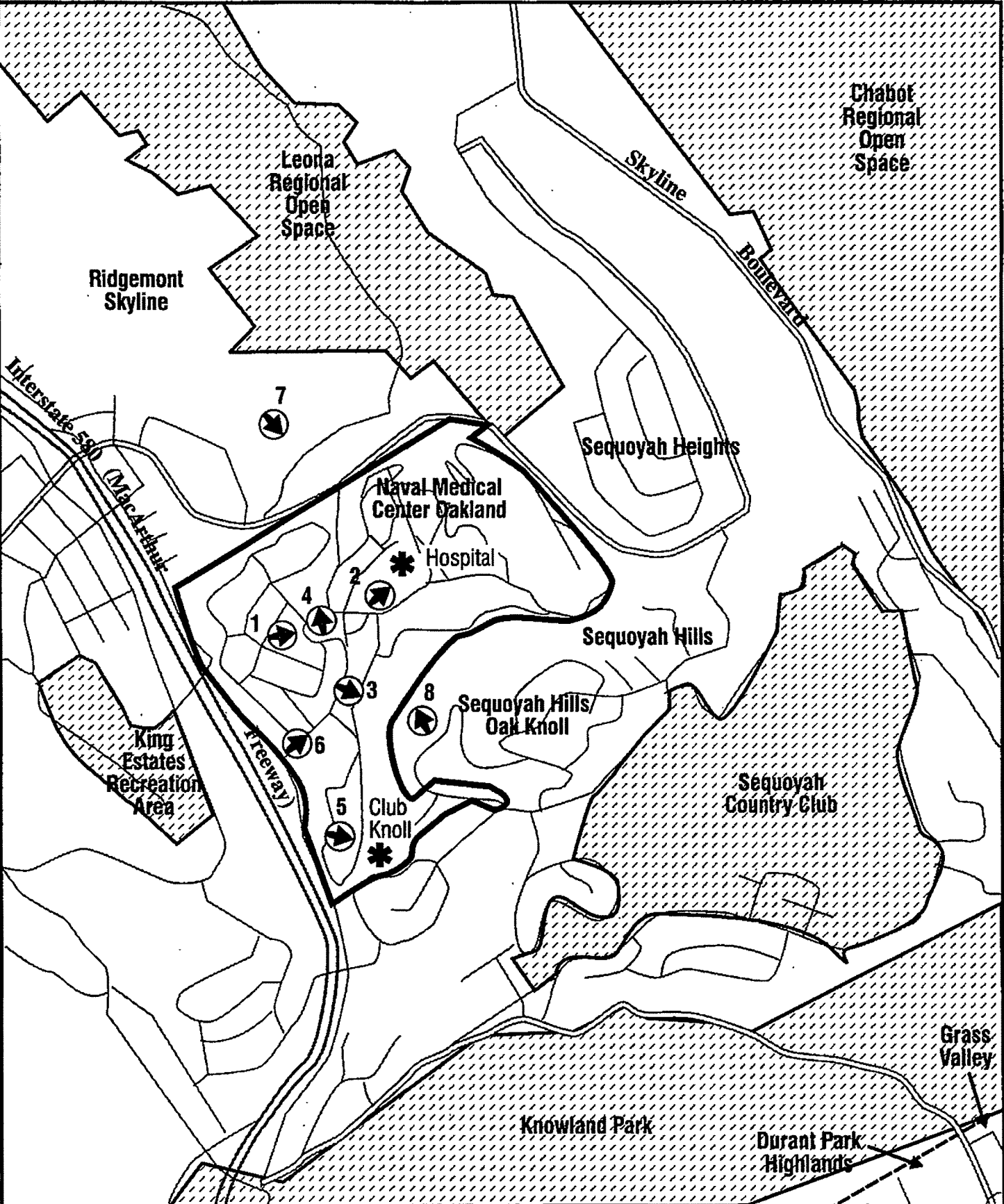
APPENDIX C

PHOTOGRAPHS

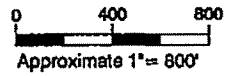
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## APPENDIX C PHOTOGRAPHS


The following photographs show views of NMCO and the surrounding areas. The photographs are meant to be used in conjunction with Section 3.5 of this document, Aesthetics and Scenic Resources, and Figure C-1, Photopoint Locations. Section 3.5 describes the photographs in detail. Figure C-1 shows the location at which, and direction in which, each photograph was taken. The numbered arrows correspond to the number of the photograph.




The numbered arrows correspond to the photograph numbers.



**LEGEND:**

 Major Open Space Areas

 8 Photopoint direction and view

**Photopoint Locations**

Naval Medical Center Oakland

**Figure C-1**

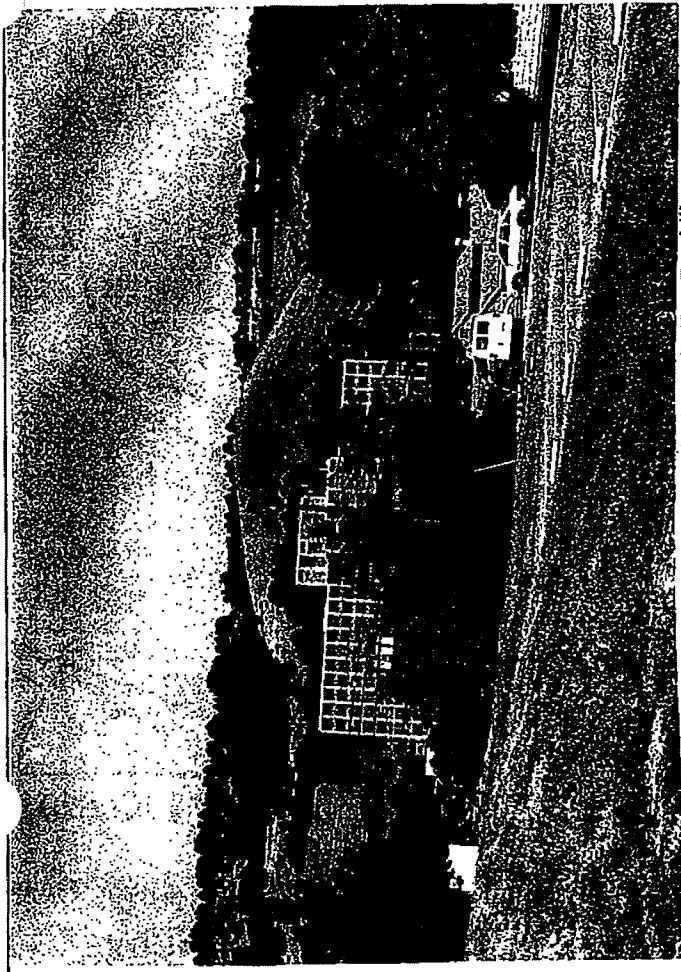


Photo 1: View east across NMCO site at the East Bay hills.

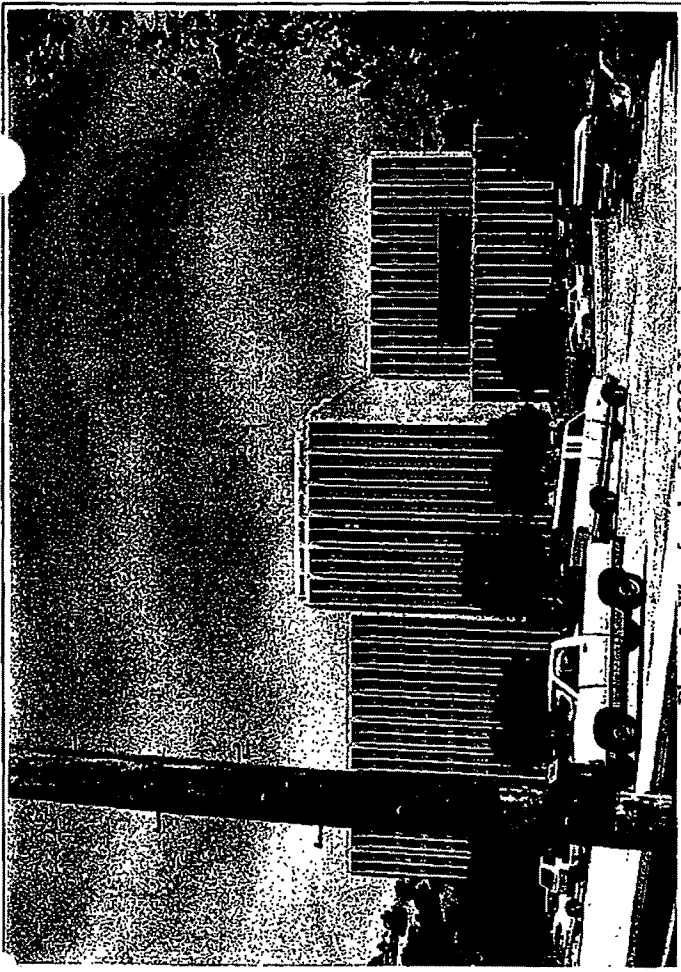


Photo 2: West facade of NMCO Hospital.



Photo 3: Rifle Range Creek riparian corridor.

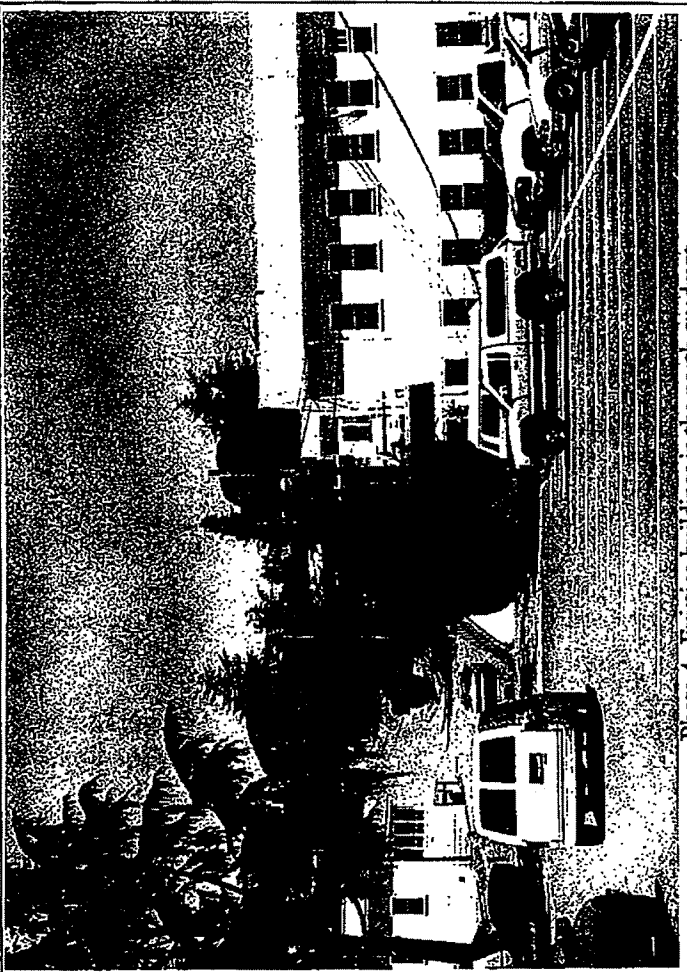
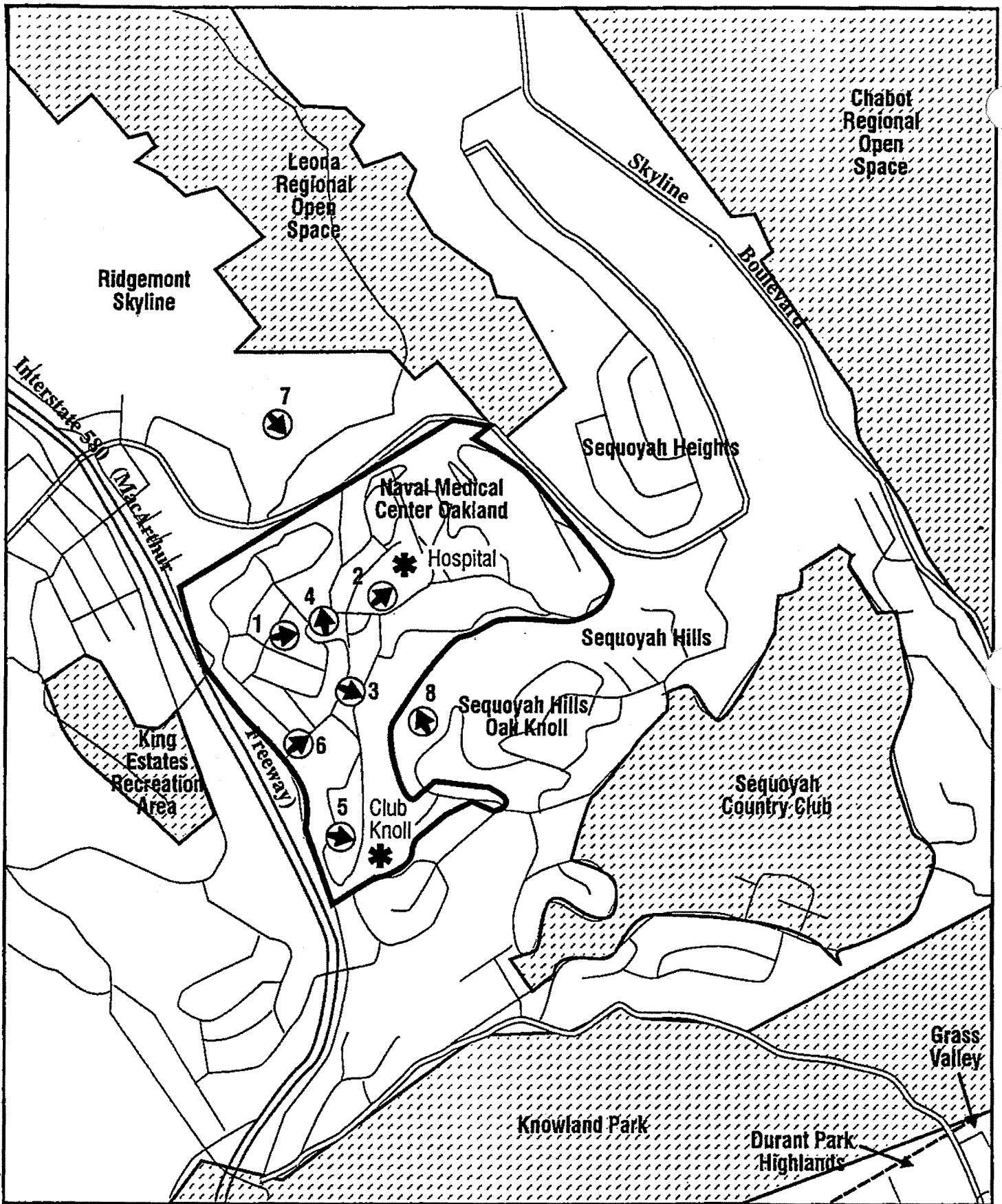
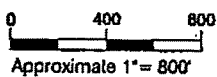


Photo 4: Existing buildings in the north quadrant.



04300photo.cdr - 1/9/86 - EH

The numbered arrows correspond to the photograph numbers.



**LEGEND:**



Major Open Space Areas



8 Photopoint direction and view

**Photopoint Locations**

Naval Medical Center Oakland

**Figure C-1**

Developed by: EDAW Inc, 1995



Photo 6: View northeast along Blackwood Street near the Mountain Boulevard Entrance.

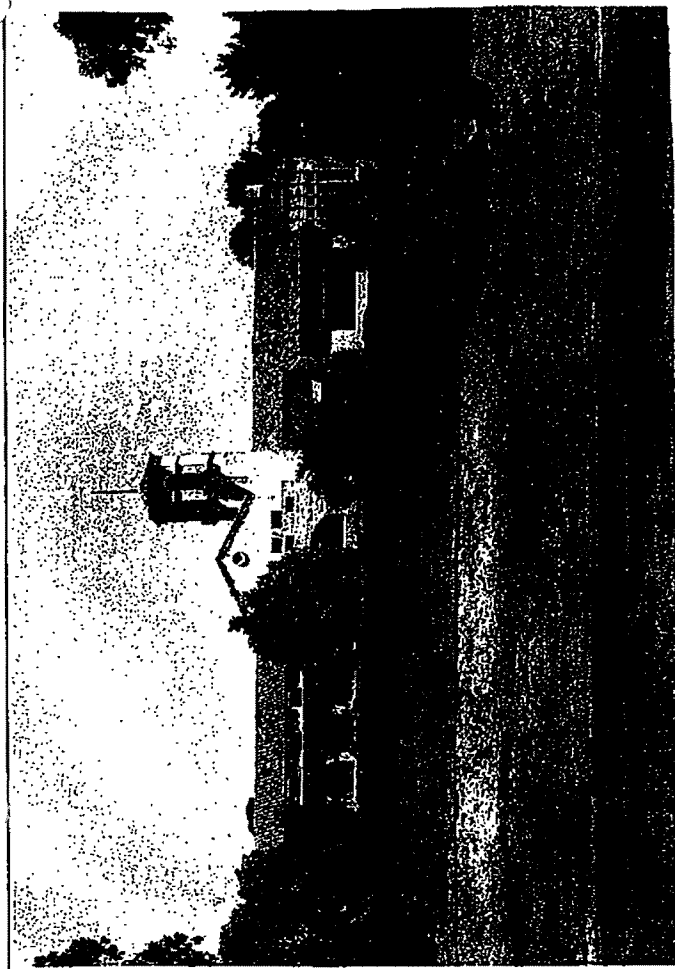


Photo 5: View of Club Knoll from the west.

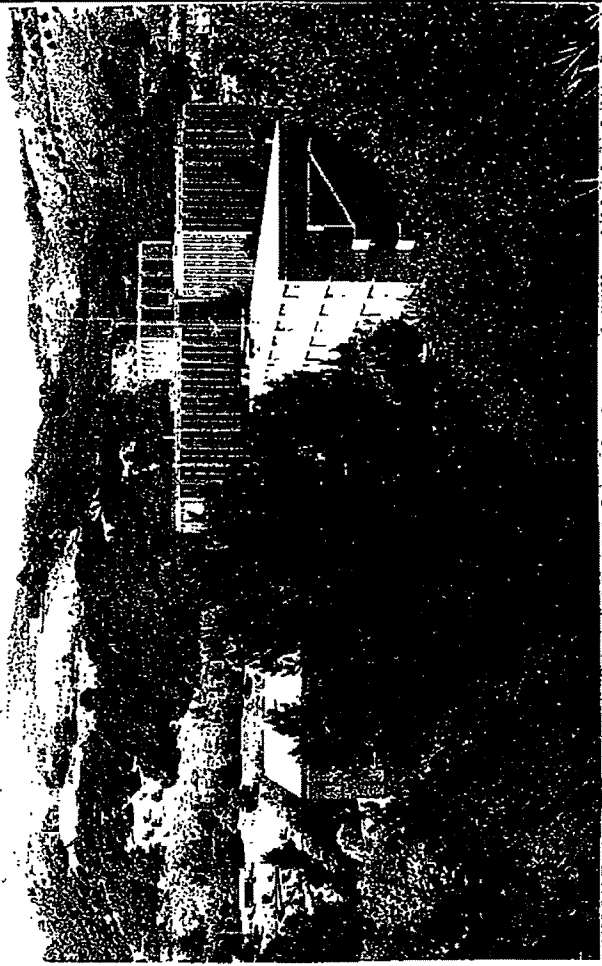


Photo 8: View north over NMCO from the Sequoyah Hills neighborhood.

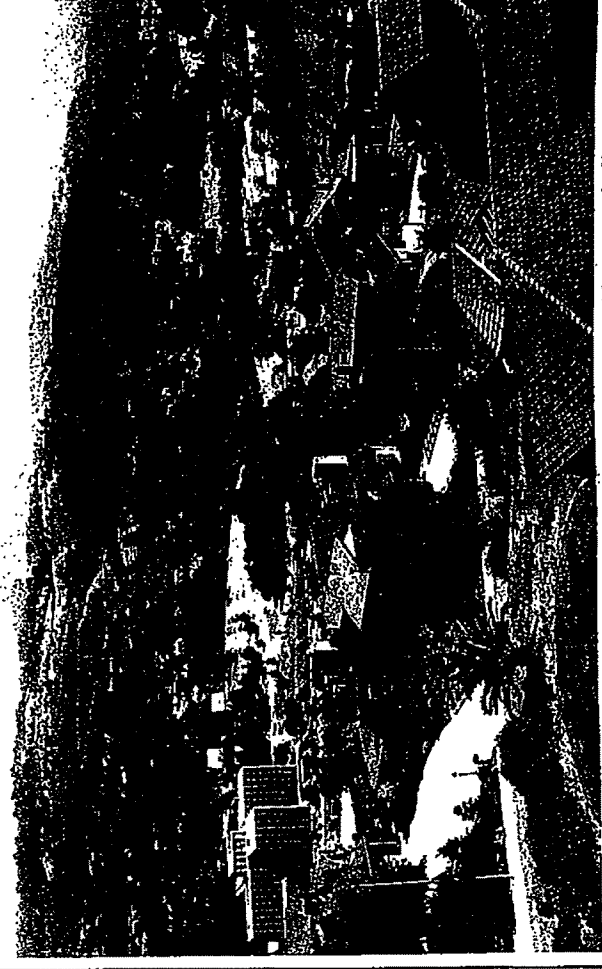


Photo 7: View south over NMCO from homes on Ridgemoor Skyline.

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## Oak Knoll Phase I - Off-Site Hauling Alameda County, Annual

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	10.30	Acre	10.30	448,668.00	0
Parking Lot	87.21	1000sqft	2.00	87,210.00	0
City Park	23.90	Acre	23.90	1,041,084.00	0
Health Club	14.00	1000sqft	2.80	14,000.00	0
High Turnover (Sit Down Restaurant)	6.00	1000sqft	0.55	6,000.00	0
Condo/Townhouse	232.00	Dwelling Unit	13.00	232,000.00	664
Single Family Housing	100.00	Dwelling Unit	9.20	180,000.00	286
Supermarket	66.00	1000sqft	6.05	66,000.00	0

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	63
<b>Climate Zone</b>	5			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<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 - Updated project specific data.

Construction Phase - Project specific construction schedule.

Off-road Equipment - Project specific info for on-site material crushing.

Trips and VMT - Hauling trips provided by applicant.

Demolition -

Grading - Project specific information.

Architectural Coating -

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation - BAAQMD Basic Construction Mitigation.

Table Name	Column Name	Default Value	New Value
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tblConstructionPhase	NumDays	110.00	111.00
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tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/30/2017	8/7/2017
tblConstructionPhase	PhaseStartDate	7/15/2017	6/22/2017
tblGrading	AcresOfGrading	277.50	67.60
tblGrading	AcresOfGrading	0.00	67.60
tblGrading	MaterialExported	0.00	5,500.00
tblLandUse	LotAcreage	0.32	2.80

tblLandUse	LotAcreage	0.14	0.55
tblLandUse	LotAcreage	14.50	13.00
tblLandUse	LotAcreage	32.47	9.20
tblLandUse	LotAcreage	1.52	6.05
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tblSequestration	NumberOfNewTrees	0.00	910.00
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tblTripsAndVMT	HaulingTripNumber	688.00	780.00
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tblVehicleEF	LDT2	3.7820e-003	3.1420e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.39	0.44
tblVehicleEF	LDT2	0.12	0.17
tblVehicleEF	LDT2	4.6410e-003	4.6450e-003
tblVehicleEF	LDT2	1.0380e-003	1.0470e-003

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.39	0.44
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	6.6260e-003	9.4410e-003
tblVehicleEF	LDT2	0.95	1.20
tblVehicleEF	LDT2	1.20	1.66
tblVehicleEF	LDT2	360.96	379.89
tblVehicleEF	LDT2	73.52	77.51
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.12	0.18
tblVehicleEF	LDT2	1.8300e-003	1.7470e-003
tblVehicleEF	LDT2	4.0760e-003	3.3870e-003
tblVehicleEF	LDT2	1.6980e-003	1.6200e-003
tblVehicleEF	LDT2	3.7820e-003	3.1420e-003
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.36	0.40
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	5.0120e-003	5.0160e-003
tblVehicleEF	LDT2	1.0270e-003	1.0330e-003
tblVehicleEF	LDT2	0.10	0.11

tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.36	0.40
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	6.6260e-003	9.4410e-003
tblVehicleEF	LDT2	0.80	1.02
tblVehicleEF	LDT2	2.23	3.08
tblVehicleEF	LDT2	331.81	349.26
tblVehicleEF	LDT2	73.52	77.51
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.11	0.14
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	1.8300e-003	1.7470e-003
tblVehicleEF	LDT2	4.0760e-003	3.3870e-003
tblVehicleEF	LDT2	1.6980e-003	1.6200e-003
tblVehicleEF	LDT2	3.7820e-003	3.1420e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.47	0.53
tblVehicleEF	LDT2	0.14	0.20
tblVehicleEF	LDT2	4.6040e-003	4.6080e-003
tblVehicleEF	LDT2	1.0450e-003	1.0570e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.12	0.14

tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.47	0.53
tblVehicleEF	LDT2	0.15	0.21
tblVehicleEF	LHD1	1.1880e-003	1.2340e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.18
tblVehicleEF	LHD1	1.07	1.58
tblVehicleEF	LHD1	3.85	4.68
tblVehicleEF	LHD1	760.22	760.62
tblVehicleEF	LHD1	40.00	39.57
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.81	1.09
tblVehicleEF	LHD1	1.19	1.31
tblVehicleEF	LHD1	5.5800e-004	5.7600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	9.3700e-004
tblVehicleEF	LHD1	5.1400e-004	5.3000e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	8.6700e-004
tblVehicleEF	LHD1	1.8220e-003	2.0040e-003
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.1450e-003	1.1820e-003
tblVehicleEF	LHD1	0.10	0.15



tblVehicleEF	LHD1	0.43	0.45
tblVehicleEF	LHD1	0.31	0.40
tblVehicleEF	LHD1	8.3820e-003	8.3950e-003
tblVehicleEF	LHD1	5.1400e-004	5.2500e-004
tblVehicleEF	LHD1	1.8220e-003	2.0040e-003
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.1450e-003	1.1820e-003
tblVehicleEF	LHD1	0.12	0.17
tblVehicleEF	LHD1	0.43	0.45
tblVehicleEF	LHD1	0.33	0.43
tblVehicleEF	LHD1	1.1880e-003	1.2340e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.18
tblVehicleEF	LHD1	1.10	1.63
tblVehicleEF	LHD1	2.63	3.17
tblVehicleEF	LHD1	760.22	760.62
tblVehicleEF	LHD1	40.00	39.57
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.76	1.03
tblVehicleEF	LHD1	1.11	1.22
tblVehicleEF	LHD1	5.5800e-004	5.7600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	9.3700e-004
tblVehicleEF	LHD1	5.1400e-004	5.3000e-004

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	8.6700e-004
tblVehicleEF	LHD1	4.4840e-003	5.0680e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4580e-003	2.6460e-003
tblVehicleEF	LHD1	0.10	0.15
tblVehicleEF	LHD1	0.41	0.44
tblVehicleEF	LHD1	0.25	0.32
tblVehicleEF	LHD1	8.3820e-003	8.3960e-003
tblVehicleEF	LHD1	4.9300e-004	4.9900e-004
tblVehicleEF	LHD1	4.4840e-003	5.0680e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4580e-003	2.6460e-003
tblVehicleEF	LHD1	0.12	0.18
tblVehicleEF	LHD1	0.41	0.44
tblVehicleEF	LHD1	0.27	0.34
tblVehicleEF	LHD1	1.1880e-003	1.2340e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.18
tblVehicleEF	LHD1	1.05	1.55
tblVehicleEF	LHD1	4.94	6.02
tblVehicleEF	LHD1	760.22	760.62
tblVehicleEF	LHD1	40.00	39.57
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.05	0.05

tblVehicleEF	LHD1	0.83	1.12
tblVehicleEF	LHD1	1.25	1.39
tblVehicleEF	LHD1	5.5800e-004	5.7600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	9.3700e-004
tblVehicleEF	LHD1	5.1400e-004	5.3000e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	8.6700e-004
tblVehicleEF	LHD1	7.7500e-004	7.8900e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	5.6100e-004	5.5300e-004
tblVehicleEF	LHD1	0.10	0.14
tblVehicleEF	LHD1	0.48	0.50
tblVehicleEF	LHD1	0.36	0.47
tblVehicleEF	LHD1	8.3820e-003	8.3940e-003
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tblVehicleEF	LHD1	7.7500e-004	7.8900e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	5.6100e-004	5.5300e-004
tblVehicleEF	LHD1	0.12	0.17
tblVehicleEF	LHD1	0.48	0.50
tblVehicleEF	LHD1	0.39	0.50
tblVehicleEF	LHD2	9.3200e-004	9.6400e-004
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7060e-003	0.01

tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.79	1.09
tblVehicleEF	LHD2	2.22	2.76
tblVehicleEF	LHD2	657.39	658.41
tblVehicleEF	LHD2	26.95	26.60
tblVehicleEF	LHD2	4.5480e-003	4.5640e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.16	1.59
tblVehicleEF	LHD2	0.73	0.82
tblVehicleEF	LHD2	1.1160e-003	1.1420e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1900e-004	5.0100e-004
tblVehicleEF	LHD2	1.0270e-003	1.0510e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.5360e-003	2.5350e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.9600e-004	4.6400e-004
tblVehicleEF	LHD2	9.8400e-004	1.1630e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.3700e-004	6.8900e-004
tblVehicleEF	LHD2	0.09	0.13
tblVehicleEF	LHD2	0.24	0.30
tblVehicleEF	LHD2	0.17	0.23
tblVehicleEF	LHD2	7.1750e-003	7.1900e-003
tblVehicleEF	LHD2	3.3900e-004	3.4600e-004

tblVehicleEF	LHD2	9.8400e-004	1.1630e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.3700e-004	6.8900e-004
tblVehicleEF	LHD2	0.11	0.15
tblVehicleEF	LHD2	0.24	0.30
tblVehicleEF	LHD2	0.18	0.25
tblVehicleEF	LHD2	9.3200e-004	9.6400e-004
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7060e-003	0.01
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.80	1.11
tblVehicleEF	LHD2	1.52	1.89
tblVehicleEF	LHD2	657.39	658.41
tblVehicleEF	LHD2	26.95	26.60
tblVehicleEF	LHD2	4.5480e-003	4.5640e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.11	1.53
tblVehicleEF	LHD2	0.67	0.76
tblVehicleEF	LHD2	1.1160e-003	1.1420e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1900e-004	5.0100e-004
tblVehicleEF	LHD2	1.0270e-003	1.0510e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.5360e-003	2.5350e-003
tblVehicleEF	LHD2	0.02	0.02

tblVehicleEF	LHD2	2.9600e-004	4.6400e-004
tblVehicleEF	LHD2	2.4020e-003	2.9310e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3550e-003	1.5390e-003
tblVehicleEF	LHD2	0.09	0.13
tblVehicleEF	LHD2	0.24	0.29
tblVehicleEF	LHD2	0.14	0.19
tblVehicleEF	LHD2	7.1750e-003	7.1910e-003
tblVehicleEF	LHD2	3.2700e-004	3.3100e-004
tblVehicleEF	LHD2	2.4020e-003	2.9310e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3550e-003	1.5390e-003
tblVehicleEF	LHD2	0.11	0.15
tblVehicleEF	LHD2	0.24	0.29
tblVehicleEF	LHD2	0.15	0.20
tblVehicleEF	LHD2	9.3200e-004	9.6400e-004
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7060e-003	0.01
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.79	1.08
tblVehicleEF	LHD2	2.84	3.54
tblVehicleEF	LHD2	657.39	658.41
tblVehicleEF	LHD2	26.95	26.60
tblVehicleEF	LHD2	4.5480e-003	4.5640e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.18	1.63

tblVehicleEF	LHD2	0.77	0.86
tblVehicleEF	LHD2	1.1160e-003	1.1420e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1900e-004	5.0100e-004
tblVehicleEF	LHD2	1.0270e-003	1.0510e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.5360e-003	2.5350e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.9600e-004	4.6400e-004
tblVehicleEF	LHD2	4.3500e-004	4.6700e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1800e-004	3.2900e-004
tblVehicleEF	LHD2	0.09	0.13
tblVehicleEF	LHD2	0.27	0.34
tblVehicleEF	LHD2	0.20	0.27
tblVehicleEF	LHD2	7.1750e-003	7.1900e-003
tblVehicleEF	LHD2	3.5000e-004	3.5900e-004
tblVehicleEF	LHD2	4.3500e-004	4.6700e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1800e-004	3.2900e-004
tblVehicleEF	LHD2	0.11	0.15
tblVehicleEF	LHD2	0.27	0.34
tblVehicleEF	LHD2	0.21	0.29
tblVehicleEF	MCY	24.39	25.63

tblVehicleEF	MCY	11.21	11.07
tblVehicleEF	MCY	150.64	148.31
tblVehicleEF	MCY	37.25	38.43
tblVehicleEF	MCY	5.6760e-003	5.6840e-003
tblVehicleEF	MCY	1.23	1.24
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	2.8600e-004	3.7200e-004
tblVehicleEF	MCY	7.7900e-004	1.0700e-003
tblVehicleEF	MCY	2.4500e-004	3.1100e-004
tblVehicleEF	MCY	6.6600e-004	8.8300e-004
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	0.35	0.37
tblVehicleEF	MCY	0.33	0.33
tblVehicleEF	MCY	2.67	2.71
tblVehicleEF	MCY	1.22	1.34
tblVehicleEF	MCY	2.23	2.27
tblVehicleEF	MCY	2.1400e-003	2.1350e-003
tblVehicleEF	MCY	6.6000e-004	6.7200e-004
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	0.35	0.37
tblVehicleEF	MCY	0.33	0.33
tblVehicleEF	MCY	2.92	2.97
tblVehicleEF	MCY	1.22	1.34
tblVehicleEF	MCY	2.39	2.43
tblVehicleEF	MCY	22.97	24.10
tblVehicleEF	MCY	8.82	8.79
tblVehicleEF	MCY	150.64	148.31
tblVehicleEF	MCY	37.25	38.43



tblVehicleEF	MCY	5.6760e-003	5.6840e-003
tblVehicleEF	MCY	1.07	1.08
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.8600e-004	3.7200e-004
tblVehicleEF	MCY	7.7900e-004	1.0700e-003
tblVehicleEF	MCY	2.4500e-004	3.1100e-004
tblVehicleEF	MCY	6.6600e-004	8.8300e-004
tblVehicleEF	MCY	1.80	1.81
tblVehicleEF	MCY	0.52	0.54
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	2.57	2.60
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	1.79	1.81
tblVehicleEF	MCY	2.1150e-003	2.1080e-003
tblVehicleEF	MCY	6.0900e-004	6.2200e-004
tblVehicleEF	MCY	1.80	1.81
tblVehicleEF	MCY	0.52	0.54
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	2.81	2.85
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	1.92	1.94
tblVehicleEF	MCY	26.55	27.96
tblVehicleEF	MCY	13.38	13.16
tblVehicleEF	MCY	150.64	148.31
tblVehicleEF	MCY	37.25	38.43
tblVehicleEF	MCY	5.6760e-003	5.6840e-003
tblVehicleEF	MCY	1.31	1.33
tblVehicleEF	MCY	0.34	0.34

tblVehicleEF	MCY	2.8600e-004	3.7200e-004
tblVehicleEF	MCY	7.7900e-004	1.0700e-003
tblVehicleEF	MCY	2.4500e-004	3.1100e-004
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tblVehicleEF	MCY	0.14	0.14
tblVehicleEF	MCY	0.41	0.43
tblVehicleEF	MCY	0.10	0.10
tblVehicleEF	MCY	2.77	2.83
tblVehicleEF	MCY	1.53	1.66
tblVehicleEF	MCY	2.61	2.66
tblVehicleEF	MCY	2.1770e-003	2.1750e-003
tblVehicleEF	MCY	7.0600e-004	7.1800e-004
tblVehicleEF	MCY	0.14	0.14
tblVehicleEF	MCY	0.41	0.43
tblVehicleEF	MCY	0.10	0.10
tblVehicleEF	MCY	3.03	3.09
tblVehicleEF	MCY	1.53	1.66
tblVehicleEF	MCY	2.80	2.86
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.38	1.86
tblVehicleEF	MDV	3.86	5.08
tblVehicleEF	MDV	447.62	469.15
tblVehicleEF	MDV	98.69	103.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.20	0.27
tblVehicleEF	MDV	0.32	0.43
tblVehicleEF	MDV	2.0280e-003	2.1340e-003

tblVehicleEF	MDV	4.0140e-003	3.7390e-003
tblVehicleEF	MDV	1.8810e-003	1.9730e-003
tblVehicleEF	MDV	3.7240e-003	3.4600e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.05
tblVehicleEF	MDV	0.64	0.68
tblVehicleEF	MDV	0.30	0.41
tblVehicleEF	MDV	5.9290e-003	5.9270e-003
tblVehicleEF	MDV	1.3450e-003	1.3610e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.64	0.68
tblVehicleEF	MDV	0.32	0.44
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.62	2.15
tblVehicleEF	MDV	2.55	3.38
tblVehicleEF	MDV	482.76	505.78
tblVehicleEF	MDV	98.69	103.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.17	0.23
tblVehicleEF	MDV	0.28	0.38
tblVehicleEF	MDV	2.0280e-003	2.1340e-003
tblVehicleEF	MDV	4.0140e-003	3.7390e-003

tblVehicleEF	MDV	1.8810e-003	1.9730e-003
tblVehicleEF	MDV	3.7240e-003	3.4600e-003
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.22	0.23
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.60	0.63
tblVehicleEF	MDV	0.23	0.31
tblVehicleEF	MDV	6.3980e-003	6.3950e-003
tblVehicleEF	MDV	1.3220e-003	1.3310e-003
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.22	0.23
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.60	0.63
tblVehicleEF	MDV	0.24	0.33
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.36	1.87
tblVehicleEF	MDV	4.74	6.23
tblVehicleEF	MDV	444.10	465.49
tblVehicleEF	MDV	98.69	103.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.21	0.29
tblVehicleEF	MDV	0.35	0.47
tblVehicleEF	MDV	2.0280e-003	2.1340e-003
tblVehicleEF	MDV	4.0140e-003	3.7390e-003
tblVehicleEF	MDV	1.8810e-003	1.9730e-003

tblVehicleEF	MDV	3.7240e-003	3.4600e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.03	0.05
tblVehicleEF	MDV	0.78	0.82
tblVehicleEF	MDV	0.35	0.48
tblVehicleEF	MDV	5.8820e-003	5.8810e-003
tblVehicleEF	MDV	1.3600e-003	1.3810e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.78	0.82
tblVehicleEF	MDV	0.38	0.52
tblVehicleEF	MH	1.01	2.33
tblVehicleEF	MH	6.18	8.22
tblVehicleEF	MH	665.11	664.76
tblVehicleEF	MH	28.78	28.97
tblVehicleEF	MH	1.4000e-003	1.4180e-003
tblVehicleEF	MH	1.03	1.34
tblVehicleEF	MH	0.67	0.81
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	8.2600e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	7.5600e-004

tblVehicleEF	MH	0.56	0.77
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.06	0.10
tblVehicleEF	MH	1.29	1.92
tblVehicleEF	MH	0.32	0.44
tblVehicleEF	MH	7.3310e-003	7.3500e-003
tblVehicleEF	MH	4.2600e-004	4.6400e-004
tblVehicleEF	MH	0.56	0.77
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.08	0.13
tblVehicleEF	MH	1.29	1.92
tblVehicleEF	MH	0.34	0.47
tblVehicleEF	MH	1.05	2.42
tblVehicleEF	MH	4.17	5.43
tblVehicleEF	MH	665.11	664.76
tblVehicleEF	MH	28.78	28.97
tblVehicleEF	MH	1.4000e-003	1.4180e-003
tblVehicleEF	MH	0.96	1.24
tblVehicleEF	MH	0.62	0.75
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	8.2600e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	7.5600e-004
tblVehicleEF	MH	1.37	1.92

tblVehicleEF	MH	0.06	0.08
tblVehicleEF	MH	0.51	0.66
tblVehicleEF	MH	0.06	0.11
tblVehicleEF	MH	1.25	1.86
tblVehicleEF	MH	0.25	0.34
tblVehicleEF	MH	7.3320e-003	7.3510e-003
tblVehicleEF	MH	3.9300e-004	4.1700e-004
tblVehicleEF	MH	1.37	1.92
tblVehicleEF	MH	0.06	0.08
tblVehicleEF	MH	0.51	0.66
tblVehicleEF	MH	0.08	0.13
tblVehicleEF	MH	1.25	1.86
tblVehicleEF	MH	0.27	0.36
tblVehicleEF	MH	0.98	2.28
tblVehicleEF	MH	7.96	10.73
tblVehicleEF	MH	665.11	664.76
tblVehicleEF	MH	28.78	28.97
tblVehicleEF	MH	1.4000e-003	1.4180e-003
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tblVehicleEF	MH	0.71	0.85
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	8.2600e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	7.5600e-004
tblVehicleEF	MH	0.23	0.28
tblVehicleEF	MH	0.06	0.09

tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.06	0.10
tblVehicleEF	MH	1.40	2.07
tblVehicleEF	MH	0.37	0.52
tblVehicleEF	MH	7.3310e-003	7.3490e-003
tblVehicleEF	MH	4.5600e-004	5.0600e-004
tblVehicleEF	MH	0.23	0.28
tblVehicleEF	MH	0.06	0.09
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.08	0.13
tblVehicleEF	MH	1.40	2.07
tblVehicleEF	MH	0.40	0.56
tblVehicleEF	MHD	8.2190e-003	7.6250e-003
tblVehicleEF	MHD	4.7320e-003	5.4130e-003
tblVehicleEF	MHD	2.09	1.91
tblVehicleEF	MHD	0.49	0.68
tblVehicleEF	MHD	13.77	18.36
tblVehicleEF	MHD	572.65	572.01
tblVehicleEF	MHD	1,004.94	1,006.95
tblVehicleEF	MHD	49.32	49.71
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.33	4.63
tblVehicleEF	MHD	0.99	1.86
tblVehicleEF	MHD	1.43	1.81
tblVehicleEF	MHD	7.6380e-003	0.01
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.05



tblVehicleEF	MHD	1.0610e-003	1.6720e-003
tblVehicleEF	MHD	7.0270e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8910e-003	2.8860e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	9.8500e-004	1.5290e-003
tblVehicleEF	MHD	1.5750e-003	1.8870e-003
tblVehicleEF	MHD	0.08	0.09
tblVehicleEF	MHD	0.18	0.16
tblVehicleEF	MHD	9.7900e-004	1.0890e-003
tblVehicleEF	MHD	0.11	0.13
tblVehicleEF	MHD	0.44	0.50
tblVehicleEF	MHD	0.76	1.03
tblVehicleEF	MHD	6.0700e-003	6.0640e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8700e-004	8.7200e-004
tblVehicleEF	MHD	1.5750e-003	1.8870e-003
tblVehicleEF	MHD	0.08	0.09
tblVehicleEF	MHD	0.20	0.19
tblVehicleEF	MHD	9.7900e-004	1.0890e-003
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	0.44	0.50
tblVehicleEF	MHD	0.81	1.10
tblVehicleEF	MHD	7.7450e-003	7.1860e-003
tblVehicleEF	MHD	4.7320e-003	5.4130e-003
tblVehicleEF	MHD	1.52	1.39
tblVehicleEF	MHD	0.50	0.69
tblVehicleEF	MHD	9.39	12.44

tblVehicleEF	MHD	606.67	605.99
tblVehicleEF	MHD	1,004.94	1,006.95
tblVehicleEF	MHD	49.32	49.71
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.43	4.78
tblVehicleEF	MHD	0.95	1.78
tblVehicleEF	MHD	1.33	1.68
tblVehicleEF	MHD	6.4380e-003	0.01
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	1.0610e-003	1.6720e-003
tblVehicleEF	MHD	5.9230e-003	9.2440e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8910e-003	2.8860e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	9.8500e-004	1.5290e-003
tblVehicleEF	MHD	3.9820e-003	4.9690e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.15
tblVehicleEF	MHD	2.1900e-003	2.6080e-003
tblVehicleEF	MHD	0.11	0.13
tblVehicleEF	MHD	0.42	0.48
tblVehicleEF	MHD	0.61	0.81
tblVehicleEF	MHD	6.4310e-003	6.4240e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.1400e-004	7.7200e-004
tblVehicleEF	MHD	3.9820e-003	4.9690e-003

tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.19	0.18
tblVehicleEF	MHD	2.1900e-003	2.6080e-003
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	0.42	0.48
tblVehicleEF	MHD	0.65	0.87
tblVehicleEF	MHD	8.8720e-003	8.2320e-003
tblVehicleEF	MHD	4.7320e-003	5.4130e-003
tblVehicleEF	MHD	2.88	2.63
tblVehicleEF	MHD	0.49	0.67
tblVehicleEF	MHD	17.59	23.57
tblVehicleEF	MHD	525.67	525.08
tblVehicleEF	MHD	1,004.94	1,006.95
tblVehicleEF	MHD	49.32	49.71
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.18	4.43
tblVehicleEF	MHD	1.01	1.90
tblVehicleEF	MHD	1.51	1.91
tblVehicleEF	MHD	9.2930e-003	0.01
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	1.0610e-003	1.6720e-003
tblVehicleEF	MHD	8.5500e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8910e-003	2.8860e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	9.8500e-004	1.5290e-003

tblVehicleEF	MHD	6.4200e-004	6.8900e-004
tblVehicleEF	MHD	0.08	0.10
tblVehicleEF	MHD	0.19	0.18
tblVehicleEF	MHD	4.5900e-004	4.7200e-004
tblVehicleEF	MHD	0.11	0.13
tblVehicleEF	MHD	0.49	0.56
tblVehicleEF	MHD	0.88	1.21
tblVehicleEF	MHD	5.5720e-003	5.5660e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	8.5100e-004	9.5900e-004
tblVehicleEF	MHD	6.4200e-004	6.8900e-004
tblVehicleEF	MHD	0.08	0.10
tblVehicleEF	MHD	0.22	0.20
tblVehicleEF	MHD	4.5900e-004	4.7200e-004
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	0.49	0.56
tblVehicleEF	MHD	0.94	1.29
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	2.9530e-003	2.9570e-003
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tblVehicleEF	OBUS	0.83	1.17
tblVehicleEF	OBUS	9.00	11.14
tblVehicleEF	OBUS	533.48	534.88
tblVehicleEF	OBUS	1,045.10	1,039.91
tblVehicleEF	OBUS	32.73	32.82
tblVehicleEF	OBUS	1.8110e-003	1.7890e-003
tblVehicleEF	OBUS	3.20	4.65
tblVehicleEF	OBUS	1.12	2.32

tblVehicleEF	OBUS	1.18	1.44
tblVehicleEF	OBUS	8.7920e-003	9.5470e-003
tblVehicleEF	OBUS	0.10	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	4.5100e-004	6.0300e-004
tblVehicleEF	OBUS	8.0890e-003	8.7830e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.6290e-003	2.6130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	4.1900e-004	5.5500e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.56	0.47
tblVehicleEF	OBUS	3.4900e-004	3.3500e-004
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tblVehicleEF	OBUS	0.31	0.31
tblVehicleEF	OBUS	0.52	0.64
tblVehicleEF	OBUS	5.6550e-003	5.6700e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.2100e-004	5.5900e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.64	0.53
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tblVehicleEF	OBUS	0.31	0.31
tblVehicleEF	OBUS	0.55	0.69
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	2.9530e-003	2.9570e-003

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tblVehicleEF	OBUS	565.17	566.66
tblVehicleEF	OBUS	1,045.10	1,039.91
tblVehicleEF	OBUS	32.73	32.82
tblVehicleEF	OBUS	1.8110e-003	1.7890e-003
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tblVehicleEF	OBUS	1.06	2.21
tblVehicleEF	OBUS	1.09	1.34
tblVehicleEF	OBUS	7.4120e-003	8.0480e-003
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tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	4.5100e-004	6.0300e-004
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tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.6290e-003	2.6130e-003
tblVehicleEF	OBUS	0.03	0.03
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tblVehicleEF	OBUS	5.9910e-003	6.0070e-003

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tblVehicleEF	OBUS	2.9530e-003	2.9570e-003
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tblVehicleEF	OBUS	0.82	1.15
tblVehicleEF	OBUS	11.51	14.25
tblVehicleEF	OBUS	489.71	491.00
tblVehicleEF	OBUS	1,045.10	1,039.91
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tblVehicleEF	OBUS	3.06	4.44
tblVehicleEF	OBUS	1.14	2.37
tblVehicleEF	OBUS	1.24	1.52
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.10	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.04
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tblVehicleEF	OBUS	9.8420e-003	0.01
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	2.6290e-003	2.6130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	4.1900e-004	5.5500e-004
tblVehicleEF	OBUS	3.2900e-004	3.1100e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.60	0.50
tblVehicleEF	OBUS	1.8300e-004	1.7100e-004
tblVehicleEF	OBUS	0.12	0.14
tblVehicleEF	OBUS	0.34	0.34
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tblVehicleEF	OBUS	5.6300e-004	6.1100e-004
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tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.69	0.57
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tblVehicleEF	OBUS	0.14	0.17
tblVehicleEF	OBUS	0.34	0.34
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tblVehicleEF	SBUS	4.8570e-003	4.4530e-003
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tblVehicleEF	SBUS	25.41	37.29
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tblVehicleEF	SBUS	966.46	975.49
tblVehicleEF	SBUS	115.30	116.58



tblVehicleEF	SBUS	1.8900e-004	1.9900e-004
tblVehicleEF	SBUS	7.12	7.58
tblVehicleEF	SBUS	5.53	6.35
tblVehicleEF	SBUS	2.38	2.88
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.47	0.48
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tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0800e-003	5.6600e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.20	0.20
tblVehicleEF	SBUS	2.6090e-003	2.6220e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	2.8580e-003	5.1250e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.19	0.25
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	8.0390e-003	0.01
tblVehicleEF	SBUS	0.26	0.47
tblVehicleEF	SBUS	2.54	2.91
tblVehicleEF	SBUS	1.49	2.21
tblVehicleEF	SBUS	5.8950e-003	5.7980e-003
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tblVehicleEF	SBUS	1.7250e-003	1.9480e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.19	0.25
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	8.0390e-003	0.01

tblVehicleEF	SBUS	0.30	0.53
tblVehicleEF	SBUS	2.54	2.91
tblVehicleEF	SBUS	1.59	2.36
tblVehicleEF	SBUS	4.5770e-003	4.1970e-003
tblVehicleEF	SBUS	5.1600e-003	4.6520e-003
tblVehicleEF	SBUS	0.87	0.76
tblVehicleEF	SBUS	2.74	5.51
tblVehicleEF	SBUS	19.93	28.48
tblVehicleEF	SBUS	589.19	579.49
tblVehicleEF	SBUS	966.46	975.49
tblVehicleEF	SBUS	115.30	116.58
tblVehicleEF	SBUS	1.8900e-004	1.9900e-004
tblVehicleEF	SBUS	7.35	7.82
tblVehicleEF	SBUS	5.27	6.03
tblVehicleEF	SBUS	2.18	2.64
tblVehicleEF	SBUS	9.6400e-003	0.01
tblVehicleEF	SBUS	0.47	0.48
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0800e-003	5.6600e-003
tblVehicleEF	SBUS	8.8690e-003	0.01
tblVehicleEF	SBUS	0.20	0.20
tblVehicleEF	SBUS	2.6090e-003	2.6220e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	2.8580e-003	5.1250e-003
tblVehicleEF	SBUS	0.05	0.08
tblVehicleEF	SBUS	0.19	0.26
tblVehicleEF	SBUS	0.10	0.09

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.27	0.49
tblVehicleEF	SBUS	2.24	2.58
tblVehicleEF	SBUS	1.29	1.83
tblVehicleEF	SBUS	6.2460e-003	6.1430e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6320e-003	1.7980e-003
tblVehicleEF	SBUS	0.05	0.08
tblVehicleEF	SBUS	0.19	0.26
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.31	0.55
tblVehicleEF	SBUS	2.24	2.58
tblVehicleEF	SBUS	1.38	1.96
tblVehicleEF	SBUS	5.2430e-003	4.8080e-003
tblVehicleEF	SBUS	5.1600e-003	4.6520e-003
tblVehicleEF	SBUS	1.64	1.45
tblVehicleEF	SBUS	2.58	5.31
tblVehicleEF	SBUS	30.21	45.42
tblVehicleEF	SBUS	510.52	502.12
tblVehicleEF	SBUS	966.46	975.49
tblVehicleEF	SBUS	115.30	116.58
tblVehicleEF	SBUS	1.8900e-004	1.9900e-004
tblVehicleEF	SBUS	6.81	7.24
tblVehicleEF	SBUS	5.65	6.50
tblVehicleEF	SBUS	2.52	3.05
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.47	0.48

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0800e-003	5.6600e-003
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.20	0.20
tblVehicleEF	SBUS	2.6090e-003	2.6220e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	2.8580e-003	5.1250e-003
tblVehicleEF	SBUS	7.5090e-003	9.9620e-003
tblVehicleEF	SBUS	0.21	0.29
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	3.8800e-003	5.0810e-003
tblVehicleEF	SBUS	0.26	0.46
tblVehicleEF	SBUS	3.14	3.57
tblVehicleEF	SBUS	1.66	2.53
tblVehicleEF	SBUS	5.4120e-003	5.3230e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.8050e-003	2.0860e-003
tblVehicleEF	SBUS	7.5090e-003	9.9620e-003
tblVehicleEF	SBUS	0.21	0.29
tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	3.8800e-003	5.0810e-003
tblVehicleEF	SBUS	0.30	0.51
tblVehicleEF	SBUS	3.14	3.57
tblVehicleEF	SBUS	1.77	2.71
tblVehicleEF	UBUS	3.48	3.54
tblVehicleEF	UBUS	4.88	4.94
tblVehicleEF	UBUS	2,139.09	2,150.04

tblVehicleEF	UBUS	9.91	9.91
tblVehicleEF	UBUS	3.5990e-003	3.6610e-003
tblVehicleEF	UBUS	13.62	14.14
tblVehicleEF	UBUS	0.63	0.63
tblVehicleEF	UBUS	0.23	0.24
tblVehicleEF	UBUS	2.1800e-004	2.2200e-004
tblVehicleEF	UBUS	0.21	0.22
tblVehicleEF	UBUS	2.0200e-004	2.0600e-004
tblVehicleEF	UBUS	1.6400e-003	1.5960e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	7.8000e-004	7.6300e-004
tblVehicleEF	UBUS	0.60	0.62
tblVehicleEF	UBUS	0.39	0.34
tblVehicleEF	UBUS	0.37	0.37
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.9800e-004	1.9900e-004
tblVehicleEF	UBUS	1.6400e-003	1.5960e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	7.8000e-004	7.6300e-004
tblVehicleEF	UBUS	0.68	0.70
tblVehicleEF	UBUS	0.39	0.34
tblVehicleEF	UBUS	0.39	0.39
tblVehicleEF	UBUS	3.53	3.59
tblVehicleEF	UBUS	3.59	3.64
tblVehicleEF	UBUS	2,139.09	2,150.04
tblVehicleEF	UBUS	9.91	9.91
tblVehicleEF	UBUS	3.5990e-003	3.6610e-003
tblVehicleEF	UBUS	13.06	13.56

tblVehicleEF	UBUS	0.58	0.58
tblVehicleEF	UBUS	0.23	0.24
tblVehicleEF	UBUS	2.1800e-004	2.2200e-004
tblVehicleEF	UBUS	0.21	0.22
tblVehicleEF	UBUS	2.0200e-004	2.0600e-004
tblVehicleEF	UBUS	4.1930e-003	4.1030e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.6980e-003	1.6920e-003
tblVehicleEF	UBUS	0.61	0.63
tblVehicleEF	UBUS	0.36	0.31
tblVehicleEF	UBUS	0.31	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.7600e-004	1.7700e-004
tblVehicleEF	UBUS	4.1930e-003	4.1030e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.6980e-003	1.6920e-003
tblVehicleEF	UBUS	0.69	0.71
tblVehicleEF	UBUS	0.36	0.31
tblVehicleEF	UBUS	0.33	0.32
tblVehicleEF	UBUS	3.45	3.51
tblVehicleEF	UBUS	6.00	6.08
tblVehicleEF	UBUS	2,139.09	2,150.04
tblVehicleEF	UBUS	9.91	9.91
tblVehicleEF	UBUS	3.5990e-003	3.6610e-003
tblVehicleEF	UBUS	13.85	14.37
tblVehicleEF	UBUS	0.67	0.66
tblVehicleEF	UBUS	0.23	0.24
tblVehicleEF	UBUS	2.1800e-004	2.2200e-004

tblVehicleEF	UBUS	0.21	0.22
tblVehicleEF	UBUS	2.0200e-004	2.0600e-004
tblVehicleEF	UBUS	5.9400e-004	5.7400e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	3.5600e-004	3.4400e-004
tblVehicleEF	UBUS	0.60	0.61
tblVehicleEF	UBUS	0.48	0.41
tblVehicleEF	UBUS	0.42	0.42
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.1700e-004	2.1900e-004
tblVehicleEF	UBUS	5.9400e-004	5.7400e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	3.5600e-004	3.4400e-004
tblVehicleEF	UBUS	0.67	0.69
tblVehicleEF	UBUS	0.48	0.41
tblVehicleEF	UBUS	0.45	0.44

## 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					
2017	0.7815	8.3700	6.7417	0.0108	2.1056	0.3653	2.4708	0.6121	0.3374	0.9495	0.0000	969.5546	969.5546	0.1750	0.0000	973.2296
2018	1.3486	8.2341	15.1510	0.0309	1.5830	0.3026	1.8856	0.4277	0.2832	0.7109	0.0000	2,456.6310	2,456.6310	0.1535	0.0000	2,459.8538
2019	1.2171	7.4717	14.1831	0.0309	1.5830	0.2655	1.8484	0.4277	0.2484	0.6761	0.0000	2,396.5059	2,396.5059	0.1479	0.0000	2,399.6117
2020	1.1165	6.6179	13.4596	0.0309	1.5880	0.2333	1.8213	0.4291	0.2183	0.6473	0.0000	2,334.0844	2,334.0844	0.1439	0.0000	2,337.1061
2021	11.7584	3.5267	7.5233	0.0177	0.8854	0.1340	1.0193	0.2389	0.1251	0.3641	0.0000	1,328.1867	1,328.1867	0.0993	0.0000	1,330.2709
<b>Total</b>	<b>16.2221</b>	<b>34.2205</b>	<b>57.0586</b>	<b>0.1212</b>	<b>7.7449</b>	<b>1.3006</b>	<b>9.0455</b>	<b>2.1355</b>	<b>1.2123</b>	<b>3.3478</b>	<b>0.0000</b>	<b>9,484.9625</b>	<b>9,484.9625</b>	<b>0.7195</b>	<b>0.0000</b>	<b>9,500.0720</b>





**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	10.0588	0.0425	3.6269	1.3000e-003		0.1828	0.1828		0.1828	0.1828	17.6297	14.0418	31.6714	0.0407	1.0500e-003	32.8507
Energy	0.0790	0.6870	0.3720	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	2,127.3199	2,127.3199	0.0758	0.0269	2,137.2586
Mobile	5.5494	11.7645	52.7239	0.0968	6.1535	0.1625	6.3160	1.6538	0.1498	1.8036	0.0000	6,891.3523	6,891.3523	0.2514	0.0000	6,896.6314
Waste						0.0000	0.0000		0.0000	0.0000	152.7182	0.0000	152.7182	9.0254	0.0000	342.2514
Water						0.0000	0.0000		0.0000	0.0000	10.2841	94.7976	105.0817	1.0606	0.0258	135.3602
<b>Total</b>	<b>15.6873</b>	<b>12.4939</b>	<b>56.7228</b>	<b>0.1024</b>	<b>6.1535</b>	<b>0.3999</b>	<b>6.5534</b>	<b>1.6538</b>	<b>0.3872</b>	<b>2.0409</b>	<b>180.6320</b>	<b>9,127.5116</b>	<b>9,308.1436</b>	<b>10.4538</b>	<b>0.0538</b>	<b>9,544.3523</b>

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	10.0588	0.0425	3.6269	1.3000e-003		0.1828	0.1828		0.1828	0.1828	17.6297	14.0418	31.6714	0.0407	1.0500e-003	32.8507
Energy	0.0790	0.6870	0.3720	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	2,127.3199	2,127.3199	0.0758	0.0269	2,137.2586
Mobile	5.5494	11.7645	52.7239	0.0968	6.1535	0.1625	6.3160	1.6538	0.1498	1.8036	0.0000	6,891.3523	6,891.3523	0.2514	0.0000	6,896.6314
Waste						0.0000	0.0000		0.0000	0.0000	152.7182	0.0000	152.7182	9.0254	0.0000	342.2514
Water						0.0000	0.0000		0.0000	0.0000	10.2841	94.7976	105.0817	1.0604	0.0258	135.3437
<b>Total</b>	<b>15.6873</b>	<b>12.4939</b>	<b>56.7228</b>	<b>0.1024</b>	<b>6.1535</b>	<b>0.3999</b>	<b>6.5534</b>	<b>1.6538</b>	<b>0.3872</b>	<b>2.0409</b>	<b>180.6320</b>	<b>9,127.5116</b>	<b>9,308.1436</b>	<b>10.4537</b>	<b>0.0538</b>	<b>9,544.3359</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>0.00</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>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.07</b>	<b>0.00</b>

### 2.3 Vegetation

#### Vegetation

	CO2e
Category	MT
New Trees	667.9400
Vegetation Land Change	-299.9760
<b>Total</b>	<b>367.9640</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	4/1/2017	7/14/2017	6	90	Demo and Off-Site Hauling
2	Site Preparation	Site Preparation	6/22/2017	8/7/2017	6	40	
3	Grading	Grading	8/8/2017	12/14/2017	6	111	
4	Building Construction	Building Construction	12/15/2017	7/8/2021	6	1116	
5	Paving	Paving	7/9/2021	10/4/2021	6	75	
6	Architectural Coating	Architectural Coating	10/5/2021	12/30/2021	6	75	

**Acres of Grading (Site Preparation Phase): 67.6**

**Acres of Grading (Grading Phase): 67.6**

**Acres of Paving: 0**

**Residential Indoor: 834,300; Residential Outdoor: 278,100; Non-Residential Indoor: 2,367,552; Non-Residential Outdoor: 789,184  
(Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	0	0.00	85	0.78
Demolition	Excavators	3	8.00	162	0.38
Demolition	Generator Sets	0	0.00	84	0.74
Demolition	Off-Highway Trucks	0	0.00	400	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Demolition	Rubber Tired Loaders	0	0.00	199	0.36
Demolition	Skid Steer Loaders	0	0.00	64	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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	6	15.00	0.00	7,610.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	780.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	895.00	308.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	179.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Demolition - 2017**

**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					1.1769	0.0000	1.1769	0.1782	0.0000	0.1782	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1822	1.9214	1.5252	1.8000e-003		0.0956	0.0956		0.0891	0.0891	0.0000	164.7820	164.7820	0.0452	0.0000	165.7313
<b>Total</b>	<b>0.1822</b>	<b>1.9214</b>	<b>1.5252</b>	<b>1.8000e-003</b>	<b>1.1769</b>	<b>0.0956</b>	<b>1.2726</b>	<b>0.1782</b>	<b>0.0891</b>	<b>0.2673</b>	<b>0.0000</b>	<b>164.7820</b>	<b>164.7820</b>	<b>0.0452</b>	<b>0.0000</b>	<b>165.7313</b>

### 3.2 Demolition - 2017

#### 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	0.0813	1.0235	0.9065	2.8700e-003	0.0642	0.0132	0.0774	0.0177	0.0121	0.0298	0.0000	258.0702	258.0702	1.8800e-003	0.0000	258.1097
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	3.4200e-003	0.0328	7.0000e-005	6.1300e-003	5.0000e-005	6.1800e-003	1.6300e-003	5.0000e-005	1.6800e-003	0.0000	5.3608	5.3608	2.9000e-004	0.0000	5.3668
<b>Total</b>	<b>0.0836</b>	<b>1.0269</b>	<b>0.9393</b>	<b>2.9400e-003</b>	<b>0.0703</b>	<b>0.0132</b>	<b>0.0836</b>	<b>0.0193</b>	<b>0.0122</b>	<b>0.0315</b>	<b>0.0000</b>	<b>263.4310</b>	<b>263.4310</b>	<b>2.1700e-003</b>	<b>0.0000</b>	<b>263.4765</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					0.5296	0.0000	0.5296	0.0802	0.0000	0.0802	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1822	1.9214	1.5252	1.8000e-003		0.0956	0.0956		0.0891	0.0891	0.0000	164.7818	164.7818	0.0452	0.0000	165.7311
<b>Total</b>	<b>0.1822</b>	<b>1.9214</b>	<b>1.5252</b>	<b>1.8000e-003</b>	<b>0.5296</b>	<b>0.0956</b>	<b>0.6253</b>	<b>0.0802</b>	<b>0.0891</b>	<b>0.1693</b>	<b>0.0000</b>	<b>164.7818</b>	<b>164.7818</b>	<b>0.0452</b>	<b>0.0000</b>	<b>165.7311</b>

### 3.2 Demolition - 2017

#### 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	0.0813	1.0235	0.9065	2.8700e-003	0.0642	0.0132	0.0774	0.0177	0.0121	0.0298	0.0000	258.0702	258.0702	1.8800e-003	0.0000	258.1097
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	3.4200e-003	0.0328	7.0000e-005	6.1300e-003	5.0000e-005	6.1800e-003	1.6300e-003	5.0000e-005	1.6800e-003	0.0000	5.3608	5.3608	2.9000e-004	0.0000	5.3668
<b>Total</b>	<b>0.0836</b>	<b>1.0269</b>	<b>0.9393</b>	<b>2.9400e-003</b>	<b>0.0703</b>	<b>0.0132</b>	<b>0.0836</b>	<b>0.0193</b>	<b>0.0122</b>	<b>0.0315</b>	<b>0.0000</b>	<b>263.4310</b>	<b>263.4310</b>	<b>2.1700e-003</b>	<b>0.0000</b>	<b>263.4765</b>

### 3.3 Site Preparation - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3972	0.0000	0.3972	0.2025	0.0000	0.2025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	1.0351	0.7879	7.8000e-004		0.0551	0.0551		0.0507	0.0507	0.0000	72.6308	72.6308	0.0223	0.0000	73.0981
<b>Total</b>	<b>0.0968</b>	<b>1.0351</b>	<b>0.7879</b>	<b>7.8000e-004</b>	<b>0.3972</b>	<b>0.0551</b>	<b>0.4523</b>	<b>0.2025</b>	<b>0.0507</b>	<b>0.2532</b>	<b>0.0000</b>	<b>72.6308</b>	<b>72.6308</b>	<b>0.0223</b>	<b>0.0000</b>	<b>73.0981</b>



### 3.3 Site Preparation - 2017

#### 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	1.2200e-003	1.8200e-003	0.0175	4.0000e-005	3.2700e-003	3.0000e-005	3.2900e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.8591	2.8591	1.5000e-004	0.0000	2.8623
<b>Total</b>	<b>1.2200e-003</b>	<b>1.8200e-003</b>	<b>0.0175</b>	<b>4.0000e-005</b>	<b>3.2700e-003</b>	<b>3.0000e-005</b>	<b>3.2900e-003</b>	<b>8.7000e-004</b>	<b>2.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.8591</b>	<b>2.8591</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.8623</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					0.1787	0.0000	0.1787	0.0911	0.0000	0.0911	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	1.0351	0.7879	7.8000e-004		0.0551	0.0551		0.0507	0.0507	0.0000	72.6307	72.6307	0.0223	0.0000	73.0980
<b>Total</b>	<b>0.0968</b>	<b>1.0351</b>	<b>0.7879</b>	<b>7.8000e-004</b>	<b>0.1787</b>	<b>0.0551</b>	<b>0.2338</b>	<b>0.0911</b>	<b>0.0507</b>	<b>0.1418</b>	<b>0.0000</b>	<b>72.6307</b>	<b>72.6307</b>	<b>0.0223</b>	<b>0.0000</b>	<b>73.0980</b>

### 3.3 Site Preparation - 2017

#### 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	1.2200e-003	1.8200e-003	0.0175	4.0000e-005	3.2700e-003	3.0000e-005	3.2900e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.8591	2.8591	1.5000e-004	0.0000	2.8623
<b>Total</b>	<b>1.2200e-003</b>	<b>1.8200e-003</b>	<b>0.0175</b>	<b>4.0000e-005</b>	<b>3.2700e-003</b>	<b>3.0000e-005</b>	<b>3.2900e-003</b>	<b>8.7000e-004</b>	<b>2.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.8591</b>	<b>2.8591</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.8623</b>

### 3.4 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3704	0.0000	0.3704	0.1876	0.0000	0.1876	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3385	3.8624	2.5977	3.4200e-003		0.1841	0.1841		0.1694	0.1694	0.0000	317.8703	317.8703	0.0974	0.0000	319.9156
<b>Total</b>	<b>0.3385</b>	<b>3.8624</b>	<b>2.5977</b>	<b>3.4200e-003</b>	<b>0.3704</b>	<b>0.1841</b>	<b>0.5545</b>	<b>0.1876</b>	<b>0.1694</b>	<b>0.3570</b>	<b>0.0000</b>	<b>317.8703</b>	<b>317.8703</b>	<b>0.0974</b>	<b>0.0000</b>	<b>319.9156</b>

### 3.4 Grading - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.3400e-003	0.1049	0.0929	2.9000e-004	6.5800e-003	1.3500e-003	7.9300e-003	1.8100e-003	1.2400e-003	3.0500e-003	0.0000	26.4514	26.4514	1.9000e-004	0.0000	26.4554
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	5.6200e-003	0.0539	1.2000e-004	0.0101	8.0000e-005	0.0102	2.6800e-003	8.0000e-005	2.7600e-003	0.0000	8.8155	8.8155	4.7000e-004	0.0000	8.8254
<b>Total</b>	<b>0.0121</b>	<b>0.1105</b>	<b>0.1468</b>	<b>4.1000e-004</b>	<b>0.0167</b>	<b>1.4300e-003</b>	<b>0.0181</b>	<b>4.4900e-003</b>	<b>1.3200e-003</b>	<b>5.8100e-003</b>	<b>0.0000</b>	<b>35.2668</b>	<b>35.2668</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>35.2808</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					0.1667	0.0000	0.1667	0.0844	0.0000	0.0844	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3385	3.8624	2.5977	3.4200e-003		0.1841	0.1841		0.1694	0.1694	0.0000	317.8699	317.8699	0.0974	0.0000	319.9152
<b>Total</b>	<b>0.3385</b>	<b>3.8624</b>	<b>2.5977</b>	<b>3.4200e-003</b>	<b>0.1667</b>	<b>0.1841</b>	<b>0.3508</b>	<b>0.0844</b>	<b>0.1694</b>	<b>0.2538</b>	<b>0.0000</b>	<b>317.8699</b>	<b>317.8699</b>	<b>0.0974</b>	<b>0.0000</b>	<b>319.9152</b>

### 3.4 Grading - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.3400e-003	0.1049	0.0929	2.9000e-004	6.5800e-003	1.3500e-003	7.9300e-003	1.8100e-003	1.2400e-003	3.0500e-003	0.0000	26.4514	26.4514	1.9000e-004	0.0000	26.4554
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	5.6200e-003	0.0539	1.2000e-004	0.0101	8.0000e-005	0.0102	2.6800e-003	8.0000e-005	2.7600e-003	0.0000	8.8155	8.8155	4.7000e-004	0.0000	8.8254
<b>Total</b>	<b>0.0121</b>	<b>0.1105</b>	<b>0.1468</b>	<b>4.1000e-004</b>	<b>0.0167</b>	<b>1.4300e-003</b>	<b>0.0181</b>	<b>4.4900e-003</b>	<b>1.3200e-003</b>	<b>5.8100e-003</b>	<b>0.0000</b>	<b>35.2668</b>	<b>35.2668</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>35.2808</b>

### 3.5 Building Construction - 2017

#### 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	0.0217	0.1848	0.1269	1.9000e-004		0.0125	0.0125		0.0117	0.0117	0.0000	16.7635	16.7635	4.1300e-003	0.0000	16.8502
<b>Total</b>	<b>0.0217</b>	<b>0.1848</b>	<b>0.1269</b>	<b>1.9000e-004</b>		<b>0.0125</b>	<b>0.0125</b>		<b>0.0117</b>	<b>0.0117</b>	<b>0.0000</b>	<b>16.7635</b>	<b>16.7635</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>16.8502</b>

### 3.5 Building Construction - 2017

#### 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	0.0242	0.1953	0.2962	5.2000e-004	0.0139	2.8400e-003	0.0168	4.0000e-003	2.6100e-003	6.6200e-003	0.0000	46.1953	46.1953	3.6000e-004	0.0000	46.2029
Worker	0.0212	0.0317	0.3042	6.8000e-004	0.0569	4.6000e-004	0.0573	0.0151	4.3000e-004	0.0156	0.0000	49.7558	49.7558	2.6700e-003	0.0000	49.8120
<b>Total</b>	<b>0.0455</b>	<b>0.2271</b>	<b>0.6004</b>	<b>1.2000e-003</b>	<b>0.0708</b>	<b>3.3000e-003</b>	<b>0.0741</b>	<b>0.0191</b>	<b>3.0400e-003</b>	<b>0.0222</b>	<b>0.0000</b>	<b>95.9511</b>	<b>95.9511</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>96.0149</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	0.0217	0.1848	0.1269	1.9000e-004		0.0125	0.0125		0.0117	0.0117	0.0000	16.7635	16.7635	4.1300e-003	0.0000	16.8502
<b>Total</b>	<b>0.0217</b>	<b>0.1848</b>	<b>0.1269</b>	<b>1.9000e-004</b>		<b>0.0125</b>	<b>0.0125</b>		<b>0.0117</b>	<b>0.0117</b>	<b>0.0000</b>	<b>16.7635</b>	<b>16.7635</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>16.8502</b>

**3.5 Building Construction - 2017****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	0.0242	0.1953	0.2962	5.2000e-004	0.0139	2.8400e-003	0.0168	4.0000e-003	2.6100e-003	6.6200e-003	0.0000	46.1953	46.1953	3.6000e-004	0.0000	46.2029
Worker	0.0212	0.0317	0.3042	6.8000e-004	0.0569	4.6000e-004	0.0573	0.0151	4.3000e-004	0.0156	0.0000	49.7558	49.7558	2.6700e-003	0.0000	49.8120
<b>Total</b>	<b>0.0455</b>	<b>0.2271</b>	<b>0.6004</b>	<b>1.2000e-003</b>	<b>0.0708</b>	<b>3.3000e-003</b>	<b>0.0741</b>	<b>0.0191</b>	<b>3.0400e-003</b>	<b>0.0222</b>	<b>0.0000</b>	<b>95.9511</b>	<b>95.9511</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>96.0149</b>

**3.5 Building Construction - 2018****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	0.4177	3.6403	2.7439	4.1900e-003		0.2339	0.2339		0.2199	0.2199	0.0000	370.5446	370.5446	0.0907	0.0000	372.4488
<b>Total</b>	<b>0.4177</b>	<b>3.6403</b>	<b>2.7439</b>	<b>4.1900e-003</b>		<b>0.2339</b>	<b>0.2339</b>		<b>0.2199</b>	<b>0.2199</b>	<b>0.0000</b>	<b>370.5446</b>	<b>370.5446</b>	<b>0.0907</b>	<b>0.0000</b>	<b>372.4488</b>

### 3.5 Building Construction - 2018

#### 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	0.5100	3.9562	6.3421	0.0115	0.3116	0.0588	0.3705	0.0895	0.0541	0.1436	0.0000	1,015.002 2	1,015.002 2	7.9200e- 003	0.0000	1,015.168 4
Worker	0.4210	0.6377	6.0650	0.0152	1.2713	9.9600e- 003	1.2813	0.3382	9.2100e- 003	0.3474	0.0000	1,071.084 3	1,071.084 3	0.0549	0.0000	1,072.236 6
<b>Total</b>	<b>0.9309</b>	<b>4.5938</b>	<b>12.4071</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0688</b>	<b>1.6518</b>	<b>0.4277</b>	<b>0.0633</b>	<b>0.4910</b>	<b>0.0000</b>	<b>2,086.086 5</b>	<b>2,086.086 5</b>	<b>0.0628</b>	<b>0.0000</b>	<b>2,087.405 0</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	0.4177	3.6403	2.7439	4.1900e- 003		0.2339	0.2339		0.2199	0.2199	0.0000	370.5441	370.5441	0.0907	0.0000	372.4484
<b>Total</b>	<b>0.4177</b>	<b>3.6403</b>	<b>2.7439</b>	<b>4.1900e- 003</b>		<b>0.2339</b>	<b>0.2339</b>		<b>0.2199</b>	<b>0.2199</b>	<b>0.0000</b>	<b>370.5441</b>	<b>370.5441</b>	<b>0.0907</b>	<b>0.0000</b>	<b>372.4484</b>

### 3.5 Building Construction - 2018

#### 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	0.5100	3.9562	6.3421	0.0115	0.3116	0.0588	0.3705	0.0895	0.0541	0.1436	0.0000	1,015.002 2	1,015.002 2	7.9200e- 003	0.0000	1,015.168 4
Worker	0.4210	0.6377	6.0650	0.0152	1.2713	9.9600e- 003	1.2813	0.3382	9.2100e- 003	0.3474	0.0000	1,071.084 3	1,071.084 3	0.0549	0.0000	1,072.236 6
<b>Total</b>	<b>0.9309</b>	<b>4.5938</b>	<b>12.4071</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0688</b>	<b>1.6518</b>	<b>0.4277</b>	<b>0.0633</b>	<b>0.4910</b>	<b>0.0000</b>	<b>2,086.086 5</b>	<b>2,086.086 5</b>	<b>0.0628</b>	<b>0.0000</b>	<b>2,087.405 0</b>

### 3.5 Building Construction - 2019

#### 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	0.3680	3.2810	2.6793	4.1900e- 003		0.2011	0.2011		0.1891	0.1891	0.0000	366.4021	366.4021	0.0892	0.0000	368.2742
<b>Total</b>	<b>0.3680</b>	<b>3.2810</b>	<b>2.6793</b>	<b>4.1900e- 003</b>		<b>0.2011</b>	<b>0.2011</b>		<b>0.1891</b>	<b>0.1891</b>	<b>0.0000</b>	<b>366.4021</b>	<b>366.4021</b>	<b>0.0892</b>	<b>0.0000</b>	<b>368.2742</b>



### 3.5 Building Construction - 2019

#### 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	0.4662	3.6099	5.9999	0.0115	0.3116	0.0546	0.3663	0.0895	0.0502	0.1398	0.0000	997.4701	997.4701	7.7300e-003	0.0000	997.6324
Worker	0.3829	0.5808	5.5039	0.0152	1.2713	9.7300e-003	1.2811	0.3382	9.0200e-003	0.3472	0.0000	1,032.6337	1,032.6337	0.0510	0.0000	1,033.7051
<b>Total</b>	<b>0.8491</b>	<b>4.1907</b>	<b>11.5038</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0644</b>	<b>1.6473</b>	<b>0.4277</b>	<b>0.0593</b>	<b>0.4870</b>	<b>0.0000</b>	<b>2,030.1038</b>	<b>2,030.1038</b>	<b>0.0588</b>	<b>0.0000</b>	<b>2,031.3375</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	0.3680	3.2810	2.6793	4.1900e-003		0.2011	0.2011		0.1891	0.1891	0.0000	366.4017	366.4017	0.0892	0.0000	368.2738
<b>Total</b>	<b>0.3680</b>	<b>3.2810</b>	<b>2.6793</b>	<b>4.1900e-003</b>		<b>0.2011</b>	<b>0.2011</b>		<b>0.1891</b>	<b>0.1891</b>	<b>0.0000</b>	<b>366.4017</b>	<b>366.4017</b>	<b>0.0892</b>	<b>0.0000</b>	<b>368.2738</b>

### 3.5 Building Construction - 2019

#### 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	0.4662	3.6099	5.9999	0.0115	0.3116	0.0546	0.3663	0.0895	0.0502	0.1398	0.0000	997.4701	997.4701	7.7300e-003	0.0000	997.6324
Worker	0.3829	0.5808	5.5039	0.0152	1.2713	9.7300e-003	1.2811	0.3382	9.0200e-003	0.3472	0.0000	1,032.6337	1,032.6337	0.0510	0.0000	1,033.7051
<b>Total</b>	<b>0.8491</b>	<b>4.1907</b>	<b>11.5038</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0644</b>	<b>1.6473</b>	<b>0.4277</b>	<b>0.0593</b>	<b>0.4870</b>	<b>0.0000</b>	<b>2,030.1038</b>	<b>2,030.1038</b>	<b>0.0588</b>	<b>0.0000</b>	<b>2,031.3375</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3315	2.9962	2.6389	4.2100e-003		0.1747	0.1747		0.1643	0.1643	0.0000	362.1203	362.1203	0.0882	0.0000	363.9731
<b>Total</b>	<b>0.3315</b>	<b>2.9962</b>	<b>2.6389</b>	<b>4.2100e-003</b>		<b>0.1747</b>	<b>0.1747</b>		<b>0.1643</b>	<b>0.1643</b>	<b>0.0000</b>	<b>362.1203</b>	<b>362.1203</b>	<b>0.0882</b>	<b>0.0000</b>	<b>363.9731</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4277	3.0850	5.7285	0.0115	0.3126	0.0489	0.3615	0.0898	0.0450	0.1348	0.0000	977.5734	977.5734	7.5100e-003	0.0000	977.7312
Worker	0.3573	0.5368	5.0921	0.0152	1.2754	9.6400e-003	1.2850	0.3393	8.9400e-003	0.3482	0.0000	994.3906	994.3906	0.0482	0.0000	995.4018
<b>Total</b>	<b>0.7850</b>	<b>3.6217</b>	<b>10.8206</b>	<b>0.0267</b>	<b>1.5880</b>	<b>0.0586</b>	<b>1.6466</b>	<b>0.4291</b>	<b>0.0540</b>	<b>0.4830</b>	<b>0.0000</b>	<b>1,971.9640</b>	<b>1,971.9640</b>	<b>0.0557</b>	<b>0.0000</b>	<b>1,973.1330</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	0.3315	2.9962	2.6389	4.2100e-003		0.1747	0.1747		0.1643	0.1643	0.0000	362.1199	362.1199	0.0882	0.0000	363.9726
<b>Total</b>	<b>0.3315</b>	<b>2.9962</b>	<b>2.6389</b>	<b>4.2100e-003</b>		<b>0.1747</b>	<b>0.1747</b>		<b>0.1643</b>	<b>0.1643</b>	<b>0.0000</b>	<b>362.1199</b>	<b>362.1199</b>	<b>0.0882</b>	<b>0.0000</b>	<b>363.9726</b>

### 3.5 Building Construction - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4277	3.0850	5.7285	0.0115	0.3126	0.0489	0.3615	0.0898	0.0450	0.1348	0.0000	977.5734	977.5734	7.5100e-003	0.0000	977.7312
Worker	0.3573	0.5368	5.0921	0.0152	1.2754	9.6400e-003	1.2850	0.3393	8.9400e-003	0.3482	0.0000	994.3906	994.3906	0.0482	0.0000	995.4018
<b>Total</b>	<b>0.7850</b>	<b>3.6217</b>	<b>10.8206</b>	<b>0.0267</b>	<b>1.5880</b>	<b>0.0586</b>	<b>1.6466</b>	<b>0.4291</b>	<b>0.0540</b>	<b>0.4830</b>	<b>0.0000</b>	<b>1,971.9640</b>	<b>1,971.9640</b>	<b>0.0557</b>	<b>0.0000</b>	<b>1,973.1330</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1533	1.4046	1.3396	2.1700e-003		0.0774	0.0774		0.0727	0.0727	0.0000	186.8486	186.8486	0.0450	0.0000	187.7939
<b>Total</b>	<b>0.1533</b>	<b>1.4046</b>	<b>1.3396</b>	<b>2.1700e-003</b>		<b>0.0774</b>	<b>0.0774</b>		<b>0.0727</b>	<b>0.0727</b>	<b>0.0000</b>	<b>186.8486</b>	<b>186.8486</b>	<b>0.0450</b>	<b>0.0000</b>	<b>187.7939</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2128	1.3066	2.8796	5.9300e-003	0.1613	0.0227	0.1840	0.0464	0.0209	0.0672	0.0000	503.6483	503.6483	3.8700e-003	0.0000	503.7295
Worker	0.1739	0.2577	2.4517	7.8500e-003	0.6580	4.9500e-003	0.6630	0.1750	4.5900e-003	0.1796	0.0000	504.0429	504.0429	0.0236	0.0000	504.5380
<b>Total</b>	<b>0.3866</b>	<b>1.5643</b>	<b>5.3313</b>	<b>0.0138</b>	<b>0.8193</b>	<b>0.0276</b>	<b>0.8470</b>	<b>0.2214</b>	<b>0.0255</b>	<b>0.2468</b>	<b>0.0000</b>	<b>1,007.6912</b>	<b>1,007.6912</b>	<b>0.0274</b>	<b>0.0000</b>	<b>1,008.2675</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	0.1533	1.4046	1.3396	2.1700e-003		0.0774	0.0774		0.0727	0.0727	0.0000	186.8484	186.8484	0.0450	0.0000	187.7937
<b>Total</b>	<b>0.1533</b>	<b>1.4046</b>	<b>1.3396</b>	<b>2.1700e-003</b>		<b>0.0774</b>	<b>0.0774</b>		<b>0.0727</b>	<b>0.0727</b>	<b>0.0000</b>	<b>186.8484</b>	<b>186.8484</b>	<b>0.0450</b>	<b>0.0000</b>	<b>187.7937</b>

### 3.5 Building Construction - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2128	1.3066	2.8796	5.9300e-003	0.1613	0.0227	0.1840	0.0464	0.0209	0.0672	0.0000	503.6483	503.6483	3.8700e-003	0.0000	503.7295
Worker	0.1739	0.2577	2.4517	7.8500e-003	0.6580	4.9500e-003	0.6630	0.1750	4.5900e-003	0.1796	0.0000	504.0429	504.0429	0.0236	0.0000	504.5380
<b>Total</b>	<b>0.3866</b>	<b>1.5643</b>	<b>5.3313</b>	<b>0.0138</b>	<b>0.8193</b>	<b>0.0276</b>	<b>0.8470</b>	<b>0.2214</b>	<b>0.0255</b>	<b>0.2468</b>	<b>0.0000</b>	<b>1,007.6912</b>	<b>1,007.6912</b>	<b>0.0274</b>	<b>0.0000</b>	<b>1,008.2675</b>

### 3.6 Paving - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0462	0.4748	0.5382	8.4000e-004		0.0249	0.0249		0.0230	0.0230	0.0000	73.4906	73.4906	0.0238	0.0000	73.9897
Paving	0.0161					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0623</b>	<b>0.4748</b>	<b>0.5382</b>	<b>8.4000e-004</b>		<b>0.0249</b>	<b>0.0249</b>		<b>0.0230</b>	<b>0.0230</b>	<b>0.0000</b>	<b>73.4906</b>	<b>73.4906</b>	<b>0.0238</b>	<b>0.0000</b>	<b>73.9897</b>

### 3.6 Paving - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3500e-003	2.0000e-003	0.0190	6.0000e-005	5.1100e-003	4.0000e-005	5.1400e-003	1.3600e-003	4.0000e-005	1.3900e-003	0.0000	3.9110	3.9110	1.8000e-004	0.0000	3.9148
<b>Total</b>	<b>1.3500e-003</b>	<b>2.0000e-003</b>	<b>0.0190</b>	<b>6.0000e-005</b>	<b>5.1100e-003</b>	<b>4.0000e-005</b>	<b>5.1400e-003</b>	<b>1.3600e-003</b>	<b>4.0000e-005</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>3.9110</b>	<b>3.9110</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>3.9148</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	0.0462	0.4748	0.5382	8.4000e-004		0.0249	0.0249		0.0230	0.0230	0.0000	73.4905	73.4905	0.0238	0.0000	73.9896
Paving	0.0161					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0623</b>	<b>0.4748</b>	<b>0.5382</b>	<b>8.4000e-004</b>		<b>0.0249</b>	<b>0.0249</b>		<b>0.0230</b>	<b>0.0230</b>	<b>0.0000</b>	<b>73.4905</b>	<b>73.4905</b>	<b>0.0238</b>	<b>0.0000</b>	<b>73.9896</b>

### 3.6 Paving - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3500e-003	2.0000e-003	0.0190	6.0000e-005	5.1100e-003	4.0000e-005	5.1400e-003	1.3600e-003	4.0000e-005	1.3900e-003	0.0000	3.9110	3.9110	1.8000e-004	0.0000	3.9148
<b>Total</b>	<b>1.3500e-003</b>	<b>2.0000e-003</b>	<b>0.0190</b>	<b>6.0000e-005</b>	<b>5.1100e-003</b>	<b>4.0000e-005</b>	<b>5.1400e-003</b>	<b>1.3600e-003</b>	<b>4.0000e-005</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>3.9110</b>	<b>3.9110</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>3.9148</b>

### 3.7 Architectural Coating - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	11.1304					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2100e-003	0.0573	0.0682	1.1000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	9.5747	9.5747	6.6000e-004	0.0000	9.5885
<b>Total</b>	<b>11.1387</b>	<b>0.0573</b>	<b>0.0682</b>	<b>1.1000e-004</b>		<b>3.5300e-003</b>	<b>3.5300e-003</b>		<b>3.5300e-003</b>	<b>3.5300e-003</b>	<b>0.0000</b>	<b>9.5747</b>	<b>9.5747</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>9.5885</b>



### 3.7 Architectural Coating - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0161	0.0239	0.2270	7.3000e-004	0.0609	4.6000e-004	0.0614	0.0162	4.2000e-004	0.0166	0.0000	46.6706	46.6706	2.1800e-003	0.0000	46.7165
<b>Total</b>	<b>0.0161</b>	<b>0.0239</b>	<b>0.2270</b>	<b>7.3000e-004</b>	<b>0.0609</b>	<b>4.6000e-004</b>	<b>0.0614</b>	<b>0.0162</b>	<b>4.2000e-004</b>	<b>0.0166</b>	<b>0.0000</b>	<b>46.6706</b>	<b>46.6706</b>	<b>2.1800e-003</b>	<b>0.0000</b>	<b>46.7165</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	11.1304					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2100e-003	0.0573	0.0682	1.1000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	9.5747	9.5747	6.6000e-004	0.0000	9.5885
<b>Total</b>	<b>11.1387</b>	<b>0.0573</b>	<b>0.0682</b>	<b>1.1000e-004</b>		<b>3.5300e-003</b>	<b>3.5300e-003</b>		<b>3.5300e-003</b>	<b>3.5300e-003</b>	<b>0.0000</b>	<b>9.5747</b>	<b>9.5747</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>9.5885</b>

### 3.7 Architectural Coating - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0161	0.0239	0.2270	7.3000e-004	0.0609	4.6000e-004	0.0614	0.0162	4.2000e-004	0.0166	0.0000	46.6706	46.6706	2.1800e-003	0.0000	46.7165
<b>Total</b>	<b>0.0161</b>	<b>0.0239</b>	<b>0.2270</b>	<b>7.3000e-004</b>	<b>0.0609</b>	<b>4.6000e-004</b>	<b>0.0614</b>	<b>0.0162</b>	<b>4.2000e-004</b>	<b>0.0166</b>	<b>0.0000</b>	<b>46.6706</b>	<b>46.6706</b>	<b>2.1800e-003</b>	<b>0.0000</b>	<b>46.7165</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	5.5494	11.7645	52.7239	0.0968	6.1535	0.1625	6.3160	1.6538	0.1498	1.8036	0.0000	6,891.3523	6,891.3523	0.2514	0.0000	6,896.6314
Unmitigated	5.5494	11.7645	52.7239	0.0968	6.1535	0.1625	6.3160	1.6538	0.1498	1.8036	0.0000	6,891.3523	6,891.3523	0.2514	0.0000	6,896.6314

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	38.00	38.00	38.00	81,127	81,127
Condo/Townhouse	1,528.88	1,661.12	1408.24	3,416,719	3,416,719
Health Club	461.02	292.18	374.22	733,394	733,394
High Turnover (Sit Down Restaurant)	762.90	950.22	791.04	920,879	920,879
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	957.00	1,008.00	877.00	2,127,126	2,127,126
Supermarket	6,747.84	11,720.94	10985.04	9,171,887	9,171,887
<b>Total</b>	<b>10,495.64</b>	<b>15,670.46</b>	<b>14,473.54</b>	<b>16,451,132</b>	<b>16,451,132</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-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
High Turnover (Sit Down)	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.543091	0.062201	0.166716	0.110184	0.030625	0.004564	0.019041	0.050825	0.001789	0.003661	0.005684	0.000199	0.001418

### 5.0 Energy Detail

#### 4.4 Fleet Mix

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	1,345.0949	1,345.0949	0.0608	0.0126	1,350.2731
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,345.0949	1,345.0949	0.0608	0.0126	1,350.2731
NaturalGas Mitigated	0.0790	0.6870	0.3720	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	782.2250	782.2250	0.0150	0.0143	786.9855
NaturalGas Unmitigated	0.0790	0.6870	0.3720	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	782.2250	782.2250	0.0150	0.0143	786.9855

### 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					
Condo/Townhouse	5.6351e+006	0.0304	0.2597	0.1105	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	300.7106	300.7106	5.7600e-003	5.5100e-003	302.5407
Health Club	359520	1.9400e-003	0.0176	0.0148	1.1000e-004		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	19.1854	19.1854	3.7000e-004	3.5000e-004	19.3021
High Turnover (Sit Down Restaurant)	1.02006e+006	5.5000e-003	0.0500	0.0420	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4343	54.4343	1.0400e-003	1.0000e-003	54.7656
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.102e+006	0.0275	0.2351	0.1000	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	272.2622	272.2622	5.2200e-003	4.9900e-003	273.9191
Supermarket	2.54166e+006	0.0137	0.1246	0.1047	7.5000e-004		9.4700e-003	9.4700e-003		9.4700e-003	9.4700e-003	0.0000	135.6327	135.6327	2.6000e-003	2.4900e-003	136.4581
City Park	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>0.0791</b>	<b>0.6870</b>	<b>0.3720</b>	<b>4.3200e-003</b>		<b>0.0546</b>	<b>0.0546</b>		<b>0.0546</b>	<b>0.0546</b>	<b>0.0000</b>	<b>782.2251</b>	<b>782.2251</b>	<b>0.0150</b>	<b>0.0143</b>	<b>786.9855</b>

## 5.2 Energy by Land Use - NaturalGas

### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Health Club	359520	1.9400e-003	0.0176	0.0148	1.1000e-004		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	19.1854	19.1854	3.7000e-004	3.5000e-004	19.3021
High Turnover (Sit Down Restaurant)	1.02006e+006	5.5000e-003	0.0500	0.0420	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4343	54.4343	1.0400e-003	1.0000e-003	54.7656
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.102e+006	0.0275	0.2351	0.1000	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	272.2622	272.2622	5.2200e-003	4.9900e-003	273.9191
Supermarket	2.54166e+006	0.0137	0.1246	0.1047	7.5000e-004		9.4700e-003	9.4700e-003		9.4700e-003	9.4700e-003	0.0000	135.6327	135.6327	2.6000e-003	2.4900e-003	136.4581
City Park	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
Condo/Townhouse	5.6351e+006	0.0304	0.2597	0.1105	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	300.7106	300.7106	5.7600e-003	5.5100e-003	302.5407
<b>Total</b>		<b>0.0791</b>	<b>0.6870</b>	<b>0.3720</b>	<b>4.3200e-003</b>		<b>0.0546</b>	<b>0.0546</b>		<b>0.0546</b>	<b>0.0546</b>	<b>0.0000</b>	<b>782.2251</b>	<b>782.2251</b>	<b>0.0150</b>	<b>0.0143</b>	<b>786.9855</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	988944	287.6952	0.0130	2.6900e-003	288.8027
Health Club	115780	33.6817	1.5200e-003	3.2000e-004	33.8114
High Turnover (Sit Down Restaurant)	181440	52.7830	2.3900e-003	4.9000e-004	52.9862
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76744.8	22.3259	1.0100e-003	2.1000e-004	22.4119
Single Family Housing	695397	202.2990	9.1500e-003	1.8900e-003	203.0778
Supermarket	2.56542e+006	746.3101	0.0338	6.9800e-003	749.1832
<b>Total</b>		<b>1,345.0949</b>	<b>0.0608</b>	<b>0.0126</b>	<b>1,350.2731</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	988944	287.6952	0.0130	2.6900e-003	288.8027
Health Club	115780	33.6817	1.5200e-003	3.2000e-004	33.8114
High Turnover (Sit Down Restaurant)	181440	52.7830	2.3900e-003	4.9000e-004	52.9862
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76744.8	22.3259	1.0100e-003	2.1000e-004	22.4119
Single Family Housing	695397	202.2990	9.1500e-003	1.8900e-003	203.0778
Supermarket	2.56542e+006	746.3101	0.0338	6.9800e-003	749.1832
<b>Total</b>		<b>1,345.0949</b>	<b>0.0608</b>	<b>0.0126</b>	<b>1,350.2731</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	10.0588	0.0425	3.6269	1.3000e-003		0.1828	0.1828		0.1828	0.1828	17.6297	14.0418	31.6714	0.0407	1.0500e-003	32.8507
Unmitigated	10.0588	0.0425	3.6269	1.3000e-003		0.1828	0.1828		0.1828	0.1828	17.6297	14.0418	31.6714	0.0407	1.0500e-003	32.8507

## 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	1.1130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.1038					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.7678	0.0141	1.1609	1.1700e-003		0.1691	0.1691		0.1691	0.1691	17.6297	10.0113	27.6410	0.0368	1.0500e-003	28.7389
Landscaping	0.0743	0.0284	2.4660	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.0305	4.0305	3.8700e-003	0.0000	4.1118
<b>Total</b>	<b>10.0588</b>	<b>0.0425</b>	<b>3.6269</b>	<b>1.3000e-003</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1827</b>	<b>0.1827</b>	<b>17.6297</b>	<b>14.0418</b>	<b>31.6715</b>	<b>0.0407</b>	<b>1.0500e-003</b>	<b>32.8507</b>

### 6.2 Area by SubCategory

#### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.1038					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.7678	0.0141	1.1609	1.1700e-003		0.1691	0.1691		0.1691	0.1691	17.6297	10.0113	27.6410	0.0368	1.0500e-003	28.7389
Landscaping	0.0743	0.0284	2.4660	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.0305	4.0305	3.8700e-003	0.0000	4.1118
<b>Total</b>	<b>10.0588</b>	<b>0.0425</b>	<b>3.6269</b>	<b>1.3000e-003</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1827</b>	<b>0.1827</b>	<b>17.6297</b>	<b>14.0418</b>	<b>31.6715</b>	<b>0.0407</b>	<b>1.0500e-003</b>	<b>32.8507</b>

### 7.0 Water Detail

#### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	105.0817	1.0604	0.0258	135.3437
Unmitigated	105.0817	1.0606	0.0258	135.3602

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 28.4764	28.9944	1.3100e-003	2.7000e-004	29.1060
Condo/Townhouse	15.1157 / 9.52948	38.2924	0.4941	0.0119	52.3701
Health Club	0.828004 / 0.507486	2.0828	0.0271	6.5000e-004	2.8539
High Turnover (Sit Down Restaurant)	1.8212 / 0.116247	3.5629	0.0595	1.4300e-003	5.2550
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	6.5154 / 4.10754	16.5053	0.2130	5.1500e-003	22.5733
Supermarket	8.1357 / 0.25162	15.6439	0.2657	6.3800e-003	23.2018
<b>Total</b>		<b>105.0817</b>	<b>1.0606</b>	<b>0.0258</b>	<b>135.3601</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 28.4764	28.9944	1.3100e-003	2.7000e-004	29.1060
Condo/Townhouse	15.1157 / 9.52948	38.2924	0.4940	0.0119	52.3625
Health Club	0.828004 / 0.507486	2.0828	0.0271	6.5000e-004	2.8535
High Turnover (Sit Down Restaurant)	1.8212 / 0.116247	3.5629	0.0595	1.4300e-003	5.2541
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	6.5154 / 4.10754	16.5053	0.2129	5.1400e-003	22.5700
Supermarket	8.1357 / 0.25162	15.6439	0.2656	6.3700e-003	23.1977
<b>Total</b>		<b>105.0817</b>	<b>1.0604</b>	<b>0.0258</b>	<b>135.3437</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	152.7182	9.0254	0.0000	342.2514
Unmitigated	152.7182	9.0254	0.0000	342.2514

**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	2.06	0.4182	0.0247	0.0000	0.9371
Condo/Townhouse	106.72	21.6632	1.2803	0.0000	48.5486
Health Club	79.8	16.1987	0.9573	0.0000	36.3023
High Turnover (Sit Down Restaurant)	71.4	14.4936	0.8565	0.0000	32.4810
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	120.12	24.3833	1.4410	0.0000	54.6445
Supermarket	372.24	75.5614	4.4656	0.0000	169.3379
<b>Total</b>		<b>152.7182</b>	<b>9.0254</b>	<b>0.0000</b>	<b>342.2514</b>

### 8.2 Waste by Land Use

#### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	2.06	0.4182	0.0247	0.0000	0.9371
Condo/Townhouse	106.72	21.6632	1.2803	0.0000	48.5486
Health Club	79.8	16.1987	0.9573	0.0000	36.3023
High Turnover (Sit Down Restaurant)	71.4	14.4936	0.8565	0.0000	32.4810
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	120.12	24.3833	1.4410	0.0000	54.6445
Supermarket	372.24	75.5614	4.4656	0.0000	169.3379
<b>Total</b>		<b>152.7182</b>	<b>9.0254</b>	<b>0.0000</b>	<b>342.2514</b>

### 9.0 Operational Offroad

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

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	367.9640	0.0000	0.0000	367.9640

### 10.1 Vegetation Land Change

#### Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Grassland	69.6 / 0	-299.9760	0.0000	0.0000	-299.9760
<b>Total</b>		<b>-299.9760</b>	<b>0.0000</b>	<b>0.0000</b>	<b>-299.9760</b>



**10.2 Net New Trees**

**Species Class**

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Mixed Hardwood	910	667.9400	0.0000	0.0000	667.9400
<b>Total</b>		<b>667.9400</b>	<b>0.0000</b>	<b>0.0000</b>	<b>667.9400</b>

## Oak Knoll Phase I - Onsite Crushing Alameda County, Annual

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	10.30	Acre	10.30	448,668.00	0
Parking Lot	87.21	1000sqft	2.00	87,210.00	0
City Park	23.90	Acre	23.90	1,041,084.00	0
Health Club	14.00	1000sqft	2.80	14,000.00	0
High Turnover (Sit Down Restaurant)	6.00	1000sqft	0.55	6,000.00	0
Condo/Townhouse	232.00	Dwelling Unit	13.00	232,000.00	664
Single Family Housing	100.00	Dwelling Unit	9.20	180,000.00	286
Supermarket	66.00	1000sqft	6.05	66,000.00	0

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	63
<b>Climate Zone</b>	5			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<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 - Updated project specific data.

Construction Phase - Project specific construction schedule.

Off-road Equipment - Project specific info for on-site material crushing.

Trips and VMT - No hauling trips for on-site processing.

Demolition -

Grading - Project specific information.

Architectural Coating -

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation - BAAQMD Basic Construction Mitigation.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1,110.00	1,116.00
tblConstructionPhase	NumDays	70.00	120.00
tblConstructionPhase	NumDays	110.00	111.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	10/4/2017	8/7/2017
tblConstructionPhase	PhaseStartDate	8/19/2017	6/22/2017
tblGrading	AcresOfGrading	277.50	67.60
tblGrading	AcresOfGrading	0.00	67.60
tblLandUse	LotAcreage	0.32	2.80
tblLandUse	LotAcreage	0.14	0.55

tblLandUse	LotAcreage	14.50	13.00
tblLandUse	LotAcreage	32.47	9.20
tblLandUse	LotAcreage	1.52	6.05
tblOffRoadEquipment	HorsePower	85.00	340.00
tblOffRoadEquipment	HorsePower	84.00	134.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblProjectCharacteristics	OperationalYear	2014	2024
tblTripsAndVMT	HaulingTripNumber	10,877.00	0.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	3.45	3.16
tblVehicleEF	HHD	1.09	1.18
tblVehicleEF	HHD	60.69	70.28
tblVehicleEF	HHD	527.63	528.30
tblVehicleEF	HHD	1,551.39	1,562.90
tblVehicleEF	HHD	49.32	49.33
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	3.27	3.98
tblVehicleEF	HHD	2.13	3.95
tblVehicleEF	HHD	3.88	4.42
tblVehicleEF	HHD	9.0910e-003	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	8.3800e-004	1.3290e-003
tblVehicleEF	HHD	8.3640e-003	9.4890e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7720e-003	8.7660e-003

tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	7.7700e-004	1.2320e-003
tblVehicleEF	HHD	1.2500e-003	1.4640e-003
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	0.61	0.56
tblVehicleEF	HHD	8.9000e-004	1.0080e-003
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tblVehicleEF	HHD	0.40	0.53
tblVehicleEF	HHD	1.60	2.31
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tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.5500e-003	1.7230e-003
tblVehicleEF	HHD	1.2500e-003	1.4640e-003
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	0.70	0.64
tblVehicleEF	HHD	8.9000e-004	1.0080e-003
tblVehicleEF	HHD	0.25	0.27
tblVehicleEF	HHD	0.40	0.53
tblVehicleEF	HHD	1.71	2.47
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.50	2.29
tblVehicleEF	HHD	1.09	1.19
tblVehicleEF	HHD	41.34	46.57
tblVehicleEF	HHD	558.98	559.68
tblVehicleEF	HHD	1,551.39	1,562.90
tblVehicleEF	HHD	49.32	49.33
tblVehicleEF	HHD	0.05	0.05

tblVehicleEF	HHD	3.37	4.10
tblVehicleEF	HHD	2.05	3.81
tblVehicleEF	HHD	3.60	4.10
tblVehicleEF	HHD	7.6640e-003	8.6950e-003
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	8.3800e-004	1.3290e-003
tblVehicleEF	HHD	7.0510e-003	8.0000e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7720e-003	8.7660e-003
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	7.7700e-004	1.2320e-003
tblVehicleEF	HHD	3.1140e-003	3.8410e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	0.58	0.53
tblVehicleEF	HHD	1.9820e-003	2.4480e-003
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	0.39	0.52
tblVehicleEF	HHD	1.27	1.77
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tblVehicleEF	HHD	1.2360e-003	1.3340e-003
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tblVehicleEF	HHD	0.66	0.60
tblVehicleEF	HHD	1.9820e-003	2.4480e-003
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tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	4.75	4.35
tblVehicleEF	HHD	1.08	1.18
tblVehicleEF	HHD	77.65	91.37
tblVehicleEF	HHD	484.34	484.95
tblVehicleEF	HHD	1,551.39	1,562.90
tblVehicleEF	HHD	49.32	49.33
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	3.12	3.80
tblVehicleEF	HHD	2.16	4.02
tblVehicleEF	HHD	4.09	4.66
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	8.3800e-004	1.3290e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7720e-003	8.7660e-003
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	7.7700e-004	1.2320e-003
tblVehicleEF	HHD	5.6900e-004	6.0300e-004
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	0.66	0.61
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tblVehicleEF	HHD	0.45	0.59
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tblVehicleEF	HHD	5.6900e-004	6.0300e-004
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tblVehicleEF	HHD	0.75	0.69
tblVehicleEF	HHD	4.2800e-004	4.4100e-004
tblVehicleEF	HHD	0.25	0.27
tblVehicleEF	HHD	0.45	0.59
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tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	1.8980e-003	1.8390e-003
tblVehicleEF	LDA	4.2000e-003	3.5030e-003
tblVehicleEF	LDA	1.7600e-003	1.7040e-003
tblVehicleEF	LDA	3.8970e-003	3.2490e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.07	0.09



tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.20	0.23
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	3.4120e-003	3.4130e-003
tblVehicleEF	LDA	7.5900e-004	7.6500e-004
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tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.23
tblVehicleEF	LDA	0.09	0.12
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tblVehicleEF	LDA	0.54	0.54
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	1.8980e-003	1.8390e-003
tblVehicleEF	LDA	4.2000e-003	3.5030e-003
tblVehicleEF	LDA	1.7600e-003	1.7040e-003
tblVehicleEF	LDA	3.8970e-003	3.2490e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.05	0.06

tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.18	0.22
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	3.6920e-003	3.6940e-003
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tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.18	0.22
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	8.3230e-003	9.4700e-003
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tblVehicleEF	LDA	217.40	233.93
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tblVehicleEF	LDA	0.54	0.54
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	1.8980e-003	1.8390e-003
tblVehicleEF	LDA	4.2000e-003	3.5030e-003
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tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.01	0.02

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tblVehicleEF	LDA	7.6500e-004	7.7200e-004
tblVehicleEF	LDA	9.3570e-003	0.01
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDT1	0.01	0.02
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tblVehicleEF	LDT1	3.19	4.43
tblVehicleEF	LDT1	271.84	288.91
tblVehicleEF	LDT1	59.80	63.56
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tblVehicleEF	LDT1	0.16	0.22
tblVehicleEF	LDT1	0.17	0.23
tblVehicleEF	LDT1	2.8090e-003	3.3250e-003
tblVehicleEF	LDT1	4.6960e-003	4.7660e-003
tblVehicleEF	LDT1	2.6050e-003	3.0830e-003
tblVehicleEF	LDT1	4.3570e-003	4.4200e-003
tblVehicleEF	LDT1	0.08	0.10
tblVehicleEF	LDT1	0.21	0.25
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.74	0.87

tblVehicleEF	LDT1	0.22	0.32
tblVehicleEF	LDT1	3.9580e-003	3.9590e-003
tblVehicleEF	LDT1	9.0700e-004	9.2400e-004
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tblVehicleEF	LDT1	0.21	0.25
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tblVehicleEF	LDT1	0.24	0.34
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.63	2.20
tblVehicleEF	LDT1	2.12	2.94
tblVehicleEF	LDT1	292.76	310.88
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tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.14	0.19
tblVehicleEF	LDT1	0.15	0.21
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tblVehicleEF	LDT1	4.6960e-003	4.7660e-003
tblVehicleEF	LDT1	2.6050e-003	3.0830e-003
tblVehicleEF	LDT1	4.3570e-003	4.4200e-003
tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.24	0.29
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.67	0.80
tblVehicleEF	LDT1	0.17	0.24

tblVehicleEF	LDT1	4.2680e-003	4.2660e-003
tblVehicleEF	LDT1	8.8800e-004	8.9800e-004
tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.24	0.29
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.05	0.07
tblVehicleEF	LDT1	0.67	0.80
tblVehicleEF	LDT1	0.18	0.25
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.40	1.91
tblVehicleEF	LDT1	3.91	5.44
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tblVehicleEF	LDT1	0.17	0.24
tblVehicleEF	LDT1	0.18	0.25
tblVehicleEF	LDT1	2.8090e-003	3.3250e-003
tblVehicleEF	LDT1	4.6960e-003	4.7660e-003
tblVehicleEF	LDT1	2.6050e-003	3.0830e-003
tblVehicleEF	LDT1	4.3570e-003	4.4200e-003
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.23	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.91	1.08
tblVehicleEF	LDT1	0.26	0.37
tblVehicleEF	LDT1	3.9270e-003	3.9280e-003

tblVehicleEF	LDT1	9.2000e-004	9.4100e-004
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.23	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.91	1.08
tblVehicleEF	LDT1	0.28	0.40
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tblVehicleEF	LDT2	6.6260e-003	9.4410e-003
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tblVehicleEF	LDT2	1.82	2.51
tblVehicleEF	LDT2	334.46	352.05
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tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.13	0.20
tblVehicleEF	LDT2	1.8300e-003	1.7470e-003
tblVehicleEF	LDT2	4.0760e-003	3.3870e-003
tblVehicleEF	LDT2	1.6980e-003	1.6200e-003
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tblVehicleEF	LDT2	0.12	0.13
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tblVehicleEF	LDT2	0.12	0.17
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tblVehicleEF	LDT2	1.0380e-003	1.0470e-003

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tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.39	0.44
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	6.6260e-003	9.4410e-003
tblVehicleEF	LDT2	0.95	1.20
tblVehicleEF	LDT2	1.20	1.66
tblVehicleEF	LDT2	360.96	379.89
tblVehicleEF	LDT2	73.52	77.51
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.12	0.18
tblVehicleEF	LDT2	1.8300e-003	1.7470e-003
tblVehicleEF	LDT2	4.0760e-003	3.3870e-003
tblVehicleEF	LDT2	1.6980e-003	1.6200e-003
tblVehicleEF	LDT2	3.7820e-003	3.1420e-003
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.36	0.40
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	5.0120e-003	5.0160e-003
tblVehicleEF	LDT2	1.0270e-003	1.0330e-003
tblVehicleEF	LDT2	0.10	0.11

tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.36	0.40
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	6.6260e-003	9.4410e-003
tblVehicleEF	LDT2	0.80	1.02
tblVehicleEF	LDT2	2.23	3.08
tblVehicleEF	LDT2	331.81	349.26
tblVehicleEF	LDT2	73.52	77.51
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.11	0.14
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	1.8300e-003	1.7470e-003
tblVehicleEF	LDT2	4.0760e-003	3.3870e-003
tblVehicleEF	LDT2	1.6980e-003	1.6200e-003
tblVehicleEF	LDT2	3.7820e-003	3.1420e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.47	0.53
tblVehicleEF	LDT2	0.14	0.20
tblVehicleEF	LDT2	4.6040e-003	4.6080e-003
tblVehicleEF	LDT2	1.0450e-003	1.0570e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.12	0.14



tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.47	0.53
tblVehicleEF	LDT2	0.15	0.21
tblVehicleEF	LHD1	1.1880e-003	1.2340e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.18
tblVehicleEF	LHD1	1.07	1.58
tblVehicleEF	LHD1	3.85	4.68
tblVehicleEF	LHD1	760.22	760.62
tblVehicleEF	LHD1	40.00	39.57
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.81	1.09
tblVehicleEF	LHD1	1.19	1.31
tblVehicleEF	LHD1	5.5800e-004	5.7600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	9.3700e-004
tblVehicleEF	LHD1	5.1400e-004	5.3000e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	8.6700e-004
tblVehicleEF	LHD1	1.8220e-003	2.0040e-003
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.1450e-003	1.1820e-003
tblVehicleEF	LHD1	0.10	0.15

tblVehicleEF	LHD1	0.43	0.45
tblVehicleEF	LHD1	0.31	0.40
tblVehicleEF	LHD1	8.3820e-003	8.3950e-003
tblVehicleEF	LHD1	5.1400e-004	5.2500e-004
tblVehicleEF	LHD1	1.8220e-003	2.0040e-003
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.1450e-003	1.1820e-003
tblVehicleEF	LHD1	0.12	0.17
tblVehicleEF	LHD1	0.43	0.45
tblVehicleEF	LHD1	0.33	0.43
tblVehicleEF	LHD1	1.1880e-003	1.2340e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.18
tblVehicleEF	LHD1	1.10	1.63
tblVehicleEF	LHD1	2.63	3.17
tblVehicleEF	LHD1	760.22	760.62
tblVehicleEF	LHD1	40.00	39.57
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.76	1.03
tblVehicleEF	LHD1	1.11	1.22
tblVehicleEF	LHD1	5.5800e-004	5.7600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	9.3700e-004
tblVehicleEF	LHD1	5.1400e-004	5.3000e-004

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	8.6700e-004
tblVehicleEF	LHD1	4.4840e-003	5.0680e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4580e-003	2.6460e-003
tblVehicleEF	LHD1	0.10	0.15
tblVehicleEF	LHD1	0.41	0.44
tblVehicleEF	LHD1	0.25	0.32
tblVehicleEF	LHD1	8.3820e-003	8.3960e-003
tblVehicleEF	LHD1	4.9300e-004	4.9900e-004
tblVehicleEF	LHD1	4.4840e-003	5.0680e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4580e-003	2.6460e-003
tblVehicleEF	LHD1	0.12	0.18
tblVehicleEF	LHD1	0.41	0.44
tblVehicleEF	LHD1	0.27	0.34
tblVehicleEF	LHD1	1.1880e-003	1.2340e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.18
tblVehicleEF	LHD1	1.05	1.55
tblVehicleEF	LHD1	4.94	6.02
tblVehicleEF	LHD1	760.22	760.62
tblVehicleEF	LHD1	40.00	39.57
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.05	0.05

tblVehicleEF	LHD1	0.83	1.12
tblVehicleEF	LHD1	1.25	1.39
tblVehicleEF	LHD1	5.5800e-004	5.7600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	9.3700e-004
tblVehicleEF	LHD1	5.1400e-004	5.3000e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	8.6700e-004
tblVehicleEF	LHD1	7.7500e-004	7.8900e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	5.6100e-004	5.5300e-004
tblVehicleEF	LHD1	0.10	0.14
tblVehicleEF	LHD1	0.48	0.50
tblVehicleEF	LHD1	0.36	0.47
tblVehicleEF	LHD1	8.3820e-003	8.3940e-003
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tblVehicleEF	LHD1	7.7500e-004	7.8900e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	5.6100e-004	5.5300e-004
tblVehicleEF	LHD1	0.12	0.17
tblVehicleEF	LHD1	0.48	0.50
tblVehicleEF	LHD1	0.39	0.50
tblVehicleEF	LHD2	9.3200e-004	9.6400e-004
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7060e-003	0.01

tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.79	1.09
tblVehicleEF	LHD2	2.22	2.76
tblVehicleEF	LHD2	657.39	658.41
tblVehicleEF	LHD2	26.95	26.60
tblVehicleEF	LHD2	4.5480e-003	4.5640e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.16	1.59
tblVehicleEF	LHD2	0.73	0.82
tblVehicleEF	LHD2	1.1160e-003	1.1420e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1900e-004	5.0100e-004
tblVehicleEF	LHD2	1.0270e-003	1.0510e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.5360e-003	2.5350e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.9600e-004	4.6400e-004
tblVehicleEF	LHD2	9.8400e-004	1.1630e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.3700e-004	6.8900e-004
tblVehicleEF	LHD2	0.09	0.13
tblVehicleEF	LHD2	0.24	0.30
tblVehicleEF	LHD2	0.17	0.23
tblVehicleEF	LHD2	7.1750e-003	7.1900e-003
tblVehicleEF	LHD2	3.3900e-004	3.4600e-004

tblVehicleEF	LHD2	9.8400e-004	1.1630e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.3700e-004	6.8900e-004
tblVehicleEF	LHD2	0.11	0.15
tblVehicleEF	LHD2	0.24	0.30
tblVehicleEF	LHD2	0.18	0.25
tblVehicleEF	LHD2	9.3200e-004	9.6400e-004
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7060e-003	0.01
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.80	1.11
tblVehicleEF	LHD2	1.52	1.89
tblVehicleEF	LHD2	657.39	658.41
tblVehicleEF	LHD2	26.95	26.60
tblVehicleEF	LHD2	4.5480e-003	4.5640e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.11	1.53
tblVehicleEF	LHD2	0.67	0.76
tblVehicleEF	LHD2	1.1160e-003	1.1420e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1900e-004	5.0100e-004
tblVehicleEF	LHD2	1.0270e-003	1.0510e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.5360e-003	2.5350e-003
tblVehicleEF	LHD2	0.02	0.02

tblVehicleEF	LHD2	2.9600e-004	4.6400e-004
tblVehicleEF	LHD2	2.4020e-003	2.9310e-003
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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3550e-003	1.5390e-003
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tblVehicleEF	LHD2	0.24	0.29
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tblVehicleEF	LHD2	2.4020e-003	2.9310e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3550e-003	1.5390e-003
tblVehicleEF	LHD2	0.11	0.15
tblVehicleEF	LHD2	0.24	0.29
tblVehicleEF	LHD2	0.15	0.20
tblVehicleEF	LHD2	9.3200e-004	9.6400e-004
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7060e-003	0.01
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.79	1.08
tblVehicleEF	LHD2	2.84	3.54
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tblVehicleEF	LHD2	26.95	26.60
tblVehicleEF	LHD2	4.5480e-003	4.5640e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.18	1.63

tblVehicleEF	LHD2	0.77	0.86
tblVehicleEF	LHD2	1.1160e-003	1.1420e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1900e-004	5.0100e-004
tblVehicleEF	LHD2	1.0270e-003	1.0510e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.5360e-003	2.5350e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.9600e-004	4.6400e-004
tblVehicleEF	LHD2	4.3500e-004	4.6700e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1800e-004	3.2900e-004
tblVehicleEF	LHD2	0.09	0.13
tblVehicleEF	LHD2	0.27	0.34
tblVehicleEF	LHD2	0.20	0.27
tblVehicleEF	LHD2	7.1750e-003	7.1900e-003
tblVehicleEF	LHD2	3.5000e-004	3.5900e-004
tblVehicleEF	LHD2	4.3500e-004	4.6700e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1800e-004	3.2900e-004
tblVehicleEF	LHD2	0.11	0.15
tblVehicleEF	LHD2	0.27	0.34
tblVehicleEF	LHD2	0.21	0.29
tblVehicleEF	MCY	24.39	25.63



tblVehicleEF	MCY	11.21	11.07
tblVehicleEF	MCY	150.64	148.31
tblVehicleEF	MCY	37.25	38.43
tblVehicleEF	MCY	5.6760e-003	5.6840e-003
tblVehicleEF	MCY	1.23	1.24
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	2.8600e-004	3.7200e-004
tblVehicleEF	MCY	7.7900e-004	1.0700e-003
tblVehicleEF	MCY	2.4500e-004	3.1100e-004
tblVehicleEF	MCY	6.6600e-004	8.8300e-004
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	0.35	0.37
tblVehicleEF	MCY	0.33	0.33
tblVehicleEF	MCY	2.67	2.71
tblVehicleEF	MCY	1.22	1.34
tblVehicleEF	MCY	2.23	2.27
tblVehicleEF	MCY	2.1400e-003	2.1350e-003
tblVehicleEF	MCY	6.6000e-004	6.7200e-004
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	0.35	0.37
tblVehicleEF	MCY	0.33	0.33
tblVehicleEF	MCY	2.92	2.97
tblVehicleEF	MCY	1.22	1.34
tblVehicleEF	MCY	2.39	2.43
tblVehicleEF	MCY	22.97	24.10
tblVehicleEF	MCY	8.82	8.79
tblVehicleEF	MCY	150.64	148.31
tblVehicleEF	MCY	37.25	38.43

tblVehicleEF	MCY	5.6760e-003	5.6840e-003
tblVehicleEF	MCY	1.07	1.08
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.8600e-004	3.7200e-004
tblVehicleEF	MCY	7.7900e-004	1.0700e-003
tblVehicleEF	MCY	2.4500e-004	3.1100e-004
tblVehicleEF	MCY	6.6600e-004	8.8300e-004
tblVehicleEF	MCY	1.80	1.81
tblVehicleEF	MCY	0.52	0.54
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	2.57	2.60
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	1.79	1.81
tblVehicleEF	MCY	2.1150e-003	2.1080e-003
tblVehicleEF	MCY	6.0900e-004	6.2200e-004
tblVehicleEF	MCY	1.80	1.81
tblVehicleEF	MCY	0.52	0.54
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	2.81	2.85
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	1.92	1.94
tblVehicleEF	MCY	26.55	27.96
tblVehicleEF	MCY	13.38	13.16
tblVehicleEF	MCY	150.64	148.31
tblVehicleEF	MCY	37.25	38.43
tblVehicleEF	MCY	5.6760e-003	5.6840e-003
tblVehicleEF	MCY	1.31	1.33
tblVehicleEF	MCY	0.34	0.34

tblVehicleEF	MCY	2.8600e-004	3.7200e-004
tblVehicleEF	MCY	7.7900e-004	1.0700e-003
tblVehicleEF	MCY	2.4500e-004	3.1100e-004
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tblVehicleEF	MCY	0.14	0.14
tblVehicleEF	MCY	0.41	0.43
tblVehicleEF	MCY	0.10	0.10
tblVehicleEF	MCY	2.77	2.83
tblVehicleEF	MCY	1.53	1.66
tblVehicleEF	MCY	2.61	2.66
tblVehicleEF	MCY	2.1770e-003	2.1750e-003
tblVehicleEF	MCY	7.0600e-004	7.1800e-004
tblVehicleEF	MCY	0.14	0.14
tblVehicleEF	MCY	0.41	0.43
tblVehicleEF	MCY	0.10	0.10
tblVehicleEF	MCY	3.03	3.09
tblVehicleEF	MCY	1.53	1.66
tblVehicleEF	MCY	2.80	2.86
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.38	1.86
tblVehicleEF	MDV	3.86	5.08
tblVehicleEF	MDV	447.62	469.15
tblVehicleEF	MDV	98.69	103.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.20	0.27
tblVehicleEF	MDV	0.32	0.43
tblVehicleEF	MDV	2.0280e-003	2.1340e-003

tblVehicleEF	MDV	4.0140e-003	3.7390e-003
tblVehicleEF	MDV	1.8810e-003	1.9730e-003
tblVehicleEF	MDV	3.7240e-003	3.4600e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.05
tblVehicleEF	MDV	0.64	0.68
tblVehicleEF	MDV	0.30	0.41
tblVehicleEF	MDV	5.9290e-003	5.9270e-003
tblVehicleEF	MDV	1.3450e-003	1.3610e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.64	0.68
tblVehicleEF	MDV	0.32	0.44
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.62	2.15
tblVehicleEF	MDV	2.55	3.38
tblVehicleEF	MDV	482.76	505.78
tblVehicleEF	MDV	98.69	103.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.17	0.23
tblVehicleEF	MDV	0.28	0.38
tblVehicleEF	MDV	2.0280e-003	2.1340e-003
tblVehicleEF	MDV	4.0140e-003	3.7390e-003

tblVehicleEF	MDV	1.8810e-003	1.9730e-003
tblVehicleEF	MDV	3.7240e-003	3.4600e-003
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.22	0.23
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.60	0.63
tblVehicleEF	MDV	0.23	0.31
tblVehicleEF	MDV	6.3980e-003	6.3950e-003
tblVehicleEF	MDV	1.3220e-003	1.3310e-003
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.22	0.23
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.60	0.63
tblVehicleEF	MDV	0.24	0.33
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.36	1.87
tblVehicleEF	MDV	4.74	6.23
tblVehicleEF	MDV	444.10	465.49
tblVehicleEF	MDV	98.69	103.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.21	0.29
tblVehicleEF	MDV	0.35	0.47
tblVehicleEF	MDV	2.0280e-003	2.1340e-003
tblVehicleEF	MDV	4.0140e-003	3.7390e-003
tblVehicleEF	MDV	1.8810e-003	1.9730e-003

tblVehicleEF	MDV	3.7240e-003	3.4600e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.03	0.05
tblVehicleEF	MDV	0.78	0.82
tblVehicleEF	MDV	0.35	0.48
tblVehicleEF	MDV	5.8820e-003	5.8810e-003
tblVehicleEF	MDV	1.3600e-003	1.3810e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.78	0.82
tblVehicleEF	MDV	0.38	0.52
tblVehicleEF	MH	1.01	2.33
tblVehicleEF	MH	6.18	8.22
tblVehicleEF	MH	665.11	664.76
tblVehicleEF	MH	28.78	28.97
tblVehicleEF	MH	1.4000e-003	1.4180e-003
tblVehicleEF	MH	1.03	1.34
tblVehicleEF	MH	0.67	0.81
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	8.2600e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	7.5600e-004

tblVehicleEF	MH	0.56	0.77
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.06	0.10
tblVehicleEF	MH	1.29	1.92
tblVehicleEF	MH	0.32	0.44
tblVehicleEF	MH	7.3310e-003	7.3500e-003
tblVehicleEF	MH	4.2600e-004	4.6400e-004
tblVehicleEF	MH	0.56	0.77
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.08	0.13
tblVehicleEF	MH	1.29	1.92
tblVehicleEF	MH	0.34	0.47
tblVehicleEF	MH	1.05	2.42
tblVehicleEF	MH	4.17	5.43
tblVehicleEF	MH	665.11	664.76
tblVehicleEF	MH	28.78	28.97
tblVehicleEF	MH	1.4000e-003	1.4180e-003
tblVehicleEF	MH	0.96	1.24
tblVehicleEF	MH	0.62	0.75
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	8.2600e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	7.5600e-004
tblVehicleEF	MH	1.37	1.92

tblVehicleEF	MH	0.06	0.08
tblVehicleEF	MH	0.51	0.66
tblVehicleEF	MH	0.06	0.11
tblVehicleEF	MH	1.25	1.86
tblVehicleEF	MH	0.25	0.34
tblVehicleEF	MH	7.3320e-003	7.3510e-003
tblVehicleEF	MH	3.9300e-004	4.1700e-004
tblVehicleEF	MH	1.37	1.92
tblVehicleEF	MH	0.06	0.08
tblVehicleEF	MH	0.51	0.66
tblVehicleEF	MH	0.08	0.13
tblVehicleEF	MH	1.25	1.86
tblVehicleEF	MH	0.27	0.36
tblVehicleEF	MH	0.98	2.28
tblVehicleEF	MH	7.96	10.73
tblVehicleEF	MH	665.11	664.76
tblVehicleEF	MH	28.78	28.97
tblVehicleEF	MH	1.4000e-003	1.4180e-003
tblVehicleEF	MH	1.07	1.39
tblVehicleEF	MH	0.71	0.85
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	8.2600e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	7.5600e-004
tblVehicleEF	MH	0.23	0.28
tblVehicleEF	MH	0.06	0.09



tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.06	0.10
tblVehicleEF	MH	1.40	2.07
tblVehicleEF	MH	0.37	0.52
tblVehicleEF	MH	7.3310e-003	7.3490e-003
tblVehicleEF	MH	4.5600e-004	5.0600e-004
tblVehicleEF	MH	0.23	0.28
tblVehicleEF	MH	0.06	0.09
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.08	0.13
tblVehicleEF	MH	1.40	2.07
tblVehicleEF	MH	0.40	0.56
tblVehicleEF	MHD	8.2190e-003	7.6250e-003
tblVehicleEF	MHD	4.7320e-003	5.4130e-003
tblVehicleEF	MHD	2.09	1.91
tblVehicleEF	MHD	0.49	0.68
tblVehicleEF	MHD	13.77	18.36
tblVehicleEF	MHD	572.65	572.01
tblVehicleEF	MHD	1,004.94	1,006.95
tblVehicleEF	MHD	49.32	49.71
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.33	4.63
tblVehicleEF	MHD	0.99	1.86
tblVehicleEF	MHD	1.43	1.81
tblVehicleEF	MHD	7.6380e-003	0.01
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.05

tblVehicleEF	MHD	1.0610e-003	1.6720e-003
tblVehicleEF	MHD	7.0270e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8910e-003	2.8860e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	9.8500e-004	1.5290e-003
tblVehicleEF	MHD	1.5750e-003	1.8870e-003
tblVehicleEF	MHD	0.08	0.09
tblVehicleEF	MHD	0.18	0.16
tblVehicleEF	MHD	9.7900e-004	1.0890e-003
tblVehicleEF	MHD	0.11	0.13
tblVehicleEF	MHD	0.44	0.50
tblVehicleEF	MHD	0.76	1.03
tblVehicleEF	MHD	6.0700e-003	6.0640e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8700e-004	8.7200e-004
tblVehicleEF	MHD	1.5750e-003	1.8870e-003
tblVehicleEF	MHD	0.08	0.09
tblVehicleEF	MHD	0.20	0.19
tblVehicleEF	MHD	9.7900e-004	1.0890e-003
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	0.44	0.50
tblVehicleEF	MHD	0.81	1.10
tblVehicleEF	MHD	7.7450e-003	7.1860e-003
tblVehicleEF	MHD	4.7320e-003	5.4130e-003
tblVehicleEF	MHD	1.52	1.39
tblVehicleEF	MHD	0.50	0.69
tblVehicleEF	MHD	9.39	12.44

tblVehicleEF	MHD	606.67	605.99
tblVehicleEF	MHD	1,004.94	1,006.95
tblVehicleEF	MHD	49.32	49.71
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.43	4.78
tblVehicleEF	MHD	0.95	1.78
tblVehicleEF	MHD	1.33	1.68
tblVehicleEF	MHD	6.4380e-003	0.01
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	1.0610e-003	1.6720e-003
tblVehicleEF	MHD	5.9230e-003	9.2440e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8910e-003	2.8860e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	9.8500e-004	1.5290e-003
tblVehicleEF	MHD	3.9820e-003	4.9690e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.15
tblVehicleEF	MHD	2.1900e-003	2.6080e-003
tblVehicleEF	MHD	0.11	0.13
tblVehicleEF	MHD	0.42	0.48
tblVehicleEF	MHD	0.61	0.81
tblVehicleEF	MHD	6.4310e-003	6.4240e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.1400e-004	7.7200e-004
tblVehicleEF	MHD	3.9820e-003	4.9690e-003

tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.19	0.18
tblVehicleEF	MHD	2.1900e-003	2.6080e-003
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	0.42	0.48
tblVehicleEF	MHD	0.65	0.87
tblVehicleEF	MHD	8.8720e-003	8.2320e-003
tblVehicleEF	MHD	4.7320e-003	5.4130e-003
tblVehicleEF	MHD	2.88	2.63
tblVehicleEF	MHD	0.49	0.67
tblVehicleEF	MHD	17.59	23.57
tblVehicleEF	MHD	525.67	525.08
tblVehicleEF	MHD	1,004.94	1,006.95
tblVehicleEF	MHD	49.32	49.71
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.18	4.43
tblVehicleEF	MHD	1.01	1.90
tblVehicleEF	MHD	1.51	1.91
tblVehicleEF	MHD	9.2930e-003	0.01
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	1.0610e-003	1.6720e-003
tblVehicleEF	MHD	8.5500e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8910e-003	2.8860e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	9.8500e-004	1.5290e-003

tblVehicleEF	MHD	6.4200e-004	6.8900e-004
tblVehicleEF	MHD	0.08	0.10
tblVehicleEF	MHD	0.19	0.18
tblVehicleEF	MHD	4.5900e-004	4.7200e-004
tblVehicleEF	MHD	0.11	0.13
tblVehicleEF	MHD	0.49	0.56
tblVehicleEF	MHD	0.88	1.21
tblVehicleEF	MHD	5.5720e-003	5.5660e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	8.5100e-004	9.5900e-004
tblVehicleEF	MHD	6.4200e-004	6.8900e-004
tblVehicleEF	MHD	0.08	0.10
tblVehicleEF	MHD	0.22	0.20
tblVehicleEF	MHD	4.5900e-004	4.7200e-004
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	0.49	0.56
tblVehicleEF	MHD	0.94	1.29
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	2.9530e-003	2.9570e-003
tblVehicleEF	OBUS	3.30	2.74
tblVehicleEF	OBUS	0.83	1.17
tblVehicleEF	OBUS	9.00	11.14
tblVehicleEF	OBUS	533.48	534.88
tblVehicleEF	OBUS	1,045.10	1,039.91
tblVehicleEF	OBUS	32.73	32.82
tblVehicleEF	OBUS	1.8110e-003	1.7890e-003
tblVehicleEF	OBUS	3.20	4.65
tblVehicleEF	OBUS	1.12	2.32

tblVehicleEF	OBUS	1.18	1.44
tblVehicleEF	OBUS	8.7920e-003	9.5470e-003
tblVehicleEF	OBUS	0.10	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	4.5100e-004	6.0300e-004
tblVehicleEF	OBUS	8.0890e-003	8.7830e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.6290e-003	2.6130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	4.1900e-004	5.5500e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.56	0.47
tblVehicleEF	OBUS	3.4900e-004	3.3500e-004
tblVehicleEF	OBUS	0.12	0.14
tblVehicleEF	OBUS	0.31	0.31
tblVehicleEF	OBUS	0.52	0.64
tblVehicleEF	OBUS	5.6550e-003	5.6700e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.2100e-004	5.5900e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.64	0.53
tblVehicleEF	OBUS	3.4900e-004	3.3500e-004
tblVehicleEF	OBUS	0.15	0.17
tblVehicleEF	OBUS	0.31	0.31
tblVehicleEF	OBUS	0.55	0.69
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	2.9530e-003	2.9570e-003

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tblVehicleEF	OBUS	0.84	1.20
tblVehicleEF	OBUS	6.14	7.60
tblVehicleEF	OBUS	565.17	566.66
tblVehicleEF	OBUS	1,045.10	1,039.91
tblVehicleEF	OBUS	32.73	32.82
tblVehicleEF	OBUS	1.8110e-003	1.7890e-003
tblVehicleEF	OBUS	3.30	4.79
tblVehicleEF	OBUS	1.06	2.21
tblVehicleEF	OBUS	1.09	1.34
tblVehicleEF	OBUS	7.4120e-003	8.0480e-003
tblVehicleEF	OBUS	0.10	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	4.5100e-004	6.0300e-004
tblVehicleEF	OBUS	6.8190e-003	7.4040e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.6290e-003	2.6130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	4.1900e-004	5.5500e-004
tblVehicleEF	OBUS	1.6210e-003	1.6590e-003
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tblVehicleEF	OBUS	0.53	0.44
tblVehicleEF	OBUS	7.4200e-004	7.4100e-004
tblVehicleEF	OBUS	0.13	0.15
tblVehicleEF	OBUS	0.30	0.30
tblVehicleEF	OBUS	0.42	0.52
tblVehicleEF	OBUS	5.9910e-003	6.0070e-003

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.7300e-004	5.0000e-004
tblVehicleEF	OBUS	1.6210e-003	1.6590e-003
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tblVehicleEF	OBUS	0.30	0.30
tblVehicleEF	OBUS	0.44	0.55
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	2.9530e-003	2.9570e-003
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tblVehicleEF	OBUS	0.82	1.15
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tblVehicleEF	OBUS	489.71	491.00
tblVehicleEF	OBUS	1,045.10	1,039.91
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tblVehicleEF	OBUS	1.24	1.52
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.10	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	4.5100e-004	6.0300e-004
tblVehicleEF	OBUS	9.8420e-003	0.01
tblVehicleEF	OBUS	0.04	0.04



tblVehicleEF	OBUS	2.6290e-003	2.6130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	4.1900e-004	5.5500e-004
tblVehicleEF	OBUS	3.2900e-004	3.1100e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.60	0.50
tblVehicleEF	OBUS	1.8300e-004	1.7100e-004
tblVehicleEF	OBUS	0.12	0.14
tblVehicleEF	OBUS	0.34	0.34
tblVehicleEF	OBUS	0.60	0.75
tblVehicleEF	OBUS	5.1910e-003	5.2050e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.6300e-004	6.1100e-004
tblVehicleEF	OBUS	3.2900e-004	3.1100e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.69	0.57
tblVehicleEF	OBUS	1.8300e-004	1.7100e-004
tblVehicleEF	OBUS	0.14	0.17
tblVehicleEF	OBUS	0.34	0.34
tblVehicleEF	OBUS	0.64	0.80
tblVehicleEF	SBUS	4.8570e-003	4.4530e-003
tblVehicleEF	SBUS	5.1600e-003	4.6520e-003
tblVehicleEF	SBUS	1.19	1.05
tblVehicleEF	SBUS	2.64	5.36
tblVehicleEF	SBUS	25.41	37.29
tblVehicleEF	SBUS	556.14	547.00
tblVehicleEF	SBUS	966.46	975.49
tblVehicleEF	SBUS	115.30	116.58

tblVehicleEF	SBUS	1.8900e-004	1.9900e-004
tblVehicleEF	SBUS	7.12	7.58
tblVehicleEF	SBUS	5.53	6.35
tblVehicleEF	SBUS	2.38	2.88
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0800e-003	5.6600e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.20	0.20
tblVehicleEF	SBUS	2.6090e-003	2.6220e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	2.8580e-003	5.1250e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.19	0.25
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	8.0390e-003	0.01
tblVehicleEF	SBUS	0.26	0.47
tblVehicleEF	SBUS	2.54	2.91
tblVehicleEF	SBUS	1.49	2.21
tblVehicleEF	SBUS	5.8950e-003	5.7980e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7250e-003	1.9480e-003
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tblVehicleEF	SBUS	0.19	0.25
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	8.0390e-003	0.01

tblVehicleEF	SBUS	0.30	0.53
tblVehicleEF	SBUS	2.54	2.91
tblVehicleEF	SBUS	1.59	2.36
tblVehicleEF	SBUS	4.5770e-003	4.1970e-003
tblVehicleEF	SBUS	5.1600e-003	4.6520e-003
tblVehicleEF	SBUS	0.87	0.76
tblVehicleEF	SBUS	2.74	5.51
tblVehicleEF	SBUS	19.93	28.48
tblVehicleEF	SBUS	589.19	579.49
tblVehicleEF	SBUS	966.46	975.49
tblVehicleEF	SBUS	115.30	116.58
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tblVehicleEF	SBUS	7.35	7.82
tblVehicleEF	SBUS	5.27	6.03
tblVehicleEF	SBUS	2.18	2.64
tblVehicleEF	SBUS	9.6400e-003	0.01
tblVehicleEF	SBUS	0.47	0.48
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0800e-003	5.6600e-003
tblVehicleEF	SBUS	8.8690e-003	0.01
tblVehicleEF	SBUS	0.20	0.20
tblVehicleEF	SBUS	2.6090e-003	2.6220e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	2.8580e-003	5.1250e-003
tblVehicleEF	SBUS	0.05	0.08
tblVehicleEF	SBUS	0.19	0.26
tblVehicleEF	SBUS	0.10	0.09

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.27	0.49
tblVehicleEF	SBUS	2.24	2.58
tblVehicleEF	SBUS	1.29	1.83
tblVehicleEF	SBUS	6.2460e-003	6.1430e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6320e-003	1.7980e-003
tblVehicleEF	SBUS	0.05	0.08
tblVehicleEF	SBUS	0.19	0.26
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.31	0.55
tblVehicleEF	SBUS	2.24	2.58
tblVehicleEF	SBUS	1.38	1.96
tblVehicleEF	SBUS	5.2430e-003	4.8080e-003
tblVehicleEF	SBUS	5.1600e-003	4.6520e-003
tblVehicleEF	SBUS	1.64	1.45
tblVehicleEF	SBUS	2.58	5.31
tblVehicleEF	SBUS	30.21	45.42
tblVehicleEF	SBUS	510.52	502.12
tblVehicleEF	SBUS	966.46	975.49
tblVehicleEF	SBUS	115.30	116.58
tblVehicleEF	SBUS	1.8900e-004	1.9900e-004
tblVehicleEF	SBUS	6.81	7.24
tblVehicleEF	SBUS	5.65	6.50
tblVehicleEF	SBUS	2.52	3.05
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.47	0.48

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0800e-003	5.6600e-003
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.20	0.20
tblVehicleEF	SBUS	2.6090e-003	2.6220e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	2.8580e-003	5.1250e-003
tblVehicleEF	SBUS	7.5090e-003	9.9620e-003
tblVehicleEF	SBUS	0.21	0.29
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	3.8800e-003	5.0810e-003
tblVehicleEF	SBUS	0.26	0.46
tblVehicleEF	SBUS	3.14	3.57
tblVehicleEF	SBUS	1.66	2.53
tblVehicleEF	SBUS	5.4120e-003	5.3230e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.8050e-003	2.0860e-003
tblVehicleEF	SBUS	7.5090e-003	9.9620e-003
tblVehicleEF	SBUS	0.21	0.29
tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	3.8800e-003	5.0810e-003
tblVehicleEF	SBUS	0.30	0.51
tblVehicleEF	SBUS	3.14	3.57
tblVehicleEF	SBUS	1.77	2.71
tblVehicleEF	UBUS	3.48	3.54
tblVehicleEF	UBUS	4.88	4.94
tblVehicleEF	UBUS	2,139.09	2,150.04

tblVehicleEF	UBUS	9.91	9.91
tblVehicleEF	UBUS	3.5990e-003	3.6610e-003
tblVehicleEF	UBUS	13.62	14.14
tblVehicleEF	UBUS	0.63	0.63
tblVehicleEF	UBUS	0.23	0.24
tblVehicleEF	UBUS	2.1800e-004	2.2200e-004
tblVehicleEF	UBUS	0.21	0.22
tblVehicleEF	UBUS	2.0200e-004	2.0600e-004
tblVehicleEF	UBUS	1.6400e-003	1.5960e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	7.8000e-004	7.6300e-004
tblVehicleEF	UBUS	0.60	0.62
tblVehicleEF	UBUS	0.39	0.34
tblVehicleEF	UBUS	0.37	0.37
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.9800e-004	1.9900e-004
tblVehicleEF	UBUS	1.6400e-003	1.5960e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	7.8000e-004	7.6300e-004
tblVehicleEF	UBUS	0.68	0.70
tblVehicleEF	UBUS	0.39	0.34
tblVehicleEF	UBUS	0.39	0.39
tblVehicleEF	UBUS	3.53	3.59
tblVehicleEF	UBUS	3.59	3.64
tblVehicleEF	UBUS	2,139.09	2,150.04
tblVehicleEF	UBUS	9.91	9.91
tblVehicleEF	UBUS	3.5990e-003	3.6610e-003
tblVehicleEF	UBUS	13.06	13.56

tblVehicleEF	UBUS	0.58	0.58
tblVehicleEF	UBUS	0.23	0.24
tblVehicleEF	UBUS	2.1800e-004	2.2200e-004
tblVehicleEF	UBUS	0.21	0.22
tblVehicleEF	UBUS	2.0200e-004	2.0600e-004
tblVehicleEF	UBUS	4.1930e-003	4.1030e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.6980e-003	1.6920e-003
tblVehicleEF	UBUS	0.61	0.63
tblVehicleEF	UBUS	0.36	0.31
tblVehicleEF	UBUS	0.31	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.7600e-004	1.7700e-004
tblVehicleEF	UBUS	4.1930e-003	4.1030e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.6980e-003	1.6920e-003
tblVehicleEF	UBUS	0.69	0.71
tblVehicleEF	UBUS	0.36	0.31
tblVehicleEF	UBUS	0.33	0.32
tblVehicleEF	UBUS	3.45	3.51
tblVehicleEF	UBUS	6.00	6.08
tblVehicleEF	UBUS	2,139.09	2,150.04
tblVehicleEF	UBUS	9.91	9.91
tblVehicleEF	UBUS	3.5990e-003	3.6610e-003
tblVehicleEF	UBUS	13.85	14.37
tblVehicleEF	UBUS	0.67	0.66
tblVehicleEF	UBUS	0.23	0.24
tblVehicleEF	UBUS	2.1800e-004	2.2200e-004

tblVehicleEF	UBUS	0.21	0.22
tblVehicleEF	UBUS	2.0200e-004	2.0600e-004
tblVehicleEF	UBUS	5.9400e-004	5.7400e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	3.5600e-004	3.4400e-004
tblVehicleEF	UBUS	0.60	0.61
tblVehicleEF	UBUS	0.48	0.41
tblVehicleEF	UBUS	0.42	0.42
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.1700e-004	2.1900e-004
tblVehicleEF	UBUS	5.9400e-004	5.7400e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	3.5600e-004	3.4400e-004
tblVehicleEF	UBUS	0.67	0.69
tblVehicleEF	UBUS	0.48	0.41
tblVehicleEF	UBUS	0.45	0.44

## 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					
2017	0.9934	10.2430	7.6036	0.0120	2.0447	0.4737	2.5184	0.5953	0.4408	1.0361	0.0000	1,095.745 9	1,095.745 9	0.2443	0.0000	1,100.875 6
2018	1.3486	8.2341	15.1510	0.0309	1.5830	0.3026	1.8856	0.4277	0.2832	0.7109	0.0000	2,456.631 0	2,456.631 0	0.1535	0.0000	2,459.853 8
2019	1.2171	7.4717	14.1831	0.0309	1.5830	0.2655	1.8484	0.4277	0.2484	0.6761	0.0000	2,396.505 9	2,396.505 9	0.1479	0.0000	2,399.611 7
2020	1.1165	6.6179	13.4596	0.0309	1.5880	0.2333	1.8213	0.4291	0.2183	0.6473	0.0000	2,334.084 4	2,334.084 4	0.1439	0.0000	2,337.106 1
2021	11.7584	3.5267	7.5233	0.0177	0.8854	0.1340	1.0193	0.2389	0.1251	0.3641	0.0000	1,328.186 7	1,328.186 7	0.0993	0.0000	1,330.270 9
<b>Total</b>	<b>16.4339</b>	<b>36.0935</b>	<b>57.9206</b>	<b>0.1224</b>	<b>7.6840</b>	<b>1.4091</b>	<b>9.0930</b>	<b>2.1187</b>	<b>1.3157</b>	<b>3.4344</b>	<b>0.0000</b>	<b>9,611.153 8</b>	<b>9,611.153 8</b>	<b>0.7888</b>	<b>0.0000</b>	<b>9,627.718 0</b>



**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	10.0588	0.0425	3.6269	1.3000e-003		0.1828	0.1828		0.1828	0.1828	17.6297	14.0418	31.6714	0.0407	1.0500e-003	32.8507
Energy	0.0790	0.6870	0.3720	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	2,127.3199	2,127.3199	0.0758	0.0269	2,137.2586
Mobile	5.5494	11.7645	52.7239	0.0968	6.1535	0.1625	6.3160	1.6538	0.1498	1.8036	0.0000	6,891.3523	6,891.3523	0.2514	0.0000	6,896.6314
Waste						0.0000	0.0000		0.0000	0.0000	152.7182	0.0000	152.7182	9.0254	0.0000	342.2514
Water						0.0000	0.0000		0.0000	0.0000	10.2841	94.7976	105.0817	1.0606	0.0258	135.3602
<b>Total</b>	<b>15.6873</b>	<b>12.4939</b>	<b>56.7228</b>	<b>0.1024</b>	<b>6.1535</b>	<b>0.3999</b>	<b>6.5534</b>	<b>1.6538</b>	<b>0.3872</b>	<b>2.0409</b>	<b>180.6320</b>	<b>9,127.5116</b>	<b>9,308.1436</b>	<b>10.4538</b>	<b>0.0538</b>	<b>9,544.3523</b>

## 2.2 Overall Operational

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	10.0588	0.0425	3.6269	1.3000e-003		0.1828	0.1828		0.1828	0.1828	17.6297	14.0418	31.6714	0.0407	1.0500e-003	32.8507
Energy	0.0790	0.6870	0.3720	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	2,127.3199	2,127.3199	0.0758	0.0269	2,137.2586
Mobile	5.5494	11.7645	52.7239	0.0968	6.1535	0.1625	6.3160	1.6538	0.1498	1.8036	0.0000	6,891.3523	6,891.3523	0.2514	0.0000	6,896.6314
Waste						0.0000	0.0000		0.0000	0.0000	152.7182	0.0000	152.7182	9.0254	0.0000	342.2514
Water						0.0000	0.0000		0.0000	0.0000	10.2841	94.7976	105.0817	1.0604	0.0258	135.3437
<b>Total</b>	<b>15.6873</b>	<b>12.4939</b>	<b>56.7228</b>	<b>0.1024</b>	<b>6.1535</b>	<b>0.3999</b>	<b>6.5534</b>	<b>1.6538</b>	<b>0.3872</b>	<b>2.0409</b>	<b>180.6320</b>	<b>9,127.5116</b>	<b>9,308.1436</b>	<b>10.4537</b>	<b>0.0538</b>	<b>9,544.3359</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>0.00</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>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.07</b>	<b>0.00</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	4/1/2017	8/18/2017	6	120	Demo and On-site asphalt/concrete crushing-processing
2	Site Preparation	Site Preparation	6/22/2017	8/7/2017	6	40	
3	Grading	Grading	8/8/2017	12/14/2017	6	111	
4	Building Construction	Building Construction	12/15/2017	7/8/2021	6	1116	
5	Paving	Paving	7/9/2021	10/4/2021	6	75	
6	Architectural Coating	Architectural Coating	10/5/2021	12/30/2021	6	75	

**Acres of Grading (Site Preparation Phase): 67.6**

**Acres of Grading (Grading Phase): 67.6**

**Acres of Paving: 0**

**Residential Indoor: 834,300; Residential Outdoor: 278,100; Non-Residential Indoor: 2,367,552; Non-Residential Outdoor: 789,184 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	340	0.78
Demolition	Excavators	4	8.00	162	0.38
Demolition	Generator Sets	1	8.00	134	0.74
Demolition	Off-Highway Trucks	1	8.00	400	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Demolition	Rubber Tired Loaders	1	8.00	199	0.36
Demolition	Skid Steer Loaders	1	8.00	64	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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	12	30.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	895.00	308.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	179.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

### 3.2 Demolition - 2017

#### 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					1.1769	0.0000	1.1769	0.1782	0.0000	0.1782	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4799	4.9171	3.3319	6.0200e-003		0.2185	0.2185		0.2058	0.2058	0.0000	566.5602	566.5602	0.1161	0.0000	568.9977
<b>Total</b>	<b>0.4799</b>	<b>4.9171</b>	<b>3.3319</b>	<b>6.0200e-003</b>	<b>1.1769</b>	<b>0.2185</b>	<b>1.3955</b>	<b>0.1782</b>	<b>0.2058</b>	<b>0.3840</b>	<b>0.0000</b>	<b>566.5602</b>	<b>566.5602</b>	<b>0.1161</b>	<b>0.0000</b>	<b>568.9977</b>

### 3.2 Demolition - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-003	9.1200e-003	0.0874	1.9000e-004	0.0163	1.3000e-004	0.0165	4.3500e-003	1.2000e-004	4.4700e-003	0.0000	14.2954	14.2954	7.7000e-004	0.0000	14.3115
<b>Total</b>	<b>6.1000e-003</b>	<b>9.1200e-003</b>	<b>0.0874</b>	<b>1.9000e-004</b>	<b>0.0163</b>	<b>1.3000e-004</b>	<b>0.0165</b>	<b>4.3500e-003</b>	<b>1.2000e-004</b>	<b>4.4700e-003</b>	<b>0.0000</b>	<b>14.2954</b>	<b>14.2954</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>14.3115</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					0.5296	0.0000	0.5296	0.0802	0.0000	0.0802	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4799	4.9171	3.3319	6.0200e-003		0.2185	0.2185		0.2058	0.2058	0.0000	566.5596	566.5596	0.1161	0.0000	568.9970
<b>Total</b>	<b>0.4799</b>	<b>4.9171</b>	<b>3.3319</b>	<b>6.0200e-003</b>	<b>0.5296</b>	<b>0.2185</b>	<b>0.7482</b>	<b>0.0802</b>	<b>0.2058</b>	<b>0.2859</b>	<b>0.0000</b>	<b>566.5596</b>	<b>566.5596</b>	<b>0.1161</b>	<b>0.0000</b>	<b>568.9970</b>



### 3.2 Demolition - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-003	9.1200e-003	0.0874	1.9000e-004	0.0163	1.3000e-004	0.0165	4.3500e-003	1.2000e-004	4.4700e-003	0.0000	14.2954	14.2954	7.7000e-004	0.0000	14.3115
<b>Total</b>	<b>6.1000e-003</b>	<b>9.1200e-003</b>	<b>0.0874</b>	<b>1.9000e-004</b>	<b>0.0163</b>	<b>1.3000e-004</b>	<b>0.0165</b>	<b>4.3500e-003</b>	<b>1.2000e-004</b>	<b>4.4700e-003</b>	<b>0.0000</b>	<b>14.2954</b>	<b>14.2954</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>14.3115</b>

### 3.3 Site Preparation - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3972	0.0000	0.3972	0.2025	0.0000	0.2025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	1.0351	0.7879	7.8000e-004		0.0551	0.0551		0.0507	0.0507	0.0000	72.6308	72.6308	0.0223	0.0000	73.0981
<b>Total</b>	<b>0.0968</b>	<b>1.0351</b>	<b>0.7879</b>	<b>7.8000e-004</b>	<b>0.3972</b>	<b>0.0551</b>	<b>0.4523</b>	<b>0.2025</b>	<b>0.0507</b>	<b>0.2532</b>	<b>0.0000</b>	<b>72.6308</b>	<b>72.6308</b>	<b>0.0223</b>	<b>0.0000</b>	<b>73.0981</b>

### 3.3 Site Preparation - 2017

#### 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	1.2200e-003	1.8200e-003	0.0175	4.0000e-005	3.2700e-003	3.0000e-005	3.2900e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.8591	2.8591	1.5000e-004	0.0000	2.8623
<b>Total</b>	<b>1.2200e-003</b>	<b>1.8200e-003</b>	<b>0.0175</b>	<b>4.0000e-005</b>	<b>3.2700e-003</b>	<b>3.0000e-005</b>	<b>3.2900e-003</b>	<b>8.7000e-004</b>	<b>2.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.8591</b>	<b>2.8591</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.8623</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					0.1787	0.0000	0.1787	0.0911	0.0000	0.0911	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	1.0351	0.7879	7.8000e-004		0.0551	0.0551		0.0507	0.0507	0.0000	72.6307	72.6307	0.0223	0.0000	73.0980
<b>Total</b>	<b>0.0968</b>	<b>1.0351</b>	<b>0.7879</b>	<b>7.8000e-004</b>	<b>0.1787</b>	<b>0.0551</b>	<b>0.2338</b>	<b>0.0911</b>	<b>0.0507</b>	<b>0.1418</b>	<b>0.0000</b>	<b>72.6307</b>	<b>72.6307</b>	<b>0.0223</b>	<b>0.0000</b>	<b>73.0980</b>

### 3.3 Site Preparation - 2017

#### 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	1.2200e-003	1.8200e-003	0.0175	4.0000e-005	3.2700e-003	3.0000e-005	3.2900e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.8591	2.8591	1.5000e-004	0.0000	2.8623
<b>Total</b>	<b>1.2200e-003</b>	<b>1.8200e-003</b>	<b>0.0175</b>	<b>4.0000e-005</b>	<b>3.2700e-003</b>	<b>3.0000e-005</b>	<b>3.2900e-003</b>	<b>8.7000e-004</b>	<b>2.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.8591</b>	<b>2.8591</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.8623</b>

### 3.4 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3701	0.0000	0.3701	0.1876	0.0000	0.1876	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3385	3.8624	2.5977	3.4200e-003		0.1841	0.1841		0.1694	0.1694	0.0000	317.8703	317.8703	0.0974	0.0000	319.9156
<b>Total</b>	<b>0.3385</b>	<b>3.8624</b>	<b>2.5977</b>	<b>3.4200e-003</b>	<b>0.3701</b>	<b>0.1841</b>	<b>0.5542</b>	<b>0.1876</b>	<b>0.1694</b>	<b>0.3570</b>	<b>0.0000</b>	<b>317.8703</b>	<b>317.8703</b>	<b>0.0974</b>	<b>0.0000</b>	<b>319.9156</b>

### 3.4 Grading - 2017

#### 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	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	0.0000
Worker	3.7600e-003	5.6200e-003	0.0539	1.2000e-004	0.0101	8.0000e-005	0.0102	2.6800e-003	8.0000e-005	2.7600e-003	0.0000	8.8155	8.8155	4.7000e-004	0.0000	8.8254	
<b>Total</b>	<b>3.7600e-003</b>	<b>5.6200e-003</b>	<b>0.0539</b>	<b>1.2000e-004</b>	<b>0.0101</b>	<b>8.0000e-005</b>	<b>0.0102</b>	<b>2.6800e-003</b>	<b>8.0000e-005</b>	<b>2.7600e-003</b>	<b>0.0000</b>	<b>8.8155</b>	<b>8.8155</b>	<b>4.7000e-004</b>	<b>0.0000</b>	<b>8.8254</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					0.1665	0.0000	0.1665	0.0844	0.0000	0.0844	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3385	3.8624	2.5977	3.4200e-003		0.1841	0.1841		0.1694	0.1694	0.0000	317.8699	317.8699	0.0974	0.0000	319.9152
<b>Total</b>	<b>0.3385</b>	<b>3.8624</b>	<b>2.5977</b>	<b>3.4200e-003</b>	<b>0.1665</b>	<b>0.1841</b>	<b>0.3506</b>	<b>0.0844</b>	<b>0.1694</b>	<b>0.2538</b>	<b>0.0000</b>	<b>317.8699</b>	<b>317.8699</b>	<b>0.0974</b>	<b>0.0000</b>	<b>319.9152</b>

### 3.4 Grading - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	5.6200e-003	0.0539	1.2000e-004	0.0101	8.0000e-005	0.0102	2.6800e-003	8.0000e-005	2.7600e-003	0.0000	8.8155	8.8155	4.7000e-004	0.0000	8.8254
<b>Total</b>	<b>3.7600e-003</b>	<b>5.6200e-003</b>	<b>0.0539</b>	<b>1.2000e-004</b>	<b>0.0101</b>	<b>8.0000e-005</b>	<b>0.0102</b>	<b>2.6800e-003</b>	<b>8.0000e-005</b>	<b>2.7600e-003</b>	<b>0.0000</b>	<b>8.8155</b>	<b>8.8155</b>	<b>4.7000e-004</b>	<b>0.0000</b>	<b>8.8254</b>

### 3.5 Building Construction - 2017

#### 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	0.0217	0.1848	0.1269	1.9000e-004		0.0125	0.0125		0.0117	0.0117	0.0000	16.7635	16.7635	4.1300e-003	0.0000	16.8502
<b>Total</b>	<b>0.0217</b>	<b>0.1848</b>	<b>0.1269</b>	<b>1.9000e-004</b>		<b>0.0125</b>	<b>0.0125</b>		<b>0.0117</b>	<b>0.0117</b>	<b>0.0000</b>	<b>16.7635</b>	<b>16.7635</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>16.8502</b>

### 3.5 Building Construction - 2017

#### 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	0.0000
Vendor	0.0242	0.1953	0.2962	5.2000e-004	0.0139	2.8400e-003	0.0168	4.0000e-003	2.6100e-003	6.6200e-003	0.0000	46.1953	46.1953	3.6000e-004	0.0000	46.2029	
Worker	0.0212	0.0317	0.3042	6.8000e-004	0.0569	4.6000e-004	0.0573	0.0151	4.3000e-004	0.0156	0.0000	49.7558	49.7558	2.6700e-003	0.0000	49.8120	
<b>Total</b>	<b>0.0455</b>	<b>0.2271</b>	<b>0.6004</b>	<b>1.2000e-003</b>	<b>0.0708</b>	<b>3.3000e-003</b>	<b>0.0741</b>	<b>0.0191</b>	<b>3.0400e-003</b>	<b>0.0222</b>	<b>0.0000</b>	<b>95.9511</b>	<b>95.9511</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>96.0149</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	0.0217	0.1848	0.1269	1.9000e-004		0.0125	0.0125		0.0117	0.0117	0.0000	16.7635	16.7635	4.1300e-003	0.0000	16.8502	
<b>Total</b>	<b>0.0217</b>	<b>0.1848</b>	<b>0.1269</b>	<b>1.9000e-004</b>		<b>0.0125</b>	<b>0.0125</b>		<b>0.0117</b>	<b>0.0117</b>	<b>0.0000</b>	<b>16.7635</b>	<b>16.7635</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>16.8502</b>	

### 3.5 Building Construction - 2017

#### 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	0.0242	0.1953	0.2962	5.2000e-004	0.0139	2.8400e-003	0.0168	4.0000e-003	2.6100e-003	6.6200e-003	0.0000	46.1953	46.1953	3.6000e-004	0.0000	46.2029
Worker	0.0212	0.0317	0.3042	6.8000e-004	0.0569	4.6000e-004	0.0573	0.0151	4.3000e-004	0.0156	0.0000	49.7558	49.7558	2.6700e-003	0.0000	49.8120
<b>Total</b>	<b>0.0455</b>	<b>0.2271</b>	<b>0.6004</b>	<b>1.2000e-003</b>	<b>0.0708</b>	<b>3.3000e-003</b>	<b>0.0741</b>	<b>0.0191</b>	<b>3.0400e-003</b>	<b>0.0222</b>	<b>0.0000</b>	<b>95.9511</b>	<b>95.9511</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>96.0149</b>

### 3.5 Building Construction - 2018

#### 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	0.4177	3.6403	2.7439	4.1900e-003		0.2339	0.2339		0.2199	0.2199	0.0000	370.5446	370.5446	0.0907	0.0000	372.4488
<b>Total</b>	<b>0.4177</b>	<b>3.6403</b>	<b>2.7439</b>	<b>4.1900e-003</b>		<b>0.2339</b>	<b>0.2339</b>		<b>0.2199</b>	<b>0.2199</b>	<b>0.0000</b>	<b>370.5446</b>	<b>370.5446</b>	<b>0.0907</b>	<b>0.0000</b>	<b>372.4488</b>

### 3.5 Building Construction - 2018

#### 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	0.5100	3.9562	6.3421	0.0115	0.3116	0.0588	0.3705	0.0895	0.0541	0.1436	0.0000	1,015.002 2	1,015.002 2	7.9200e- 003	0.0000	1,015.168 4
Worker	0.4210	0.6377	6.0650	0.0152	1.2713	9.9600e- 003	1.2813	0.3382	9.2100e- 003	0.3474	0.0000	1,071.084 3	1,071.084 3	0.0549	0.0000	1,072.236 6
<b>Total</b>	<b>0.9309</b>	<b>4.5938</b>	<b>12.4071</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0688</b>	<b>1.6518</b>	<b>0.4277</b>	<b>0.0633</b>	<b>0.4910</b>	<b>0.0000</b>	<b>2,086.086 5</b>	<b>2,086.086 5</b>	<b>0.0628</b>	<b>0.0000</b>	<b>2,087.405 0</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	0.4177	3.6403	2.7439	4.1900e- 003		0.2339	0.2339		0.2199	0.2199	0.0000	370.5441	370.5441	0.0907	0.0000	372.4484
<b>Total</b>	<b>0.4177</b>	<b>3.6403</b>	<b>2.7439</b>	<b>4.1900e- 003</b>		<b>0.2339</b>	<b>0.2339</b>		<b>0.2199</b>	<b>0.2199</b>	<b>0.0000</b>	<b>370.5441</b>	<b>370.5441</b>	<b>0.0907</b>	<b>0.0000</b>	<b>372.4484</b>



### 3.5 Building Construction - 2018

#### 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	0.0000
Vendor	0.5100	3.9562	6.3421	0.0115	0.3116	0.0588	0.3705	0.0895	0.0541	0.1436	0.0000	1,015.002 2	1,015.002 2	7.9200e- 003	0.0000	0.0000	1,015.168 4
Worker	0.4210	0.6377	6.0650	0.0152	1.2713	9.9600e- 003	1.2813	0.3382	9.2100e- 003	0.3474	0.0000	1,071.084 3	1,071.084 3	0.0549	0.0000	0.0000	1,072.236 6
<b>Total</b>	<b>0.9309</b>	<b>4.5938</b>	<b>12.4071</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0688</b>	<b>1.6518</b>	<b>0.4277</b>	<b>0.0633</b>	<b>0.4910</b>	<b>0.0000</b>	<b>2,086.086 5</b>	<b>2,086.086 5</b>	<b>0.0628</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2,087.405 0</b>

### 3.5 Building Construction - 2019

#### 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	0.3680	3.2810	2.6793	4.1900e- 003		0.2011	0.2011		0.1891	0.1891	0.0000	366.4021	366.4021	0.0892	0.0000	0.0000	368.2742
<b>Total</b>	<b>0.3680</b>	<b>3.2810</b>	<b>2.6793</b>	<b>4.1900e- 003</b>		<b>0.2011</b>	<b>0.2011</b>		<b>0.1891</b>	<b>0.1891</b>	<b>0.0000</b>	<b>366.4021</b>	<b>366.4021</b>	<b>0.0892</b>	<b>0.0000</b>	<b>0.0000</b>	<b>368.2742</b>

### 3.5 Building Construction - 2019

#### 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	0.4662	3.6099	5.9999	0.0115	0.3116	0.0546	0.3663	0.0895	0.0502	0.1398	0.0000	997.4701	997.4701	7.7300e-003	0.0000	997.6324
Worker	0.3829	0.5808	5.5039	0.0152	1.2713	9.7300e-003	1.2811	0.3382	9.0200e-003	0.3472	0.0000	1,032.6337	1,032.6337	0.0510	0.0000	1,033.7051
<b>Total</b>	<b>0.8491</b>	<b>4.1907</b>	<b>11.5038</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0644</b>	<b>1.6473</b>	<b>0.4277</b>	<b>0.0593</b>	<b>0.4870</b>	<b>0.0000</b>	<b>2,030.1038</b>	<b>2,030.1038</b>	<b>0.0588</b>	<b>0.0000</b>	<b>2,031.3375</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	0.3680	3.2810	2.6793	4.1900e-003		0.2011	0.2011		0.1891	0.1891	0.0000	366.4017	366.4017	0.0892	0.0000	368.2738
<b>Total</b>	<b>0.3680</b>	<b>3.2810</b>	<b>2.6793</b>	<b>4.1900e-003</b>		<b>0.2011</b>	<b>0.2011</b>		<b>0.1891</b>	<b>0.1891</b>	<b>0.0000</b>	<b>366.4017</b>	<b>366.4017</b>	<b>0.0892</b>	<b>0.0000</b>	<b>368.2738</b>

### 3.5 Building Construction - 2019

#### 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	0.4662	3.6099	5.9999	0.0115	0.3116	0.0546	0.3663	0.0895	0.0502	0.1398	0.0000	997.4701	997.4701	7.7300e-003	0.0000	997.6324
Worker	0.3829	0.5808	5.5039	0.0152	1.2713	9.7300e-003	1.2811	0.3382	9.0200e-003	0.3472	0.0000	1,032.6337	1,032.6337	0.0510	0.0000	1,033.7051
<b>Total</b>	<b>0.8491</b>	<b>4.1907</b>	<b>11.5038</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0644</b>	<b>1.6473</b>	<b>0.4277</b>	<b>0.0593</b>	<b>0.4870</b>	<b>0.0000</b>	<b>2,030.1038</b>	<b>2,030.1038</b>	<b>0.0588</b>	<b>0.0000</b>	<b>2,031.3375</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3315	2.9962	2.6389	4.2100e-003		0.1747	0.1747		0.1643	0.1643	0.0000	362.1203	362.1203	0.0882	0.0000	363.9731
<b>Total</b>	<b>0.3315</b>	<b>2.9962</b>	<b>2.6389</b>	<b>4.2100e-003</b>		<b>0.1747</b>	<b>0.1747</b>		<b>0.1643</b>	<b>0.1643</b>	<b>0.0000</b>	<b>362.1203</b>	<b>362.1203</b>	<b>0.0882</b>	<b>0.0000</b>	<b>363.9731</b>

**3.5 Building Construction - 2020****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4277	3.0850	5.7285	0.0115	0.3126	0.0489	0.3615	0.0898	0.0450	0.1348	0.0000	977.5734	977.5734	7.5100e-003	0.0000	977.7312
Worker	0.3573	0.5368	5.0921	0.0152	1.2754	9.6400e-003	1.2850	0.3393	8.9400e-003	0.3482	0.0000	994.3906	994.3906	0.0482	0.0000	995.4018
<b>Total</b>	<b>0.7850</b>	<b>3.6217</b>	<b>10.8206</b>	<b>0.0267</b>	<b>1.5880</b>	<b>0.0586</b>	<b>1.6466</b>	<b>0.4291</b>	<b>0.0540</b>	<b>0.4830</b>	<b>0.0000</b>	<b>1,971.9640</b>	<b>1,971.9640</b>	<b>0.0557</b>	<b>0.0000</b>	<b>1,973.1330</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	0.3315	2.9962	2.6389	4.2100e-003		0.1747	0.1747		0.1643	0.1643	0.0000	362.1199	362.1199	0.0882	0.0000	363.9726
<b>Total</b>	<b>0.3315</b>	<b>2.9962</b>	<b>2.6389</b>	<b>4.2100e-003</b>		<b>0.1747</b>	<b>0.1747</b>		<b>0.1643</b>	<b>0.1643</b>	<b>0.0000</b>	<b>362.1199</b>	<b>362.1199</b>	<b>0.0882</b>	<b>0.0000</b>	<b>363.9726</b>

### 3.5 Building Construction - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4277	3.0850	5.7285	0.0115	0.3126	0.0489	0.3615	0.0898	0.0450	0.1348	0.0000	977.5734	977.5734	7.5100e-003	0.0000	977.7312
Worker	0.3573	0.5368	5.0921	0.0152	1.2754	9.6400e-003	1.2850	0.3393	8.9400e-003	0.3482	0.0000	994.3906	994.3906	0.0482	0.0000	995.4018
<b>Total</b>	<b>0.7850</b>	<b>3.6217</b>	<b>10.8206</b>	<b>0.0267</b>	<b>1.5880</b>	<b>0.0586</b>	<b>1.6466</b>	<b>0.4291</b>	<b>0.0540</b>	<b>0.4830</b>	<b>0.0000</b>	<b>1,971.9640</b>	<b>1,971.9640</b>	<b>0.0557</b>	<b>0.0000</b>	<b>1,973.1330</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1533	1.4046	1.3396	2.1700e-003		0.0774	0.0774		0.0727	0.0727	0.0000	186.8486	186.8486	0.0450	0.0000	187.7939
<b>Total</b>	<b>0.1533</b>	<b>1.4046</b>	<b>1.3396</b>	<b>2.1700e-003</b>		<b>0.0774</b>	<b>0.0774</b>		<b>0.0727</b>	<b>0.0727</b>	<b>0.0000</b>	<b>186.8486</b>	<b>186.8486</b>	<b>0.0450</b>	<b>0.0000</b>	<b>187.7939</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2128	1.3066	2.8796	5.9300e-003	0.1613	0.0227	0.1840	0.0464	0.0209	0.0672	0.0000	503.6483	503.6483	3.8700e-003	0.0000	0.0000	503.7295
Worker	0.1739	0.2577	2.4517	7.8500e-003	0.6580	4.9500e-003	0.6630	0.1750	4.5900e-003	0.1796	0.0000	504.0429	504.0429	0.0236	0.0000	0.0000	504.5380
<b>Total</b>	<b>0.3866</b>	<b>1.5643</b>	<b>5.3313</b>	<b>0.0138</b>	<b>0.8193</b>	<b>0.0276</b>	<b>0.8470</b>	<b>0.2214</b>	<b>0.0255</b>	<b>0.2468</b>	<b>0.0000</b>	<b>1,007.6912</b>	<b>1,007.6912</b>	<b>0.0274</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1,008.2675</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	0.1533	1.4046	1.3396	2.1700e-003		0.0774	0.0774		0.0727	0.0727	0.0000	186.8484	186.8484	0.0450	0.0000	0.0000	187.7937
<b>Total</b>	<b>0.1533</b>	<b>1.4046</b>	<b>1.3396</b>	<b>2.1700e-003</b>		<b>0.0774</b>	<b>0.0774</b>		<b>0.0727</b>	<b>0.0727</b>	<b>0.0000</b>	<b>186.8484</b>	<b>186.8484</b>	<b>0.0450</b>	<b>0.0000</b>	<b>0.0000</b>	<b>187.7937</b>

### 3.5 Building Construction - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2128	1.3066	2.8796	5.9300e-003	0.1613	0.0227	0.1840	0.0464	0.0209	0.0672	0.0000	503.6483	503.6483	3.8700e-003	0.0000	503.7295
Worker	0.1739	0.2577	2.4517	7.8500e-003	0.6580	4.9500e-003	0.6630	0.1750	4.5900e-003	0.1796	0.0000	504.0429	504.0429	0.0236	0.0000	504.5380
<b>Total</b>	<b>0.3866</b>	<b>1.5643</b>	<b>5.3313</b>	<b>0.0138</b>	<b>0.8193</b>	<b>0.0276</b>	<b>0.8470</b>	<b>0.2214</b>	<b>0.0255</b>	<b>0.2468</b>	<b>0.0000</b>	<b>1,007.6912</b>	<b>1,007.6912</b>	<b>0.0274</b>	<b>0.0000</b>	<b>1,008.2675</b>

### 3.6 Paving - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0462	0.4748	0.5382	8.4000e-004		0.0249	0.0249		0.0230	0.0230	0.0000	73.4906	73.4906	0.0238	0.0000	73.9897
Paving	0.0161					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0623</b>	<b>0.4748</b>	<b>0.5382</b>	<b>8.4000e-004</b>		<b>0.0249</b>	<b>0.0249</b>		<b>0.0230</b>	<b>0.0230</b>	<b>0.0000</b>	<b>73.4906</b>	<b>73.4906</b>	<b>0.0238</b>	<b>0.0000</b>	<b>73.9897</b>

### 3.6 Paving - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3500e-003	2.0000e-003	0.0190	6.0000e-005	5.1100e-003	4.0000e-005	5.1400e-003	1.3600e-003	4.0000e-005	1.3900e-003	0.0000	3.9110	3.9110	1.8000e-004	0.0000	3.9148
<b>Total</b>	<b>1.3500e-003</b>	<b>2.0000e-003</b>	<b>0.0190</b>	<b>6.0000e-005</b>	<b>5.1100e-003</b>	<b>4.0000e-005</b>	<b>5.1400e-003</b>	<b>1.3600e-003</b>	<b>4.0000e-005</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>3.9110</b>	<b>3.9110</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>3.9148</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	0.0462	0.4748	0.5382	8.4000e-004		0.0249	0.0249		0.0230	0.0230	0.0000	73.4905	73.4905	0.0238	0.0000	73.9896
Paving	0.0161					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0623</b>	<b>0.4748</b>	<b>0.5382</b>	<b>8.4000e-004</b>		<b>0.0249</b>	<b>0.0249</b>		<b>0.0230</b>	<b>0.0230</b>	<b>0.0000</b>	<b>73.4905</b>	<b>73.4905</b>	<b>0.0238</b>	<b>0.0000</b>	<b>73.9896</b>



### 3.6 Paving - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3500e-003	2.0000e-003	0.0190	6.0000e-005	5.1100e-003	4.0000e-005	5.1400e-003	1.3600e-003	4.0000e-005	1.3900e-003	0.0000	3.9110	3.9110	1.8000e-004	0.0000	3.9148
<b>Total</b>	<b>1.3500e-003</b>	<b>2.0000e-003</b>	<b>0.0190</b>	<b>6.0000e-005</b>	<b>5.1100e-003</b>	<b>4.0000e-005</b>	<b>5.1400e-003</b>	<b>1.3600e-003</b>	<b>4.0000e-005</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>3.9110</b>	<b>3.9110</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>3.9148</b>

### 3.7 Architectural Coating - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	11.1304					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2100e-003	0.0573	0.0682	1.1000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	9.5747	9.5747	6.6000e-004	0.0000	9.5885
<b>Total</b>	<b>11.1387</b>	<b>0.0573</b>	<b>0.0682</b>	<b>1.1000e-004</b>		<b>3.5300e-003</b>	<b>3.5300e-003</b>		<b>3.5300e-003</b>	<b>3.5300e-003</b>	<b>0.0000</b>	<b>9.5747</b>	<b>9.5747</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>9.5885</b>

### 3.7 Architectural Coating - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0161	0.0239	0.2270	7.3000e-004	0.0609	4.6000e-004	0.0614	0.0162	4.2000e-004	0.0166	0.0000	46.6706	46.6706	2.1800e-003	0.0000	46.7165
<b>Total</b>	<b>0.0161</b>	<b>0.0239</b>	<b>0.2270</b>	<b>7.3000e-004</b>	<b>0.0609</b>	<b>4.6000e-004</b>	<b>0.0614</b>	<b>0.0162</b>	<b>4.2000e-004</b>	<b>0.0166</b>	<b>0.0000</b>	<b>46.6706</b>	<b>46.6706</b>	<b>2.1800e-003</b>	<b>0.0000</b>	<b>46.7165</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	11.1304					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2100e-003	0.0573	0.0682	1.1000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	9.5747	9.5747	6.6000e-004	0.0000	9.5885
<b>Total</b>	<b>11.1387</b>	<b>0.0573</b>	<b>0.0682</b>	<b>1.1000e-004</b>		<b>3.5300e-003</b>	<b>3.5300e-003</b>		<b>3.5300e-003</b>	<b>3.5300e-003</b>	<b>0.0000</b>	<b>9.5747</b>	<b>9.5747</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>9.5885</b>

### 3.7 Architectural Coating - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0161	0.0239	0.2270	7.3000e-004	0.0609	4.6000e-004	0.0614	0.0162	4.2000e-004	0.0166	0.0000	46.6706	46.6706	2.1800e-003	0.0000	46.7165
<b>Total</b>	<b>0.0161</b>	<b>0.0239</b>	<b>0.2270</b>	<b>7.3000e-004</b>	<b>0.0609</b>	<b>4.6000e-004</b>	<b>0.0614</b>	<b>0.0162</b>	<b>4.2000e-004</b>	<b>0.0166</b>	<b>0.0000</b>	<b>46.6706</b>	<b>46.6706</b>	<b>2.1800e-003</b>	<b>0.0000</b>	<b>46.7165</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	5.5494	11.7645	52.7239	0.0968	6.1535	0.1625	6.3160	1.6538	0.1498	1.8036	0.0000	6,891.3523	6,891.3523	0.2514	0.0000	6,896.6314
Unmitigated	5.5494	11.7645	52.7239	0.0968	6.1535	0.1625	6.3160	1.6538	0.1498	1.8036	0.0000	6,891.3523	6,891.3523	0.2514	0.0000	6,896.6314

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	38.00	38.00	38.00	81,127	81,127
Condo/Townhouse	1,528.88	1,661.12	1408.24	3,416,719	3,416,719
Health Club	461.02	292.18	374.22	733,394	733,394
High Turnover (Sit Down Restaurant)	762.90	950.22	791.04	920,879	920,879
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	957.00	1,008.00	877.00	2,127,126	2,127,126
Supermarket	6,747.84	11,720.94	10985.04	9,171,887	9,171,887
<b>Total</b>	<b>10,495.64</b>	<b>15,670.46</b>	<b>14,473.54</b>	<b>16,451,132</b>	<b>16,451,132</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-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
High Turnover (Sit Down)	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.543091	0.062201	0.166716	0.110184	0.030625	0.004564	0.019041	0.050825	0.001789	0.003661	0.005684	0.000199	0.001418

### 5.0 Energy Detail

#### 4.4 Fleet Mix

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	1,345.0949	1,345.0949	0.0608	0.0126	1,350.2731
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,345.0949	1,345.0949	0.0608	0.0126	1,350.2731
NaturalGas Mitigated	0.0790	0.6870	0.3720	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	782.2250	782.2250	0.0150	0.0143	786.9855
NaturalGas Unmitigated	0.0790	0.6870	0.3720	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	782.2250	782.2250	0.0150	0.0143	786.9855

### 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						
City Park	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	0.0000
Condo/Townhouse	5.6351e+006	0.0304	0.2597	0.1105	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	300.7106	300.7106	5.7600e-003	5.5100e-003	302.5407	
Health Club	359520	1.9400e-003	0.0176	0.0148	1.1000e-004		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	19.1854	19.1854	3.7000e-004	3.5000e-004	19.3021	
High Turnover (Sit Down Restaurant)	1.02006e+006	5.5000e-003	0.0500	0.0420	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4343	54.4343	1.0400e-003	1.0000e-003	54.7656	
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.102e+006	0.0275	0.2351	0.1000	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	272.2622	272.2622	5.2200e-003	4.9900e-003	273.9191	
Supermarket	2.54166e+006	0.0137	0.1246	0.1047	7.5000e-004		9.4700e-003	9.4700e-003		9.4700e-003	9.4700e-003	0.0000	135.6327	135.6327	2.6000e-003	2.4900e-003	136.4581	
<b>Total</b>		<b>0.0791</b>	<b>0.6870</b>	<b>0.3720</b>	<b>4.3200e-003</b>		<b>0.0546</b>	<b>0.0546</b>		<b>0.0546</b>	<b>0.0546</b>	<b>0.0000</b>	<b>782.2251</b>	<b>782.2251</b>	<b>0.0150</b>	<b>0.0143</b>	<b>786.9855</b>	

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	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
Condo/Townhouse	5.6351e+006	0.0304	0.2597	0.1105	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	300.7106	300.7106	5.7600e-003	5.5100e-003	302.5407
Health Club	359520	1.9400e-003	0.0176	0.0148	1.1000e-004		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	19.1854	19.1854	3.7000e-004	3.5000e-004	19.3021
High Turnover (Sit Down Restaurant)	1.02006e+006	5.5000e-003	0.0500	0.0420	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4343	54.4343	1.0400e-003	1.0000e-003	54.7656
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.102e+006	0.0275	0.2351	0.1000	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	272.2622	272.2622	5.2200e-003	4.9900e-003	273.9191
Supermarket	2.54166e+006	0.0137	0.1246	0.1047	7.5000e-004		9.4700e-003	9.4700e-003		9.4700e-003	9.4700e-003	0.0000	135.6327	135.6327	2.6000e-003	2.4900e-003	136.4581
<b>Total</b>		<b>0.0791</b>	<b>0.6870</b>	<b>0.3720</b>	<b>4.3200e-003</b>		<b>0.0546</b>	<b>0.0546</b>		<b>0.0546</b>	<b>0.0546</b>	<b>0.0000</b>	<b>782.2251</b>	<b>782.2251</b>	<b>0.0150</b>	<b>0.0143</b>	<b>786.9855</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	988944	287.6952	0.0130	2.6900e-003	288.8027
Health Club	115780	33.6817	1.5200e-003	3.2000e-004	33.8114
High Turnover (Sit Down Restaurant)	181440	52.7830	2.3900e-003	4.9000e-004	52.9862
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76744.8	22.3259	1.0100e-003	2.1000e-004	22.4119
Single Family Housing	695397	202.2990	9.1500e-003	1.8900e-003	203.0778
Supermarket	2.56542e+006	746.3101	0.0338	6.9800e-003	749.1832
<b>Total</b>		<b>1,345.0949</b>	<b>0.0608</b>	<b>0.0126</b>	<b>1,350.2731</b>



### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	988944	287.6952	0.0130	2.6900e-003	288.8027
Health Club	115780	33.6817	1.5200e-003	3.2000e-004	33.8114
High Turnover (Sit Down Restaurant)	181440	52.7830	2.3900e-003	4.9000e-004	52.9862
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76744.8	22.3259	1.0100e-003	2.1000e-004	22.4119
Single Family Housing	695397	202.2990	9.1500e-003	1.8900e-003	203.0778
Supermarket	2.56542e+006	746.3101	0.0338	6.9800e-003	749.1832
<b>Total</b>		<b>1,345.0949</b>	<b>0.0608</b>	<b>0.0126</b>	<b>1,350.2731</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	10.0588	0.0425	3.6269	1.3000e-003		0.1828	0.1828		0.1828	0.1828	17.6297	14.0418	31.6714	0.0407	1.0500e-003	32.8507
Unmitigated	10.0588	0.0425	3.6269	1.3000e-003		0.1828	0.1828		0.1828	0.1828	17.6297	14.0418	31.6714	0.0407	1.0500e-003	32.8507

## 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	1.1130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.1038					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.7678	0.0141	1.1609	1.1700e-003		0.1691	0.1691		0.1691	0.1691	17.6297	10.0113	27.6410	0.0368	1.0500e-003	28.7389
Landscaping	0.0743	0.0284	2.4660	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.0305	4.0305	3.8700e-003	0.0000	4.1118
<b>Total</b>	<b>10.0588</b>	<b>0.0425</b>	<b>3.6269</b>	<b>1.3000e-003</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1827</b>	<b>0.1827</b>	<b>17.6297</b>	<b>14.0418</b>	<b>31.6715</b>	<b>0.0407</b>	<b>1.0500e-003</b>	<b>32.8507</b>

### 6.2 Area by SubCategory

#### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.1038					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.7678	0.0141	1.1609	1.1700e-003		0.1691	0.1691		0.1691	0.1691	17.6297	10.0113	27.6410	0.0368	1.0500e-003	28.7389
Landscaping	0.0743	0.0284	2.4660	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.0305	4.0305	3.8700e-003	0.0000	4.1118
<b>Total</b>	<b>10.0588</b>	<b>0.0425</b>	<b>3.6269</b>	<b>1.3000e-003</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1827</b>	<b>0.1827</b>	<b>17.6297</b>	<b>14.0418</b>	<b>31.6715</b>	<b>0.0407</b>	<b>1.0500e-003</b>	<b>32.8507</b>

### 7.0 Water Detail

#### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	105.0817	1.0604	0.0258	135.3437
Unmitigated	105.0817	1.0606	0.0258	135.3602

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 28.4764	28.9944	1.3100e-003	2.7000e-004	29.1060
Condo/Townhouse	15.1157 / 9.52948	38.2924	0.4941	0.0119	52.3701
Health Club	0.828004 / 0.507486	2.0828	0.0271	6.5000e-004	2.8539
High Turnover (Sit Down Restaurant)	1.8212 / 0.116247	3.5629	0.0595	1.4300e-003	5.2550
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	6.5154 / 4.10754	16.5053	0.2130	5.1500e-003	22.5733
Supermarket	8.1357 / 0.25162	15.6439	0.2657	6.3800e-003	23.2018
<b>Total</b>		<b>105.0817</b>	<b>1.0606</b>	<b>0.0258</b>	<b>135.3601</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 28.4764	28.9944	1.3100e-003	2.7000e-004	29.1060
Condo/Townhouse	15.1157 / 9.52948	38.2924	0.4940	0.0119	52.3625
Health Club	0.828004 / 0.507486	2.0828	0.0271	6.5000e-004	2.8535
High Turnover (Sit Down Restaurant)	1.8212 / 0.116247	3.5629	0.0595	1.4300e-003	5.2541
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	6.5154 / 4.10754	16.5053	0.2129	5.1400e-003	22.5700
Supermarket	8.1357 / 0.25162	15.6439	0.2656	6.3700e-003	23.1977
<b>Total</b>		<b>105.0817</b>	<b>1.0604</b>	<b>0.0258</b>	<b>135.3437</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	152.7182	9.0254	0.0000	342.2514
Unmitigated	152.7182	9.0254	0.0000	342.2514

**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	2.06	0.4182	0.0247	0.0000	0.9371
Condo/Townhouse	106.72	21.6632	1.2803	0.0000	48.5486
Health Club	79.8	16.1987	0.9573	0.0000	36.3023
High Turnover (Sit Down Restaurant)	71.4	14.4936	0.8565	0.0000	32.4810
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	120.12	24.3833	1.4410	0.0000	54.6445
Supermarket	372.24	75.5614	4.4656	0.0000	169.3379
<b>Total</b>		<b>152.7182</b>	<b>9.0254</b>	<b>0.0000</b>	<b>342.2514</b>

### 8.2 Waste by Land Use

#### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	2.06	0.4182	0.0247	0.0000	0.9371
Condo/Townhouse	106.72	21.6632	1.2803	0.0000	48.5486
Health Club	79.8	16.1987	0.9573	0.0000	36.3023
High Turnover (Sit Down Restaurant)	71.4	14.4936	0.8565	0.0000	32.4810
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	120.12	24.3833	1.4410	0.0000	54.6445
Supermarket	372.24	75.5614	4.4656	0.0000	169.3379
<b>Total</b>		<b>152.7182</b>	<b>9.0254</b>	<b>0.0000</b>	<b>342.2514</b>

### 9.0 Operational Offroad

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



**Oak Knoll - Phase II**  
**Alameda County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	263.00	Dwelling Unit	27.20	473,400.00	752
Other Asphalt Surfaces	12.20	Acre	12.20	531,432.00	0
City Park	9.60	Acre	9.60	418,176.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	63
<b>Climate Zone</b>	5			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<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 - Project specific data.

Construction Phase - Project specific construction schedule

Off-road Equipment -

Grading - Project specific information.

Trips and VMT -

Architectural Coating -

Land Use Change -

Construction Off-road Equipment Mitigation - BAAQMD Basic Construction Mitigation.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	55.00	78.00
tblConstructionPhase	NumDays	740.00	1,056.00
tblConstructionPhase	NumDays	50.00	71.00
tblConstructionPhase	NumDays	75.00	110.00
tblConstructionPhase	NumDays	55.00	78.00
tblConstructionPhase	NumDays	30.00	43.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	AcresOfGrading	275.00	49.00
tblGrading	AcresOfGrading	0.00	49.00
tblLandUse	LotAcreage	85.39	27.20
tblProjectCharacteristics	OperationalYear	2014	2024

## 2.0 Emissions Summary

## 2.1 Overall Construction

### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.7048	6.8306	6.2767	9.7200e-003	0.9658	0.3229	1.2887	0.4536	0.2988	0.7524	0.0000	841.1724	841.1724	0.1816	0.0000	844.9857
2019	0.8579	5.7582	9.3016	0.0194	0.8879	0.2391	1.1270	0.2401	0.2241	0.4642	0.0000	1,532.2610	1,532.2610	0.1219	0.0000	1,534.8214
2020	0.7842	5.1354	8.8718	0.0195	0.8907	0.2093	1.1000	0.2409	0.1961	0.4370	0.0000	1,494.9844	1,494.9844	0.1193	0.0000	1,497.4896
2021	0.7273	4.4967	8.5265	0.0194	0.8879	0.1809	1.0688	0.2402	0.1695	0.4097	0.0000	1,479.8690	1,479.8690	0.1166	0.0000	1,482.3171
2022	8.4769	1.1887	2.1774	4.8200e-003	0.1936	0.0524	0.2459	0.0522	0.0489	0.1011	0.0000	370.5426	370.5426	0.0466	0.0000	371.5206
<b>Total</b>	<b>11.5510</b>	<b>23.4096</b>	<b>35.1539</b>	<b>0.0729</b>	<b>3.8259</b>	<b>1.0046</b>	<b>4.8304</b>	<b>1.2270</b>	<b>0.9374</b>	<b>2.1644</b>	<b>0.0000</b>	<b>5,718.8293</b>	<b>5,718.8293</b>	<b>0.5860</b>	<b>0.0000</b>	<b>5,731.1344</b>



**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	7.9908	0.0516	4.3287	2.6000e-003		0.3571	0.3571		0.3571	0.3571	36.3884	13.3864	49.7748	0.0814	1.9200e-003	52.0800
Energy	0.0724	0.6183	0.2631	3.9500e-003		0.0500	0.0500		0.0500	0.0500	0.0000	1,248.0957	1,248.0957	0.0378	0.0181	1,254.5017
Mobile	1.1113	2.5614	11.6936	0.0325	2.1059	0.0515	2.1573	0.5660	0.0475	0.6135	0.0000	2,234.1414	2,234.1414	0.0667	0.0000	2,235.5420
Waste						0.0000	0.0000		0.0000	0.0000	64.2812	0.0000	64.2812	3.7989	0.0000	144.0582
Water						0.0000	0.0000		0.0000	0.0000	5.4363	49.6190	55.0553	0.5606	0.0137	71.0590
<b>Total</b>	<b>9.1744</b>	<b>3.2313</b>	<b>16.2854</b>	<b>0.0390</b>	<b>2.1059</b>	<b>0.4586</b>	<b>2.5644</b>	<b>0.5660</b>	<b>0.4545</b>	<b>1.0205</b>	<b>106.1059</b>	<b>3,545.2425</b>	<b>3,651.3484</b>	<b>4.5454</b>	<b>0.0337</b>	<b>3,757.2409</b>

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.9908	0.0516	4.3287	2.6000e-003		0.3571	0.3571		0.3571	0.3571	36.3884	13.3864	49.7748	0.0814	1.9200e-003	52.0800
Energy	0.0724	0.6183	0.2631	3.9500e-003		0.0500	0.0500		0.0500	0.0500	0.0000	1,248.0957	1,248.0957	0.0378	0.0181	1,254.5017
Mobile	1.1113	2.5614	11.6936	0.0325	2.1059	0.0515	2.1573	0.5660	0.0475	0.6135	0.0000	2,234.1414	2,234.1414	0.0667	0.0000	2,235.5420
Waste						0.0000	0.0000		0.0000	0.0000	64.2812	0.0000	64.2812	3.7989	0.0000	144.0582
Water						0.0000	0.0000		0.0000	0.0000	5.4363	49.6190	55.0553	0.5605	0.0136	71.0503
<b>Total</b>	<b>9.1744</b>	<b>3.2313</b>	<b>16.2854</b>	<b>0.0390</b>	<b>2.1059</b>	<b>0.4586</b>	<b>2.5644</b>	<b>0.5660</b>	<b>0.4545</b>	<b>1.0205</b>	<b>106.1059</b>	<b>3,545.2425</b>	<b>3,651.3484</b>	<b>4.5453</b>	<b>0.0337</b>	<b>3,757.2322</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>0.00</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>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.06</b>	<b>0.00</b>

### 2.3 Vegetation

#### Vegetation

	CO2e
Category	MT
Vegetation Land Change	-211.1900
<b>Total</b>	<b>-211.1900</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	2/1/2018	4/24/2018	6	71	
2	Site Preparation	Site Preparation	4/25/2018	6/13/2018	6	43	
3	Grading	Grading	6/14/2018	10/19/2018	6	110	
4	Building Construction	Building Construction	10/20/2018	3/4/2022	6	1056	
5	Paving	Paving	3/5/2022	6/3/2022	6	78	
6	Architectural Coating	Architectural Coating	6/4/2022	9/2/2022	6	78	

**Acres of Grading (Site Preparation Phase): 49**

**Acres of Grading (Grading Phase): 49**

**Acres of Paving: 0**

**Residential Indoor: 958,635; Residential Outdoor: 319,545; Non-Residential Indoor: 1,424,412; Non-Residential Outdoor: 474,804  
(Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	162	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	162	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	125	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	130	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Building Construction	Welders	1	8.00	46	0.45

**Trips and VMT**



Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	494.00	184.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	99.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

### 3.2 Demolition - 2018

#### 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	0.1264	1.3075	1.1262	1.4200e-003		0.0642	0.0642		0.0598	0.0598	0.0000	128.2833	128.2833	0.0355	0.0000	129.0282
<b>Total</b>	<b>0.1264</b>	<b>1.3075</b>	<b>1.1262</b>	<b>1.4200e-003</b>		<b>0.0642</b>	<b>0.0642</b>		<b>0.0598</b>	<b>0.0598</b>	<b>0.0000</b>	<b>128.2833</b>	<b>128.2833</b>	<b>0.0355</b>	<b>0.0000</b>	<b>129.0282</b>

### 3.2 Demolition - 2018

#### 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	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	0.0000
Worker	1.6000e-003	2.4200e-003	0.0231	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2900e-003	4.0000e-005	1.3200e-003	0.0000	4.0720	4.0720	2.1000e-004	0.0000	4.0764	
<b>Total</b>	<b>1.6000e-003</b>	<b>2.4200e-003</b>	<b>0.0231</b>	<b>6.0000e-005</b>	<b>4.8300e-003</b>	<b>4.0000e-005</b>	<b>4.8700e-003</b>	<b>1.2900e-003</b>	<b>4.0000e-005</b>	<b>1.3200e-003</b>	<b>0.0000</b>	<b>4.0720</b>	<b>4.0720</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.0764</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	0.1264	1.3075	1.1262	1.4200e-003		0.0642	0.0642		0.0598	0.0598	0.0000	128.2832	128.2832	0.0355	0.0000	129.0281
<b>Total</b>	<b>0.1264</b>	<b>1.3075</b>	<b>1.1262</b>	<b>1.4200e-003</b>		<b>0.0642</b>	<b>0.0642</b>		<b>0.0598</b>	<b>0.0598</b>	<b>0.0000</b>	<b>128.2832</b>	<b>128.2832</b>	<b>0.0355</b>	<b>0.0000</b>	<b>129.0281</b>

### 3.2 Demolition - 2018

#### 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	1.6000e-003	2.4200e-003	0.0231	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2900e-003	4.0000e-005	1.3200e-003	0.0000	4.0720	4.0720	2.1000e-004	0.0000	4.0764
<b>Total</b>	<b>1.6000e-003</b>	<b>2.4200e-003</b>	<b>0.0231</b>	<b>6.0000e-005</b>	<b>4.8300e-003</b>	<b>4.0000e-005</b>	<b>4.8700e-003</b>	<b>1.2900e-003</b>	<b>4.0000e-005</b>	<b>1.3200e-003</b>	<b>0.0000</b>	<b>4.0720</b>	<b>4.0720</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.0764</b>

### 3.3 Site Preparation - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4144	0.0000	0.4144	0.2163	0.0000	0.2163	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0923	0.9806	0.7790	8.4000e-004		0.0509	0.0509		0.0468	0.0468	0.0000	76.8432	76.8432	0.0239	0.0000	77.3456
<b>Total</b>	<b>0.0923</b>	<b>0.9806</b>	<b>0.7790</b>	<b>8.4000e-004</b>	<b>0.4144</b>	<b>0.0509</b>	<b>0.4653</b>	<b>0.2163</b>	<b>0.0468</b>	<b>0.2631</b>	<b>0.0000</b>	<b>76.8432</b>	<b>76.8432</b>	<b>0.0239</b>	<b>0.0000</b>	<b>77.3456</b>

### 3.3 Site Preparation - 2018

#### 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	1.1600e-003	1.7600e-003	0.0168	4.0000e-005	3.5100e-003	3.0000e-005	3.5400e-003	9.3000e-004	3.0000e-005	9.6000e-004	0.0000	2.9594	2.9594	1.5000e-004	0.0000	2.9625
<b>Total</b>	<b>1.1600e-003</b>	<b>1.7600e-003</b>	<b>0.0168</b>	<b>4.0000e-005</b>	<b>3.5100e-003</b>	<b>3.0000e-005</b>	<b>3.5400e-003</b>	<b>9.3000e-004</b>	<b>3.0000e-005</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>2.9594</b>	<b>2.9594</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.9625</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					0.1865	0.0000	0.1865	0.0973	0.0000	0.0973	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0923	0.9806	0.7790	8.4000e-004		0.0509	0.0509		0.0468	0.0468	0.0000	76.8431	76.8431	0.0239	0.0000	77.3455
<b>Total</b>	<b>0.0923</b>	<b>0.9806</b>	<b>0.7790</b>	<b>8.4000e-004</b>	<b>0.1865</b>	<b>0.0509</b>	<b>0.2373</b>	<b>0.0973</b>	<b>0.0468</b>	<b>0.1441</b>	<b>0.0000</b>	<b>76.8431</b>	<b>76.8431</b>	<b>0.0239</b>	<b>0.0000</b>	<b>77.3455</b>

### 3.3 Site Preparation - 2018

#### 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	1.1600e-003	1.7600e-003	0.0168	4.0000e-005	3.5100e-003	3.0000e-005	3.5400e-003	9.3000e-004	3.0000e-005	9.6000e-004	0.0000	2.9594	2.9594	1.5000e-004	0.0000	2.9625
<b>Total</b>	<b>1.1600e-003</b>	<b>1.7600e-003</b>	<b>0.0168</b>	<b>4.0000e-005</b>	<b>3.5100e-003</b>	<b>3.0000e-005</b>	<b>3.5400e-003</b>	<b>9.3000e-004</b>	<b>3.0000e-005</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>2.9594</b>	<b>2.9594</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.9625</b>

### 3.4 Grading - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3572	0.0000	0.3572	0.1849	0.0000	0.1849	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2909	3.2744	2.3269	3.3900e-003		0.1533	0.1533		0.1411	0.1411	0.0000	309.9889	309.9889	0.0965	0.0000	312.0154
<b>Total</b>	<b>0.2909</b>	<b>3.2744</b>	<b>2.3269</b>	<b>3.3900e-003</b>	<b>0.3572</b>	<b>0.1533</b>	<b>0.5105</b>	<b>0.1849</b>	<b>0.1411</b>	<b>0.3259</b>	<b>0.0000</b>	<b>309.9889</b>	<b>309.9889</b>	<b>0.0965</b>	<b>0.0000</b>	<b>312.0154</b>

### 3.4 Grading - 2018

#### 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	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	0.0000
Worker	3.3100e-003	5.0100e-003	0.0476	1.2000e-004	9.9800e-003	8.0000e-005	0.0101	2.6600e-003	7.0000e-005	2.7300e-003	0.0000	8.4116	8.4116	4.3000e-004	0.0000	8.4207	
<b>Total</b>	<b>3.3100e-003</b>	<b>5.0100e-003</b>	<b>0.0476</b>	<b>1.2000e-004</b>	<b>9.9800e-003</b>	<b>8.0000e-005</b>	<b>0.0101</b>	<b>2.6600e-003</b>	<b>7.0000e-005</b>	<b>2.7300e-003</b>	<b>0.0000</b>	<b>8.4116</b>	<b>8.4116</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>8.4207</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					0.1607	0.0000	0.1607	0.0832	0.0000	0.0832	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2909	3.2744	2.3269	3.3900e-003		0.1533	0.1533		0.1411	0.1411	0.0000	309.9885	309.9885	0.0965	0.0000	312.0151
<b>Total</b>	<b>0.2909</b>	<b>3.2744</b>	<b>2.3269</b>	<b>3.3900e-003</b>	<b>0.1607</b>	<b>0.1533</b>	<b>0.3141</b>	<b>0.0832</b>	<b>0.1411</b>	<b>0.2243</b>	<b>0.0000</b>	<b>309.9885</b>	<b>309.9885</b>	<b>0.0965</b>	<b>0.0000</b>	<b>312.0151</b>

### 3.4 Grading - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3100e-003	5.0100e-003	0.0476	1.2000e-004	9.9800e-003	8.0000e-005	0.0101	2.6600e-003	7.0000e-005	2.7300e-003	0.0000	8.4116	8.4116	4.3000e-004	0.0000	8.4207
<b>Total</b>	<b>3.3100e-003</b>	<b>5.0100e-003</b>	<b>0.0476</b>	<b>1.2000e-004</b>	<b>9.9800e-003</b>	<b>8.0000e-005</b>	<b>0.0101</b>	<b>2.6600e-003</b>	<b>7.0000e-005</b>	<b>2.7300e-003</b>	<b>0.0000</b>	<b>8.4116</b>	<b>8.4116</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>8.4207</b>

### 3.5 Building Construction - 2018

#### 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	0.0827	0.7211	0.5435	8.3000e-004		0.0463	0.0463		0.0436	0.0436	0.0000	73.3986	73.3986	0.0180	0.0000	73.7758
<b>Total</b>	<b>0.0827</b>	<b>0.7211</b>	<b>0.5435</b>	<b>8.3000e-004</b>		<b>0.0463</b>	<b>0.0463</b>		<b>0.0436</b>	<b>0.0436</b>	<b>0.0000</b>	<b>73.3986</b>	<b>73.3986</b>	<b>0.0180</b>	<b>0.0000</b>	<b>73.7758</b>

### 3.5 Building Construction - 2018

#### 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	0.0604	0.4682	0.7505	1.3600e-003	0.0369	6.9600e-003	0.0438	0.0106	6.4000e-003	0.0170	0.0000	120.1106	120.1106	9.4000e-004	0.0000	120.1303
Worker	0.0460	0.0697	0.6631	1.6600e-003	0.1390	1.0900e-003	0.1401	0.0370	1.0100e-003	0.0380	0.0000	117.1049	117.1049	6.0000e-003	0.0000	117.2308
<b>Total</b>	<b>0.1064</b>	<b>0.5379</b>	<b>1.4136</b>	<b>3.0200e-003</b>	<b>0.1759</b>	<b>8.0500e-003</b>	<b>0.1839</b>	<b>0.0476</b>	<b>7.4100e-003</b>	<b>0.0550</b>	<b>0.0000</b>	<b>237.2155</b>	<b>237.2155</b>	<b>6.9400e-003</b>	<b>0.0000</b>	<b>237.3611</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	0.0827	0.7211	0.5435	8.3000e-004		0.0463	0.0463		0.0436	0.0436	0.0000	73.3985	73.3985	0.0180	0.0000	73.7757
<b>Total</b>	<b>0.0827</b>	<b>0.7211</b>	<b>0.5435</b>	<b>8.3000e-004</b>		<b>0.0463</b>	<b>0.0463</b>		<b>0.0436</b>	<b>0.0436</b>	<b>0.0000</b>	<b>73.3985</b>	<b>73.3985</b>	<b>0.0180</b>	<b>0.0000</b>	<b>73.7757</b>



### 3.5 Building Construction - 2018

#### 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	0.0604	0.4682	0.7505	1.3600e-003	0.0369	6.9600e-003	0.0438	0.0106	6.4000e-003	0.0170	0.0000	120.1106	120.1106	9.4000e-004	0.0000	120.1303
Worker	0.0460	0.0697	0.6631	1.6600e-003	0.1390	1.0900e-003	0.1401	0.0370	1.0100e-003	0.0380	0.0000	117.1049	117.1049	6.0000e-003	0.0000	117.2308
<b>Total</b>	<b>0.1064</b>	<b>0.5379</b>	<b>1.4136</b>	<b>3.0200e-003</b>	<b>0.1759</b>	<b>8.0500e-003</b>	<b>0.1839</b>	<b>0.0476</b>	<b>7.4100e-003</b>	<b>0.0550</b>	<b>0.0000</b>	<b>237.2155</b>	<b>237.2155</b>	<b>6.9400e-003</b>	<b>0.0000</b>	<b>237.3611</b>

### 3.5 Building Construction - 2019

#### 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	0.3680	3.2810	2.6793	4.1900e-003		0.2011	0.2011		0.1891	0.1891	0.0000	366.4021	366.4021	0.0892	0.0000	368.2742
<b>Total</b>	<b>0.3680</b>	<b>3.2810</b>	<b>2.6793</b>	<b>4.1900e-003</b>		<b>0.2011</b>	<b>0.2011</b>		<b>0.1891</b>	<b>0.1891</b>	<b>0.0000</b>	<b>366.4021</b>	<b>366.4021</b>	<b>0.0892</b>	<b>0.0000</b>	<b>368.2742</b>

### 3.5 Building Construction - 2019

#### 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	0.2785	2.1566	3.5844	6.8700e-003	0.1862	0.0326	0.2188	0.0535	0.0300	0.0835	0.0000	595.8912	595.8912	4.6200e-003	0.0000	595.9882
Worker	0.2113	0.3206	3.0379	8.3700e-003	0.7017	5.3700e-003	0.7071	0.1867	4.9800e-003	0.1916	0.0000	569.9676	569.9676	0.0282	0.0000	570.5590
<b>Total</b>	<b>0.4898</b>	<b>2.4772</b>	<b>6.6223</b>	<b>0.0152</b>	<b>0.8879</b>	<b>0.0380</b>	<b>0.9259</b>	<b>0.2401</b>	<b>0.0350</b>	<b>0.2751</b>	<b>0.0000</b>	<b>1,165.8589</b>	<b>1,165.8589</b>	<b>0.0328</b>	<b>0.0000</b>	<b>1,166.5472</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	0.3680	3.2810	2.6793	4.1900e-003		0.2011	0.2011		0.1891	0.1891	0.0000	366.4017	366.4017	0.0892	0.0000	368.2738
<b>Total</b>	<b>0.3680</b>	<b>3.2810</b>	<b>2.6793</b>	<b>4.1900e-003</b>		<b>0.2011</b>	<b>0.2011</b>		<b>0.1891</b>	<b>0.1891</b>	<b>0.0000</b>	<b>366.4017</b>	<b>366.4017</b>	<b>0.0892</b>	<b>0.0000</b>	<b>368.2738</b>

### 3.5 Building Construction - 2019

#### 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	0.2785	2.1566	3.5844	6.8700e-003	0.1862	0.0326	0.2188	0.0535	0.0300	0.0835	0.0000	595.8912	595.8912	4.6200e-003	0.0000	595.9882
Worker	0.2113	0.3206	3.0379	8.3700e-003	0.7017	5.3700e-003	0.7071	0.1867	4.9800e-003	0.1916	0.0000	569.9676	569.9676	0.0282	0.0000	570.5590
<b>Total</b>	<b>0.4898</b>	<b>2.4772</b>	<b>6.6223</b>	<b>0.0152</b>	<b>0.8879</b>	<b>0.0380</b>	<b>0.9259</b>	<b>0.2401</b>	<b>0.0350</b>	<b>0.2751</b>	<b>0.0000</b>	<b>1,165.8589</b>	<b>1,165.8589</b>	<b>0.0328</b>	<b>0.0000</b>	<b>1,166.5472</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3315	2.9962	2.6389	4.2100e-003		0.1747	0.1747		0.1643	0.1643	0.0000	362.1203	362.1203	0.0882	0.0000	363.9731
<b>Total</b>	<b>0.3315</b>	<b>2.9962</b>	<b>2.6389</b>	<b>4.2100e-003</b>		<b>0.1747</b>	<b>0.1747</b>		<b>0.1643</b>	<b>0.1643</b>	<b>0.0000</b>	<b>362.1203</b>	<b>362.1203</b>	<b>0.0882</b>	<b>0.0000</b>	<b>363.9731</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2555	1.8430	3.4222	6.8800e-003	0.1868	0.0292	0.2160	0.0537	0.0269	0.0805	0.0000	584.0049	584.0049	4.4900e-003	0.0000	584.0992
Worker	0.1972	0.2963	2.8106	8.3900e-003	0.7040	5.3200e-003	0.7093	0.1873	4.9300e-003	0.1922	0.0000	548.8592	548.8592	0.0266	0.0000	549.4173
<b>Total</b>	<b>0.4527</b>	<b>2.1392</b>	<b>6.2329</b>	<b>0.0153</b>	<b>0.8907</b>	<b>0.0346</b>	<b>0.9253</b>	<b>0.2409</b>	<b>0.0318</b>	<b>0.2727</b>	<b>0.0000</b>	<b>1,132.8641</b>	<b>1,132.8641</b>	<b>0.0311</b>	<b>0.0000</b>	<b>1,133.5165</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	0.3315	2.9962	2.6389	4.2100e-003		0.1747	0.1747		0.1643	0.1643	0.0000	362.1199	362.1199	0.0882	0.0000	363.9726
<b>Total</b>	<b>0.3315</b>	<b>2.9962</b>	<b>2.6389</b>	<b>4.2100e-003</b>		<b>0.1747</b>	<b>0.1747</b>		<b>0.1643</b>	<b>0.1643</b>	<b>0.0000</b>	<b>362.1199</b>	<b>362.1199</b>	<b>0.0882</b>	<b>0.0000</b>	<b>363.9726</b>

### 3.5 Building Construction - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2555	1.8430	3.4222	6.8800e-003	0.1868	0.0292	0.2160	0.0537	0.0269	0.0805	0.0000	584.0049	584.0049	4.4900e-003	0.0000	584.0992
Worker	0.1972	0.2963	2.8106	8.3900e-003	0.7040	5.3200e-003	0.7093	0.1873	4.9300e-003	0.1922	0.0000	548.8592	548.8592	0.0266	0.0000	549.4173
<b>Total</b>	<b>0.4527</b>	<b>2.1392</b>	<b>6.2329</b>	<b>0.0153</b>	<b>0.8907</b>	<b>0.0346</b>	<b>0.9253</b>	<b>0.2409</b>	<b>0.0318</b>	<b>0.2727</b>	<b>0.0000</b>	<b>1,132.8641</b>	<b>1,132.8641</b>	<b>0.0311</b>	<b>0.0000</b>	<b>1,133.5165</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2963	2.7138	2.5881	4.2000e-003		0.1494	0.1494		0.1405	0.1405	0.0000	361.0099	361.0099	0.0870	0.0000	362.8364
<b>Total</b>	<b>0.2963</b>	<b>2.7138</b>	<b>2.5881</b>	<b>4.2000e-003</b>		<b>0.1494</b>	<b>0.1494</b>		<b>0.1405</b>	<b>0.1405</b>	<b>0.0000</b>	<b>361.0099</b>	<b>361.0099</b>	<b>0.0870</b>	<b>0.0000</b>	<b>362.8364</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2456	1.5082	3.3238	6.8500e-003	0.1862	0.0262	0.2124	0.0535	0.0241	0.0776	0.0000	581.3314	581.3314	4.4700e-003	0.0000	581.4252
Worker	0.1854	0.2748	2.6146	8.3700e-003	0.7017	5.2800e-003	0.7070	0.1867	4.8900e-003	0.1916	0.0000	537.5276	537.5276	0.0251	0.0000	538.0555
<b>Total</b>	<b>0.4310</b>	<b>1.7829</b>	<b>5.9383</b>	<b>0.0152</b>	<b>0.8879</b>	<b>0.0315</b>	<b>0.9194</b>	<b>0.2402</b>	<b>0.0290</b>	<b>0.2691</b>	<b>0.0000</b>	<b>1,118.8590</b>	<b>1,118.8590</b>	<b>0.0296</b>	<b>0.0000</b>	<b>1,119.4807</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	0.2963	2.7138	2.5881	4.2000e-003		0.1494	0.1494		0.1405	0.1405	0.0000	361.0095	361.0095	0.0870	0.0000	362.8359
<b>Total</b>	<b>0.2963</b>	<b>2.7138</b>	<b>2.5881</b>	<b>4.2000e-003</b>		<b>0.1494</b>	<b>0.1494</b>		<b>0.1405</b>	<b>0.1405</b>	<b>0.0000</b>	<b>361.0095</b>	<b>361.0095</b>	<b>0.0870</b>	<b>0.0000</b>	<b>362.8359</b>

### 3.5 Building Construction - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2456	1.5082	3.3238	6.8500e-003	0.1862	0.0262	0.2124	0.0535	0.0241	0.0776	0.0000	581.3314	581.3314	4.4700e-003	0.0000	581.4252
Worker	0.1854	0.2748	2.6146	8.3700e-003	0.7017	5.2800e-003	0.7070	0.1867	4.8900e-003	0.1916	0.0000	537.5276	537.5276	0.0251	0.0000	538.0555
<b>Total</b>	<b>0.4310</b>	<b>1.7829</b>	<b>5.9383</b>	<b>0.0152</b>	<b>0.8879</b>	<b>0.0315</b>	<b>0.9194</b>	<b>0.2402</b>	<b>0.0290</b>	<b>0.2691</b>	<b>0.0000</b>	<b>1,118.8590</b>	<b>1,118.8590</b>	<b>0.0296</b>	<b>0.0000</b>	<b>1,119.4807</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0459	0.4195	0.4408	7.2000e-004		0.0218	0.0218		0.0205	0.0205	0.0000	62.3066	62.3066	0.0149	0.0000	62.6196
<b>Total</b>	<b>0.0459</b>	<b>0.4195</b>	<b>0.4408</b>	<b>7.2000e-004</b>		<b>0.0218</b>	<b>0.0218</b>		<b>0.0205</b>	<b>0.0205</b>	<b>0.0000</b>	<b>62.3066</b>	<b>62.3066</b>	<b>0.0149</b>	<b>0.0000</b>	<b>62.6196</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0405	0.2297	0.5465	1.1800e-003	0.0321	4.4500e-003	0.0366	9.2300e-003	4.0900e-003	0.0133	0.0000	100.2017	100.2017	7.9000e-004	0.0000	100.2183
Worker	0.0302	0.0443	0.4217	1.4400e-003	0.1211	9.1000e-004	0.1220	0.0322	8.4000e-004	0.0330	0.0000	91.2233	91.2233	4.1300e-003	0.0000	91.3101
<b>Total</b>	<b>0.0708</b>	<b>0.2740</b>	<b>0.9682</b>	<b>2.6200e-003</b>	<b>0.1532</b>	<b>5.3600e-003</b>	<b>0.1586</b>	<b>0.0414</b>	<b>4.9300e-003</b>	<b>0.0464</b>	<b>0.0000</b>	<b>191.4250</b>	<b>191.4250</b>	<b>4.9200e-003</b>	<b>0.0000</b>	<b>191.5283</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	0.0459	0.4195	0.4408	7.2000e-004		0.0218	0.0218		0.0205	0.0205	0.0000	62.3065	62.3065	0.0149	0.0000	62.6195
<b>Total</b>	<b>0.0459</b>	<b>0.4195</b>	<b>0.4408</b>	<b>7.2000e-004</b>		<b>0.0218</b>	<b>0.0218</b>		<b>0.0205</b>	<b>0.0205</b>	<b>0.0000</b>	<b>62.3065</b>	<b>62.3065</b>	<b>0.0149</b>	<b>0.0000</b>	<b>62.6195</b>



### 3.5 Building Construction - 2022

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0405	0.2297	0.5465	1.1800e-003	0.0321	4.4500e-003	0.0366	9.2300e-003	4.0900e-003	0.0133	0.0000	100.2017	100.2017	7.9000e-004	0.0000	100.2183
Worker	0.0302	0.0443	0.4217	1.4400e-003	0.1211	9.1000e-004	0.1220	0.0322	8.4000e-004	0.0330	0.0000	91.2233	91.2233	4.1300e-003	0.0000	91.3101
<b>Total</b>	<b>0.0708</b>	<b>0.2740</b>	<b>0.9682</b>	<b>2.6200e-003</b>	<b>0.1532</b>	<b>5.3600e-003</b>	<b>0.1586</b>	<b>0.0414</b>	<b>4.9300e-003</b>	<b>0.0464</b>	<b>0.0000</b>	<b>191.4250</b>	<b>191.4250</b>	<b>4.9200e-003</b>	<b>0.0000</b>	<b>191.5283</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	0.0422	0.4255	0.5570	8.7000e-004		0.0218	0.0218		0.0200	0.0200	0.0000	76.4455	76.4455	0.0247	0.0000	76.9648
Paving	0.0160					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0582</b>	<b>0.4255</b>	<b>0.5570</b>	<b>8.7000e-004</b>		<b>0.0218</b>	<b>0.0218</b>		<b>0.0200</b>	<b>0.0200</b>	<b>0.0000</b>	<b>76.4455</b>	<b>76.4455</b>	<b>0.0247</b>	<b>0.0000</b>	<b>76.9648</b>

### 3.6 Paving - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3300e-003	1.9400e-003	0.0185	6.0000e-005	5.3100e-003	4.0000e-005	5.3500e-003	1.4100e-003	4.0000e-005	1.4500e-003	0.0000	4.0010	4.0010	1.8000e-004	0.0000	4.0048
<b>Total</b>	<b>1.3300e-003</b>	<b>1.9400e-003</b>	<b>0.0185</b>	<b>6.0000e-005</b>	<b>5.3100e-003</b>	<b>4.0000e-005</b>	<b>5.3500e-003</b>	<b>1.4100e-003</b>	<b>4.0000e-005</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>4.0010</b>	<b>4.0010</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>4.0048</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	0.0422	0.4255	0.5570	8.7000e-004		0.0218	0.0218		0.0200	0.0200	0.0000	76.4455	76.4455	0.0247	0.0000	76.9647
Paving	0.0160					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0582</b>	<b>0.4255</b>	<b>0.5570</b>	<b>8.7000e-004</b>		<b>0.0218</b>	<b>0.0218</b>		<b>0.0200</b>	<b>0.0200</b>	<b>0.0000</b>	<b>76.4455</b>	<b>76.4455</b>	<b>0.0247</b>	<b>0.0000</b>	<b>76.9647</b>

### 3.6 Paving - 2022

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3300e-003	1.9400e-003	0.0185	6.0000e-005	5.3100e-003	4.0000e-005	5.3500e-003	1.4100e-003	4.0000e-005	1.4500e-003	0.0000	4.0010	4.0010	1.8000e-004	0.0000	4.0048
<b>Total</b>	<b>1.3300e-003</b>	<b>1.9400e-003</b>	<b>0.0185</b>	<b>6.0000e-005</b>	<b>5.3100e-003</b>	<b>4.0000e-005</b>	<b>5.3500e-003</b>	<b>1.4100e-003</b>	<b>4.0000e-005</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>4.0010</b>	<b>4.0010</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>4.0048</b>

### 3.7 Architectural Coating - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	8.2841					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9800e-003	0.0549	0.0707	1.2000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	9.9577	9.9577	6.5000e-004	0.0000	9.9713
<b>Total</b>	<b>8.2921</b>	<b>0.0549</b>	<b>0.0707</b>	<b>1.2000e-004</b>		<b>3.1900e-003</b>	<b>3.1900e-003</b>		<b>3.1900e-003</b>	<b>3.1900e-003</b>	<b>0.0000</b>	<b>9.9577</b>	<b>9.9577</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>9.9713</b>

### 3.7 Architectural Coating - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.7500e-003	0.0128	0.1221	4.2000e-004	0.0350	2.6000e-004	0.0353	9.3200e-003	2.4000e-004	9.5700e-003	0.0000	26.4067	26.4067	1.2000e-003	0.0000	26.4319
<b>Total</b>	<b>8.7500e-003</b>	<b>0.0128</b>	<b>0.1221</b>	<b>4.2000e-004</b>	<b>0.0350</b>	<b>2.6000e-004</b>	<b>0.0353</b>	<b>9.3200e-003</b>	<b>2.4000e-004</b>	<b>9.5700e-003</b>	<b>0.0000</b>	<b>26.4067</b>	<b>26.4067</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>26.4319</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	8.2841					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9800e-003	0.0549	0.0707	1.2000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	9.9577	9.9577	6.5000e-004	0.0000	9.9713
<b>Total</b>	<b>8.2921</b>	<b>0.0549</b>	<b>0.0707</b>	<b>1.2000e-004</b>		<b>3.1900e-003</b>	<b>3.1900e-003</b>		<b>3.1900e-003</b>	<b>3.1900e-003</b>	<b>0.0000</b>	<b>9.9577</b>	<b>9.9577</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>9.9713</b>

### 3.7 Architectural Coating - 2022

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.7500e-003	0.0128	0.1221	4.2000e-004	0.0350	2.6000e-004	0.0353	9.3200e-003	2.4000e-004	9.5700e-003	0.0000	26.4067	26.4067	1.2000e-003	0.0000	26.4319
<b>Total</b>	<b>8.7500e-003</b>	<b>0.0128</b>	<b>0.1221</b>	<b>4.2000e-004</b>	<b>0.0350</b>	<b>2.6000e-004</b>	<b>0.0353</b>	<b>9.3200e-003</b>	<b>2.4000e-004</b>	<b>9.5700e-003</b>	<b>0.0000</b>	<b>26.4067</b>	<b>26.4067</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>26.4319</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	1.1113	2.5614	11.6936	0.0325	2.1059	0.0515	2.1573	0.5660	0.0475	0.6135	0.0000	2,234.1414	2,234.1414	0.0667	0.0000	2,235.5420
Unmitigated	1.1113	2.5614	11.6936	0.0325	2.1059	0.0515	2.1573	0.5660	0.0475	0.6135	0.0000	2,234.1414	2,234.1414	0.0667	0.0000	2,235.5420

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	15.26	15.26	15.26	32,586	32,586
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	2,516.91	2,651.04	2306.51	5,594,341	5,594,341
<b>Total</b>	<b>2,532.17</b>	<b>2,666.30</b>	<b>2,321.77</b>	<b>5,626,928</b>	<b>5,626,928</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-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.540708	0.062029	0.166535	0.109313	0.030530	0.004548	0.019619	0.054044	0.001811	0.003599	0.005676	0.000189	0.001400

**5.0 Energy Detail**

**5.1 Fleet Mix**

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	532.0463	532.0463	0.0241	4.9800e-003	534.0945
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	532.0463	532.0463	0.0241	4.9800e-003	534.0945
NaturalGas Mitigated	0.0724	0.6183	0.2631	3.9500e-003		0.0500	0.0500		0.0500	0.0500	0.0000	716.0495	716.0495	0.0137	0.0131	720.4072
NaturalGas Unmitigated	0.0724	0.6183	0.2631	3.9500e-003		0.0500	0.0500		0.0500	0.0500	0.0000	716.0495	716.0495	0.0137	0.0131	720.4072

**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					
City Park	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.34183e+007	0.0724	0.6183	0.2631	3.9500e-003		0.0500	0.0500		0.0500	0.0500	0.0000	716.0495	716.0495	0.0137	0.0131	720.4072
<b>Total</b>		<b>0.0724</b>	<b>0.6183</b>	<b>0.2631</b>	<b>3.9500e-003</b>		<b>0.0500</b>	<b>0.0500</b>		<b>0.0500</b>	<b>0.0500</b>	<b>0.0000</b>	<b>716.0495</b>	<b>716.0495</b>	<b>0.0137</b>	<b>0.0131</b>	<b>720.4072</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e		
Land Use	kBTU/yr	tons/yr										MT/yr							
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Single Family Housing	1.34183e+007	0.0724	0.6183	0.2631	3.9500e-003		0.0500	0.0500		0.0500	0.0500	0.0000	716.0495	716.0495	0.0137	0.0131	720.4072		
City Park	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	0.0000	
<b>Total</b>		<b>0.0724</b>	<b>0.6183</b>	<b>0.2631</b>	<b>3.9500e-003</b>		<b>0.0500</b>	<b>0.0500</b>		<b>0.0500</b>	<b>0.0500</b>	<b>0.0000</b>	<b>716.0495</b>	<b>716.0495</b>	<b>0.0137</b>	<b>0.0131</b>	<b>720.4072</b>		

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.82889e+006	532.0463	0.0241	4.9800e-003	534.0945
<b>Total</b>		<b>532.0463</b>	<b>0.0241</b>	<b>4.9800e-003</b>	<b>534.0945</b>



### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.82889e+006	532.0463	0.0241	4.9800e-003	534.0945
<b>Total</b>		<b>532.0463</b>	<b>0.0241</b>	<b>4.9800e-003</b>	<b>534.0945</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	7.9908	0.0516	4.3287	2.6000e-003		0.3571	0.3571		0.3571	0.3571	36.3884	13.3864	49.7748	0.0814	1.9200e-003	52.0800
Unmitigated	7.9908	0.0516	4.3287	2.6000e-003		0.3571	0.3571		0.3571	0.3571	36.3884	13.3864	49.7748	0.0814	1.9200e-003	52.0800

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.8284					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.5576					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5461	0.0291	2.3765	2.5000e-003		0.3462	0.3462		0.3462	0.3462	36.3884	10.1961	46.5845	0.0783	1.9200e-003	48.8255
Landscaping	0.0587	0.0225	1.9522	1.0000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	3.1903	3.1903	3.0600e-003	0.0000	3.2546
<b>Total</b>	<b>7.9908</b>	<b>0.0516</b>	<b>4.3287</b>	<b>2.6000e-003</b>		<b>0.3571</b>	<b>0.3571</b>		<b>0.3571</b>	<b>0.3571</b>	<b>36.3884</b>	<b>13.3864</b>	<b>49.7748</b>	<b>0.0814</b>	<b>1.9200e-003</b>	<b>52.0800</b>

### 6.2 Area by SubCategory

#### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.8284					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.5576					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5461	0.0291	2.3765	2.5000e-003		0.3462	0.3462		0.3462	0.3462	36.3884	10.1961	46.5845	0.0783	1.9200e-003	48.8255
Landscaping	0.0587	0.0225	1.9522	1.0000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	3.1903	3.1903	3.0600e-003	0.0000	3.2546
<b>Total</b>	<b>7.9908</b>	<b>0.0516</b>	<b>4.3287</b>	<b>2.6000e-003</b>		<b>0.3571</b>	<b>0.3571</b>		<b>0.3571</b>	<b>0.3571</b>	<b>36.3884</b>	<b>13.3864</b>	<b>49.7748</b>	<b>0.0814</b>	<b>1.9200e-003</b>	<b>52.0800</b>

### 7.0 Water Detail

#### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	55.0553	0.5605	0.0136	71.0503
Unmitigated	55.0553	0.5606	0.0137	71.0590

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 11.4382	11.6463	5.3000e-004	1.1000e-004	11.6911
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	17.1355 / 10.8028	43.4090	0.5601	0.0135	59.3679
<b>Total</b>		<b>55.0553</b>	<b>0.5606</b>	<b>0.0137</b>	<b>71.0590</b>

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 11.4382	11.6463	5.3000e-004	1.1000e-004	11.6911
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	17.1355 / 10.8028	43.4090	0.5600	0.0135	59.3592
<b>Total</b>		<b>55.0553</b>	<b>0.5605</b>	<b>0.0136</b>	<b>71.0503</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	64.2812	3.7989	0.0000	144.0582
Unmitigated	64.2812	3.7989	0.0000	144.0582

### 8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.83	0.1685	9.9600e-003	0.0000	0.3776
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	315.84	64.1127	3.7890	0.0000	143.6806
<b>Total</b>		<b>64.2812</b>	<b>3.7989</b>	<b>0.0000</b>	<b>144.0582</b>

## 8.2 Waste by Land Use

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.83	0.1685	9.9600e-003	0.0000	0.3776
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	315.84	64.1127	3.7890	0.0000	143.6806
<b>Total</b>		<b>64.2812</b>	<b>3.7989</b>	<b>0.0000</b>	<b>144.0582</b>

## 9.0 Operational Offroad

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

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-211.1900	0.0000	0.0000	-211.1900

### 10.1 Vegetation Land Change

#### Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Grassland	49 / 0	-211.1900	0.0000	0.0000	-211.1900
<b>Total</b>		<b>-211.1900</b>	<b>0.0000</b>	<b>0.0000</b>	<b>-211.1900</b>

**Oak Knoll - Phase III**  
**Alameda County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	340.00	Dwelling Unit	21.00	340,000.00	972
Other Asphalt Surfaces	3.20	Acre	3.20	139,392.00	0
City Park	3.60	Acre	3.60	156,816.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	63
<b>Climate Zone</b>	5			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	641.35	<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 - Project specific data.
- Construction Phase - Project specific schedule.
- Grading - Project specific data.
- Architectural Coating -
- Construction Off-road Equipment Mitigation -



Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	35.00	51.00
tblConstructionPhase	NumDays	440.00	645.00
tblConstructionPhase	NumDays	30.00	44.00
tblConstructionPhase	NumDays	45.00	66.00
tblConstructionPhase	NumDays	35.00	51.00
tblConstructionPhase	NumDays	20.00	29.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	AcresOfGrading	165.00	27.80
tblGrading	AcresOfGrading	0.00	27.80
tblLandUse	LotAcreage	21.25	21.00
tblProjectCharacteristics	OperationalYear	2014	2024

## 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					
2020	0.3610	3.4634	3.3479	5.5800e-003	0.5893	0.1631	0.7523	0.2830	0.1509	0.4339	0.0000	463.9882	463.9882	0.1121	0.0000	466.3411
2021	0.5482	3.6157	6.0766	0.0136	0.6102	0.1655	0.7757	0.1641	0.1553	0.3194	0.0000	1,031.0733	1,031.0733	0.1078	0.0000	1,033.3374
2022	0.4800	3.1118	5.5508	0.0128	0.5613	0.1374	0.6987	0.1510	0.1289	0.2798	0.0000	966.1340	966.1340	0.1059	0.0000	968.3570
2023	3.9620	0.1647	0.2862	5.8000e-004	0.0188	8.2100e-003	0.0270	5.0100e-003	7.7000e-003	0.0127	0.0000	44.9862	44.9862	8.9300e-003	0.0000	45.1737
<b>Total</b>	<b>5.3512</b>	<b>10.3556</b>	<b>15.2615</b>	<b>0.0326</b>	<b>1.7795</b>	<b>0.4741</b>	<b>2.2537</b>	<b>0.6032</b>	<b>0.4427</b>	<b>1.0459</b>	<b>0.0000</b>	<b>2,506.1817</b>	<b>2,506.1817</b>	<b>0.3347</b>	<b>0.0000</b>	<b>2,513.2092</b>



**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	3.2181	0.0336	2.9008	4.6000e-004		0.0689	0.0689		0.0689	0.0689	5.5649	13.1140	18.6790	0.0143	4.6000e-004	19.1229
Energy	0.0445	0.3805	0.1619	2.4300e-003		0.0308	0.0308		0.0308	0.0308	0.0000	862.3188	862.3188	0.0275	0.0120	866.6239
Mobile	0.9912	2.2848	10.4305	0.0290	1.8785	0.0459	1.9245	0.5049	0.0424	0.5473	0.0000	1,992.9455	1,992.9455	0.0595	0.0000	1,994.1948
Waste						0.0000	0.0000		0.0000	0.0000	31.8107	0.0000	31.8107	1.8800	0.0000	71.2899
Water						0.0000	0.0000		0.0000	0.0000	7.0279	53.4576	60.4855	0.7243	0.0175	81.1335
<b>Total</b>	<b>4.2538</b>	<b>2.6989</b>	<b>13.4932</b>	<b>0.0319</b>	<b>1.8785</b>	<b>0.1456</b>	<b>2.0241</b>	<b>0.5049</b>	<b>0.1420</b>	<b>0.6469</b>	<b>44.4036</b>	<b>2,921.8358</b>	<b>2,966.2394</b>	<b>2.7055</b>	<b>0.0300</b>	<b>3,032.3650</b>

## 2.2 Overall Operational

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.2181	0.0336	2.9008	4.6000e-004		0.0689	0.0689		0.0689	0.0689	5.5649	13.1140	18.6790	0.0143	4.6000e-004	19.1229
Energy	0.0445	0.3805	0.1619	2.4300e-003		0.0308	0.0308		0.0308	0.0308	0.0000	862.3188	862.3188	0.0275	0.0120	866.6239
Mobile	0.9912	2.2848	10.4305	0.0290	1.8785	0.0459	1.9245	0.5049	0.0424	0.5473	0.0000	1,992.9455	1,992.9455	0.0595	0.0000	1,994.1948
Waste						0.0000	0.0000		0.0000	0.0000	31.8107	0.0000	31.8107	1.8800	0.0000	71.2899
Water						0.0000	0.0000		0.0000	0.0000	7.0279	53.4576	60.4855	0.7241	0.0175	81.1223
<b>Total</b>	<b>4.2538</b>	<b>2.6989</b>	<b>13.4932</b>	<b>0.0319</b>	<b>1.8785</b>	<b>0.1456</b>	<b>2.0241</b>	<b>0.5049</b>	<b>0.1420</b>	<b>0.6469</b>	<b>44.4036</b>	<b>2,921.8358</b>	<b>2,966.2394</b>	<b>2.7054</b>	<b>0.0300</b>	<b>3,032.3538</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	0.07	0.00

## 3.0 Construction Detail

### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2020	7/21/2020	6	44	
2	Site Preparation	Site Preparation	7/22/2020	8/24/2020	6	29	
3	Grading	Grading	8/25/2020	11/9/2020	6	66	
4	Building Construction	Building Construction	11/10/2020	12/1/2022	6	645	
5	Paving	Paving	12/2/2022	1/30/2023	6	51	
6	Architectural Coating	Architectural Coating	1/31/2023	3/30/2023	6	51	

**Acres of Grading (Site Preparation Phase): 27.8**

**Acres of Grading (Grading Phase): 27.8**

**Acres of Paving: 0**

**Residential Indoor: 688,500; Residential Outdoor: 229,500; Non-Residential Indoor: 444,312; Non-Residential Outdoor: 148,104 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	162	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	162	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	125	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	130	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Building Construction	Welders	1	8.00	46	0.45

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	369.00	85.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	74.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

### 3.2 Demolition - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0681	0.6823	0.6514	8.8000e-004		0.0328	0.0328		0.0305	0.0305	0.0000	76.9811	76.9811	0.0218	0.0000	77.4393
<b>Total</b>	<b>0.0681</b>	<b>0.6823</b>	<b>0.6514</b>	<b>8.8000e-004</b>		<b>0.0328</b>	<b>0.0328</b>		<b>0.0305</b>	<b>0.0305</b>	<b>0.0000</b>	<b>76.9811</b>	<b>76.9811</b>	<b>0.0218</b>	<b>0.0000</b>	<b>77.4393</b>



### 3.2 Demolition - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	8.4000e-004	1.2600e-003	0.0120	4.0000e-005	3.0000e-003	2.0000e-005	3.0200e-003	8.0000e-004	2.0000e-005	8.2000e-004	0.0000	2.3353	2.3353	1.1000e-004	0.0000	2.3377
<b>Total</b>	<b>8.4000e-004</b>	<b>1.2600e-003</b>	<b>0.0120</b>	<b>4.0000e-005</b>	<b>3.0000e-003</b>	<b>2.0000e-005</b>	<b>3.0200e-003</b>	<b>8.0000e-004</b>	<b>2.0000e-005</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>2.3353</b>	<b>2.3353</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>2.3377</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	0.0681	0.6823	0.6514	8.8000e-004		0.0328	0.0328		0.0305	0.0305	0.0000	76.9810	76.9810	0.0218	0.0000	77.4392
<b>Total</b>	<b>0.0681</b>	<b>0.6823</b>	<b>0.6514</b>	<b>8.8000e-004</b>		<b>0.0328</b>	<b>0.0328</b>		<b>0.0305</b>	<b>0.0305</b>	<b>0.0000</b>	<b>76.9810</b>	<b>76.9810</b>	<b>0.0218</b>	<b>0.0000</b>	<b>77.4392</b>

### 3.2 Demolition - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	8.4000e-004	1.2600e-003	0.0120	4.0000e-005	3.0000e-003	2.0000e-005	3.0200e-003	8.0000e-004	2.0000e-005	8.2000e-004	0.0000	2.3353	2.3353	1.1000e-004	0.0000	2.3377
<b>Total</b>	<b>8.4000e-004</b>	<b>1.2600e-003</b>	<b>0.0120</b>	<b>4.0000e-005</b>	<b>3.0000e-003</b>	<b>2.0000e-005</b>	<b>3.0200e-003</b>	<b>8.0000e-004</b>	<b>2.0000e-005</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>2.3353</b>	<b>2.3353</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>2.3377</b>

### 3.3 Site Preparation - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2767	0.0000	0.2767	0.1456	0.0000	0.1456	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0540	0.5635	0.4774	5.7000e-004		0.0280	0.0280		0.0258	0.0258	0.0000	49.8844	49.8844	0.0161	0.0000	50.2232
<b>Total</b>	<b>0.0540</b>	<b>0.5635</b>	<b>0.4774</b>	<b>5.7000e-004</b>	<b>0.2767</b>	<b>0.0280</b>	<b>0.3047</b>	<b>0.1456</b>	<b>0.0258</b>	<b>0.1714</b>	<b>0.0000</b>	<b>49.8844</b>	<b>49.8844</b>	<b>0.0161</b>	<b>0.0000</b>	<b>50.2232</b>

### 3.3 Site Preparation - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	1.0000e-003	9.4600e-003	3.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	1.8470	1.8470	9.0000e-005	0.0000	1.8489
<b>Total</b>	<b>6.6000e-004</b>	<b>1.0000e-003</b>	<b>9.4600e-003</b>	<b>3.0000e-005</b>	<b>2.3700e-003</b>	<b>2.0000e-005</b>	<b>2.3900e-003</b>	<b>6.3000e-004</b>	<b>2.0000e-005</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>1.8470</b>	<b>1.8470</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.8489</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					0.1245	0.0000	0.1245	0.0655	0.0000	0.0655	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0540	0.5635	0.4774	5.7000e-004		0.0280	0.0280		0.0258	0.0258	0.0000	49.8843	49.8843	0.0161	0.0000	50.2231
<b>Total</b>	<b>0.0540</b>	<b>0.5635</b>	<b>0.4774</b>	<b>5.7000e-004</b>	<b>0.1245</b>	<b>0.0280</b>	<b>0.1525</b>	<b>0.0655</b>	<b>0.0258</b>	<b>0.0913</b>	<b>0.0000</b>	<b>49.8843</b>	<b>49.8843</b>	<b>0.0161</b>	<b>0.0000</b>	<b>50.2231</b>

### 3.3 Site Preparation - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	1.0000e-003	9.4600e-003	3.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	1.8470	1.8470	9.0000e-005	0.0000	1.8489
<b>Total</b>	<b>6.6000e-004</b>	<b>1.0000e-003</b>	<b>9.4600e-003</b>	<b>3.0000e-005</b>	<b>2.3700e-003</b>	<b>2.0000e-005</b>	<b>2.3900e-003</b>	<b>6.3000e-004</b>	<b>2.0000e-005</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>1.8470</b>	<b>1.8470</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.8489</b>

### 3.4 Grading - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2135	0.0000	0.2135	0.1108	0.0000	0.1108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1502	1.6297	1.2681	2.0400e-003		0.0746	0.0746		0.0687	0.0687	0.0000	178.9553	178.9553	0.0579	0.0000	180.1707
<b>Total</b>	<b>0.1502</b>	<b>1.6297</b>	<b>1.2681</b>	<b>2.0400e-003</b>	<b>0.2135</b>	<b>0.0746</b>	<b>0.2881</b>	<b>0.1108</b>	<b>0.0687</b>	<b>0.1795</b>	<b>0.0000</b>	<b>178.9553</b>	<b>178.9553</b>	<b>0.0579</b>	<b>0.0000</b>	<b>180.1707</b>

### 3.4 Grading - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.6800e-003	2.5200e-003	0.0239	7.0000e-005	5.9900e-003	5.0000e-005	6.0400e-003	1.5900e-003	4.0000e-005	1.6400e-003	0.0000	4.6707	4.6707	2.3000e-004	0.0000	4.6754
<b>Total</b>	<b>1.6800e-003</b>	<b>2.5200e-003</b>	<b>0.0239</b>	<b>7.0000e-005</b>	<b>5.9900e-003</b>	<b>5.0000e-005</b>	<b>6.0400e-003</b>	<b>1.5900e-003</b>	<b>4.0000e-005</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>4.6707</b>	<b>4.6707</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>4.6754</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					0.0961	0.0000	0.0961	0.0499	0.0000	0.0499	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1502	1.6297	1.2681	2.0400e-003		0.0746	0.0746		0.0687	0.0687	0.0000	178.9550	178.9550	0.0579	0.0000	180.1705
<b>Total</b>	<b>0.1502</b>	<b>1.6297</b>	<b>1.2681</b>	<b>2.0400e-003</b>	<b>0.0961</b>	<b>0.0746</b>	<b>0.1707</b>	<b>0.0499</b>	<b>0.0687</b>	<b>0.1185</b>	<b>0.0000</b>	<b>178.9550</b>	<b>178.9550</b>	<b>0.0579</b>	<b>0.0000</b>	<b>180.1705</b>

### 3.4 Grading - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.6800e-003	2.5200e-003	0.0239	7.0000e-005	5.9900e-003	5.0000e-005	6.0400e-003	1.5900e-003	4.0000e-005	1.6400e-003	0.0000	4.6707	4.6707	2.3000e-004	0.0000	4.6754
<b>Total</b>	<b>1.6800e-003</b>	<b>2.5200e-003</b>	<b>0.0239</b>	<b>7.0000e-005</b>	<b>5.9900e-003</b>	<b>5.0000e-005</b>	<b>6.0400e-003</b>	<b>1.5900e-003</b>	<b>4.0000e-005</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>4.6707</b>	<b>4.6707</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>4.6754</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0475	0.4294	0.3782	6.0000e-004		0.0250	0.0250		0.0236	0.0236	0.0000	51.8962	51.8962	0.0126	0.0000	52.1617
<b>Total</b>	<b>0.0475</b>	<b>0.4294</b>	<b>0.3782</b>	<b>6.0000e-004</b>		<b>0.0250</b>	<b>0.0250</b>		<b>0.0236</b>	<b>0.0236</b>	<b>0.0000</b>	<b>51.8962</b>	<b>51.8962</b>	<b>0.0126</b>	<b>0.0000</b>	<b>52.1617</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0169	0.1220	0.2266	4.6000e-004	0.0124	1.9300e-003	0.0143	3.5500e-003	1.7800e-003	5.3300e-003	0.0000	38.6634	38.6634	3.0000e-004	0.0000	38.6697
Worker	0.0211	0.0317	0.3009	9.0000e-004	0.0754	5.7000e-004	0.0759	0.0201	5.3000e-004	0.0206	0.0000	58.7548	58.7548	2.8500e-003	0.0000	58.8145
<b>Total</b>	<b>0.0380</b>	<b>0.1537</b>	<b>0.5274</b>	<b>1.3600e-003</b>	<b>0.0877</b>	<b>2.5000e-003</b>	<b>0.0902</b>	<b>0.0236</b>	<b>2.3100e-003</b>	<b>0.0259</b>	<b>0.0000</b>	<b>97.4182</b>	<b>97.4182</b>	<b>3.1500e-003</b>	<b>0.0000</b>	<b>97.4842</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	0.0475	0.4294	0.3782	6.0000e-004		0.0250	0.0250		0.0236	0.0236	0.0000	51.8962	51.8962	0.0126	0.0000	52.1617
<b>Total</b>	<b>0.0475</b>	<b>0.4294</b>	<b>0.3782</b>	<b>6.0000e-004</b>		<b>0.0250</b>	<b>0.0250</b>		<b>0.0236</b>	<b>0.0236</b>	<b>0.0000</b>	<b>51.8962</b>	<b>51.8962</b>	<b>0.0126</b>	<b>0.0000</b>	<b>52.1617</b>

### 3.5 Building Construction - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0169	0.1220	0.2266	4.6000e-004	0.0124	1.9300e-003	0.0143	3.5500e-003	1.7800e-003	5.3300e-003	0.0000	38.6634	38.6634	3.0000e-004	0.0000	38.6697
Worker	0.0211	0.0317	0.3009	9.0000e-004	0.0754	5.7000e-004	0.0759	0.0201	5.3000e-004	0.0206	0.0000	58.7548	58.7548	2.8500e-003	0.0000	58.8145
<b>Total</b>	<b>0.0380</b>	<b>0.1537</b>	<b>0.5274</b>	<b>1.3600e-003</b>	<b>0.0877</b>	<b>2.5000e-003</b>	<b>0.0902</b>	<b>0.0236</b>	<b>2.3100e-003</b>	<b>0.0259</b>	<b>0.0000</b>	<b>97.4182</b>	<b>97.4182</b>	<b>3.1500e-003</b>	<b>0.0000</b>	<b>97.4842</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2963	2.7138	2.5881	4.2000e-003		0.1494	0.1494		0.1405	0.1405	0.0000	361.0099	361.0099	0.0870	0.0000	362.8364
<b>Total</b>	<b>0.2963</b>	<b>2.7138</b>	<b>2.5881</b>	<b>4.2000e-003</b>		<b>0.1494</b>	<b>0.1494</b>		<b>0.1405</b>	<b>0.1405</b>	<b>0.0000</b>	<b>361.0099</b>	<b>361.0099</b>	<b>0.0870</b>	<b>0.0000</b>	<b>362.8364</b>



### 3.5 Building Construction - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1135	0.6967	1.5354	3.1600e-003	0.0860	0.0121	0.0981	0.0247	0.0111	0.0358	0.0000	268.5498	268.5498	2.0600e-003	0.0000	268.5932
Worker	0.1385	0.2053	1.9530	6.2500e-003	0.5242	3.9400e-003	0.5281	0.1394	3.6500e-003	0.1431	0.0000	401.5135	401.5135	0.0188	0.0000	401.9079
<b>Total</b>	<b>0.2520</b>	<b>0.9020</b>	<b>3.4884</b>	<b>9.4100e-003</b>	<b>0.6102</b>	<b>0.0160</b>	<b>0.6262</b>	<b>0.1641</b>	<b>0.0148</b>	<b>0.1789</b>	<b>0.0000</b>	<b>670.0634</b>	<b>670.0634</b>	<b>0.0208</b>	<b>0.0000</b>	<b>670.5010</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	0.2963	2.7138	2.5881	4.2000e-003		0.1494	0.1494		0.1405	0.1405	0.0000	361.0095	361.0095	0.0870	0.0000	362.8359
<b>Total</b>	<b>0.2963</b>	<b>2.7138</b>	<b>2.5881</b>	<b>4.2000e-003</b>		<b>0.1494</b>	<b>0.1494</b>		<b>0.1405</b>	<b>0.1405</b>	<b>0.0000</b>	<b>361.0095</b>	<b>361.0095</b>	<b>0.0870</b>	<b>0.0000</b>	<b>362.8359</b>

### 3.5 Building Construction - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1135	0.6967	1.5354	3.1600e-003	0.0860	0.0121	0.0981	0.0247	0.0111	0.0358	0.0000	268.5498	268.5498	2.0600e-003	0.0000	268.5932
Worker	0.1385	0.2053	1.9530	6.2500e-003	0.5242	3.9400e-003	0.5281	0.1394	3.6500e-003	0.1431	0.0000	401.5135	401.5135	0.0188	0.0000	401.9079
<b>Total</b>	<b>0.2520</b>	<b>0.9020</b>	<b>3.4884</b>	<b>9.4100e-003</b>	<b>0.6102</b>	<b>0.0160</b>	<b>0.6262</b>	<b>0.1641</b>	<b>0.0148</b>	<b>0.1789</b>	<b>0.0000</b>	<b>670.0634</b>	<b>670.0634</b>	<b>0.0208</b>	<b>0.0000</b>	<b>670.5010</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2438	2.2295	2.3430	3.8500e-003		0.1156	0.1156		0.1088	0.1088	0.0000	331.1479	331.1479	0.0792	0.0000	332.8115
<b>Total</b>	<b>0.2438</b>	<b>2.2295</b>	<b>2.3430</b>	<b>3.8500e-003</b>		<b>0.1156</b>	<b>0.1156</b>		<b>0.1088</b>	<b>0.1088</b>	<b>0.0000</b>	<b>331.1479</b>	<b>331.1479</b>	<b>0.0792</b>	<b>0.0000</b>	<b>332.8115</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0995	0.5640	1.3418	2.9000e-003	0.0789	0.0109	0.0898	0.0227	0.0101	0.0327	0.0000	246.0166	246.0166	1.9300e-003	0.0000	0.0000	246.0572
Worker	0.1200	0.1758	1.6742	5.7300e-003	0.4806	3.6000e-003	0.4842	0.1278	3.3400e-003	0.1312	0.0000	362.1540	362.1540	0.0164	0.0000	0.0000	362.4985
<b>Total</b>	<b>0.2195</b>	<b>0.7399</b>	<b>3.0160</b>	<b>8.6300e-003</b>	<b>0.5595</b>	<b>0.0145</b>	<b>0.5740</b>	<b>0.1505</b>	<b>0.0134</b>	<b>0.1639</b>	<b>0.0000</b>	<b>608.1706</b>	<b>608.1706</b>	<b>0.0183</b>	<b>0.0000</b>	<b>0.0000</b>	<b>608.5557</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	0.2438	2.2295	2.3430	3.8500e-003		0.1156	0.1156		0.1088	0.1088	0.0000	331.1475	331.1475	0.0792	0.0000	0.0000	332.8111
<b>Total</b>	<b>0.2438</b>	<b>2.2295</b>	<b>2.3430</b>	<b>3.8500e-003</b>		<b>0.1156</b>	<b>0.1156</b>		<b>0.1088</b>	<b>0.1088</b>	<b>0.0000</b>	<b>331.1475</b>	<b>331.1475</b>	<b>0.0792</b>	<b>0.0000</b>	<b>0.0000</b>	<b>332.8111</b>

### 3.5 Building Construction - 2022

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0995	0.5640	1.3418	2.9000e-003	0.0789	0.0109	0.0898	0.0227	0.0101	0.0327	0.0000	246.0166	246.0166	1.9300e-003	0.0000	246.0572
Worker	0.1200	0.1758	1.6742	5.7300e-003	0.4806	3.6000e-003	0.4842	0.1278	3.3400e-003	0.1312	0.0000	362.1540	362.1540	0.0164	0.0000	362.4985
<b>Total</b>	<b>0.2195</b>	<b>0.7399</b>	<b>3.0160</b>	<b>8.6300e-003</b>	<b>0.5595</b>	<b>0.0145</b>	<b>0.5740</b>	<b>0.1505</b>	<b>0.0134</b>	<b>0.1639</b>	<b>0.0000</b>	<b>608.1706</b>	<b>608.1706</b>	<b>0.0183</b>	<b>0.0000</b>	<b>608.5557</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	0.0141	0.1418	0.1857	2.9000e-004		7.2500e-003	7.2500e-003		6.6700e-003	6.6700e-003	0.0000	25.4819	25.4819	8.2400e-003	0.0000	25.6549
Paving	2.1400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0162</b>	<b>0.1418</b>	<b>0.1857</b>	<b>2.9000e-004</b>		<b>7.2500e-003</b>	<b>7.2500e-003</b>		<b>6.6700e-003</b>	<b>6.6700e-003</b>	<b>0.0000</b>	<b>25.4819</b>	<b>25.4819</b>	<b>8.2400e-003</b>	<b>0.0000</b>	<b>25.6549</b>

### 3.6 Paving - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	6.5000e-004	6.1700e-003	2.0000e-005	1.7700e-003	1.0000e-005	1.7800e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.3337	1.3337	6.0000e-005	0.0000	1.3349
<b>Total</b>	<b>4.4000e-004</b>	<b>6.5000e-004</b>	<b>6.1700e-003</b>	<b>2.0000e-005</b>	<b>1.7700e-003</b>	<b>1.0000e-005</b>	<b>1.7800e-003</b>	<b>4.7000e-004</b>	<b>1.0000e-005</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>1.3337</b>	<b>1.3337</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.3349</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	0.0141	0.1418	0.1857	2.9000e-004		7.2500e-003	7.2500e-003		6.6700e-003	6.6700e-003	0.0000	25.4818	25.4818	8.2400e-003	0.0000	25.6549
Paving	2.1400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0162</b>	<b>0.1418</b>	<b>0.1857</b>	<b>2.9000e-004</b>		<b>7.2500e-003</b>	<b>7.2500e-003</b>		<b>6.6700e-003</b>	<b>6.6700e-003</b>	<b>0.0000</b>	<b>25.4818</b>	<b>25.4818</b>	<b>8.2400e-003</b>	<b>0.0000</b>	<b>25.6549</b>

### 3.6 Paving - 2022

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	6.5000e-004	6.1700e-003	2.0000e-005	1.7700e-003	1.0000e-005	1.7800e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.3337	1.3337	6.0000e-005	0.0000	1.3349
<b>Total</b>	<b>4.4000e-004</b>	<b>6.5000e-004</b>	<b>6.1700e-003</b>	<b>2.0000e-005</b>	<b>1.7700e-003</b>	<b>1.0000e-005</b>	<b>1.7800e-003</b>	<b>4.7000e-004</b>	<b>1.0000e-005</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>1.3337</b>	<b>1.3337</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.3349</b>

### 3.6 Paving - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0127	0.1250	0.1786	2.8000e-004		6.2600e-003	6.2600e-003		5.7600e-003	5.7600e-003	0.0000	24.5010	24.5010	7.9200e-003	0.0000	24.6674
Paving	2.0500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0147</b>	<b>0.1250</b>	<b>0.1786</b>	<b>2.8000e-004</b>		<b>6.2600e-003</b>	<b>6.2600e-003</b>		<b>5.7600e-003</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>24.5010</b>	<b>24.5010</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>24.6674</b>

### 3.6 Paving - 2023

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	5.8000e-004	5.5500e-003	2.0000e-005	1.7000e-003	1.0000e-005	1.7100e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.2631	1.2631	6.0000e-005	0.0000	1.2642
<b>Total</b>	<b>4.0000e-004</b>	<b>5.8000e-004</b>	<b>5.5500e-003</b>	<b>2.0000e-005</b>	<b>1.7000e-003</b>	<b>1.0000e-005</b>	<b>1.7100e-003</b>	<b>4.5000e-004</b>	<b>1.0000e-005</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>1.2631</b>	<b>1.2631</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.2642</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	0.0127	0.1250	0.1786	2.8000e-004		6.2600e-003	6.2600e-003		5.7600e-003	5.7600e-003	0.0000	24.5009	24.5009	7.9200e-003	0.0000	24.6673
Paving	2.0500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0147</b>	<b>0.1250</b>	<b>0.1786</b>	<b>2.8000e-004</b>		<b>6.2600e-003</b>	<b>6.2600e-003</b>		<b>5.7600e-003</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>24.5009</b>	<b>24.5009</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>24.6673</b>

### 3.6 Paving - 2023

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	5.8000e-004	5.5500e-003	2.0000e-005	1.7000e-003	1.0000e-005	1.7100e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.2631	1.2631	6.0000e-005	0.0000	1.2642
<b>Total</b>	<b>4.0000e-004</b>	<b>5.8000e-004</b>	<b>5.5500e-003</b>	<b>2.0000e-005</b>	<b>1.7000e-003</b>	<b>1.0000e-005</b>	<b>1.7100e-003</b>	<b>4.5000e-004</b>	<b>1.0000e-005</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>1.2631</b>	<b>1.2631</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.2642</b>

### 3.7 Architectural Coating - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.9379					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8900e-003	0.0332	0.0462	8.0000e-005		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003	0.0000	6.5108	6.5108	3.9000e-004	0.0000	6.5190
<b>Total</b>	<b>3.9428</b>	<b>0.0332</b>	<b>0.0462</b>	<b>8.0000e-005</b>		<b>1.8100e-003</b>	<b>1.8100e-003</b>		<b>1.8100e-003</b>	<b>1.8100e-003</b>	<b>0.0000</b>	<b>6.5108</b>	<b>6.5108</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>6.5190</b>



### 3.7 Architectural Coating - 2023

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	4.0500e-003	5.8800e-003	0.0559	2.0000e-004	0.0171	1.3000e-004	0.0173	4.5600e-003	1.2000e-004	4.6700e-003	0.0000	12.7114	12.7114	5.6000e-004	0.0000	12.7231	
<b>Total</b>	<b>4.0500e-003</b>	<b>5.8800e-003</b>	<b>0.0559</b>	<b>2.0000e-004</b>	<b>0.0171</b>	<b>1.3000e-004</b>	<b>0.0173</b>	<b>4.5600e-003</b>	<b>1.2000e-004</b>	<b>4.6700e-003</b>	<b>0.0000</b>	<b>12.7114</b>	<b>12.7114</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>12.7231</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	3.9379					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8900e-003	0.0332	0.0462	8.0000e-005		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003	0.0000	6.5108	6.5108	3.9000e-004	0.0000	6.5190
<b>Total</b>	<b>3.9428</b>	<b>0.0332</b>	<b>0.0462</b>	<b>8.0000e-005</b>		<b>1.8100e-003</b>	<b>1.8100e-003</b>		<b>1.8100e-003</b>	<b>1.8100e-003</b>	<b>0.0000</b>	<b>6.5108</b>	<b>6.5108</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>6.5190</b>

### 3.7 Architectural Coating - 2023

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0500e-003	5.8800e-003	0.0559	2.0000e-004	0.0171	1.3000e-004	0.0173	4.5600e-003	1.2000e-004	4.6700e-003	0.0000	12.7114	12.7114	5.6000e-004	0.0000	12.7231
<b>Total</b>	<b>4.0500e-003</b>	<b>5.8800e-003</b>	<b>0.0559</b>	<b>2.0000e-004</b>	<b>0.0171</b>	<b>1.3000e-004</b>	<b>0.0173</b>	<b>4.5600e-003</b>	<b>1.2000e-004</b>	<b>4.6700e-003</b>	<b>0.0000</b>	<b>12.7114</b>	<b>12.7114</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>12.7231</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	0.9912	2.2848	10.4305	0.0290	1.8785	0.0459	1.9245	0.5049	0.0424	0.5473	0.0000	1,992.9455	1,992.9455	0.0595	0.0000	1,994.1948
Unmitigated	0.9912	2.2848	10.4305	0.0290	1.8785	0.0459	1.9245	0.5049	0.0424	0.5473	0.0000	1,992.9455	1,992.9455	0.0595	0.0000	1,994.1948

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	5.72	5.72	5.72	12,220	12,220
Condo/Townhouse	2,240.60	2,434.40	2063.80	5,007,261	5,007,261
Other Asphalt Surfaces	0.00	0.00	0.00		
<b>Total</b>	<b>2,246.32</b>	<b>2,440.12</b>	<b>2,069.52</b>	<b>5,019,481</b>	<b>5,019,481</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-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.540708	0.062029	0.166535	0.109313	0.030530	0.004548	0.019619	0.054044	0.001811	0.003599	0.005676	0.000189	0.001400

### 5.0 Energy Detail

#### 5.1 Fleet Mix

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	421.6222	421.6222	0.0191	3.9400e-003	423.2454
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	421.6222	421.6222	0.0191	3.9400e-003	423.2454
NaturalGas Mitigated	0.0445	0.3805	0.1619	2.4300e-003		0.0308	0.0308		0.0308	0.0308	0.0000	440.6966	440.6966	8.4500e-003	8.0800e-003	443.3786
NaturalGas Unmitigated	0.0445	0.3805	0.1619	2.4300e-003		0.0308	0.0308		0.0308	0.0308	0.0000	440.6966	440.6966	8.4500e-003	8.0800e-003	443.3786

**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					
Condo/Townhouse	8.25834e+006	0.0445	0.3805	0.1619	2.4300e-003		0.0308	0.0308		0.0308	0.0308	0.0000	440.6966	440.6966	8.4500e-003	8.0800e-003	443.3786
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	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>0.0445</b>	<b>0.3805</b>	<b>0.1619</b>	<b>2.4300e-003</b>		<b>0.0308</b>	<b>0.0308</b>		<b>0.0308</b>	<b>0.0308</b>	<b>0.0000</b>	<b>440.6966</b>	<b>440.6966</b>	<b>8.4500e-003</b>	<b>8.0800e-003</b>	<b>443.3786</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	8.25834e+006	0.0445	0.3805	0.1619	2.4300e-003		0.0308	0.0308		0.0308	0.0308	0.0000	440.6966	440.6966	8.4500e-003	8.0800e-003	443.3786
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	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>0.0445</b>	<b>0.3805</b>	<b>0.1619</b>	<b>2.4300e-003</b>		<b>0.0308</b>	<b>0.0308</b>		<b>0.0308</b>	<b>0.0308</b>	<b>0.0000</b>	<b>440.6966</b>	<b>440.6966</b>	<b>8.4500e-003</b>	<b>8.0800e-003</b>	<b>443.3786</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	1.44931e+006	421.6222	0.0191	3.9400e-003	423.2454
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>421.6222</b>	<b>0.0191</b>	<b>3.9400e-003</b>	<b>423.2454</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	1.44931e+006	421.6222	0.0191	3.9400e-003	423.2454
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>421.6222</b>	<b>0.0191</b>	<b>3.9400e-003</b>	<b>423.2454</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	3.2181	0.0336	2.9008	4.6000e-004		0.0689	0.0689		0.0689	0.0689	5.5649	13.1140	18.6790	0.0143	4.6000e-004	19.1229
Unmitigated	3.2181	0.0336	2.9008	4.6000e-004		0.0689	0.0689		0.0689	0.0689	5.5649	13.1140	18.6790	0.0143	4.6000e-004	19.1229

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3938					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4847					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.2637	4.4800e-003	0.3773	3.2000e-004		0.0549	0.0549		0.0549	0.0549	5.5649	8.9901	14.5550	0.0103	4.6000e-004	14.9159
Landscaping	0.0759	0.0291	2.5235	1.3000e-004		0.0140	0.0140		0.0140	0.0140	0.0000	4.1239	4.1239	3.9600e-003	0.0000	4.2070
<b>Total</b>	<b>3.2180</b>	<b>0.0336</b>	<b>2.9008</b>	<b>4.5000e-004</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0689</b>	<b>0.0689</b>	<b>5.5649</b>	<b>13.1140</b>	<b>18.6790</b>	<b>0.0143</b>	<b>4.6000e-004</b>	<b>19.1229</b>

### 6.2 Area by SubCategory

#### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3938					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4847					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.2637	4.4800e-003	0.3773	3.2000e-004		0.0549	0.0549		0.0549	0.0549	5.5649	8.9901	14.5550	0.0103	4.6000e-004	14.9159
Landscaping	0.0759	0.0291	2.5235	1.3000e-004		0.0140	0.0140		0.0140	0.0140	0.0000	4.1239	4.1239	3.9600e-003	0.0000	4.2070
<b>Total</b>	<b>3.2180</b>	<b>0.0336</b>	<b>2.9008</b>	<b>4.5000e-004</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0689</b>	<b>0.0689</b>	<b>5.5649</b>	<b>13.1140</b>	<b>18.6790</b>	<b>0.0143</b>	<b>4.6000e-004</b>	<b>19.1229</b>

### 7.0 Water Detail

#### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	60.4855	0.7241	0.0175	81.1223
Unmitigated	60.4855	0.7243	0.0175	81.1335



## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 4.28933	4.3674	2.0000e-004	4.0000e-005	4.3842
Condo/Townhouse	22.1524 / 13.9656	56.1181	0.7241	0.0175	76.7493
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>60.4855</b>	<b>0.7243</b>	<b>0.0175</b>	<b>81.1335</b>

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 4.28933	4.3674	2.0000e-004	4.0000e-005	4.3842
Condo/Townhouse	22.1524 / 13.9656	56.1181	0.7239	0.0175	76.7381
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>60.4855</b>	<b>0.7241</b>	<b>0.0175</b>	<b>81.1223</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	31.8107	1.8800	0.0000	71.2899
Unmitigated	31.8107	1.8800	0.0000	71.2899

### 8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.31	0.0629	3.7200e-003	0.0000	0.1410
Condo/Townhouse	156.4	31.7478	1.8762	0.0000	71.1488
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>31.8107</b>	<b>1.8800</b>	<b>0.0000</b>	<b>71.2899</b>

## 8.2 Waste by Land Use

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.31	0.0629	3.7200e-003	0.0000	0.1410
Condo/Townhouse	156.4	31.7478	1.8762	0.0000	71.1488
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>31.8107</b>	<b>1.8800</b>	<b>0.0000</b>	<b>71.2899</b>

## 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 Vegetation

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## Oak Knoll Phase I - Off-Site Hauling Alameda County, Annual

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	10.30	Acre	10.30	448,668.00	0
Parking Lot	87.21	1000sqft	2.00	87,210.00	0
City Park	23.90	Acre	23.90	1,041,084.00	0
Health Club	14.00	1000sqft	2.80	14,000.00	0
High Turnover (Sit Down Restaurant)	6.00	1000sqft	0.55	6,000.00	0
Condo/Townhouse	232.00	Dwelling Unit	13.00	232,000.00	664
Single Family Housing	100.00	Dwelling Unit	9.20	180,000.00	286
Supermarket	66.00	1000sqft	6.05	66,000.00	0

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	63
<b>Climate Zone</b>	5			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<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 - Updated project specific data.

Construction Phase - Project specific construction schedule.

Off-road Equipment - Project specific info for on-site material crushing.

Trips and VMT - Hauling trips provided by applicant.

Demolition -

Grading - Project specific information.

Architectural Coating -

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation - BAAQMD Basic Construction Mitigation.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
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tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	1,110.00	1,116.00
tblConstructionPhase	NumDays	70.00	90.00

tblConstructionPhase	NumDays	110.00	111.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/30/2017	8/7/2017
tblConstructionPhase	PhaseStartDate	7/15/2017	6/22/2017
tblGrading	AcresOfGrading	277.50	67.60
tblGrading	AcresOfGrading	0.00	67.60
tblGrading	MaterialExported	0.00	5,500.00
tblLandUse	LotAcreage	0.32	2.80
tblLandUse	LotAcreage	0.14	0.55
tblLandUse	LotAcreage	14.50	13.00
tblLandUse	LotAcreage	32.47	9.20
tblLandUse	LotAcreage	1.52	6.05
tblProjectCharacteristics	OperationalYear	2014	2024
tblSequestration	NumberOfNewTrees	0.00	910.00
tblTripsAndVMT	HaulingTripNumber	10,877.00	7,610.00
tblTripsAndVMT	HaulingTripNumber	688.00	780.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	3.45	3.16
tblVehicleEF	HHD	1.09	1.18
tblVehicleEF	HHD	60.69	70.28
tblVehicleEF	HHD	527.63	528.30
tblVehicleEF	HHD	1,551.39	1,562.90

tblVehicleEF	HHD	49.32	49.33
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	3.27	3.98
tblVehicleEF	HHD	2.13	3.95
tblVehicleEF	HHD	3.88	4.42
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tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	8.3800e-004	1.3290e-003
tblVehicleEF	HHD	8.3640e-003	9.4890e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7720e-003	8.7660e-003
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	7.7700e-004	1.2320e-003
tblVehicleEF	HHD	1.2500e-003	1.4640e-003
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	0.61	0.56
tblVehicleEF	HHD	8.9000e-004	1.0080e-003
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	0.40	0.53
tblVehicleEF	HHD	1.60	2.31
tblVehicleEF	HHD	5.5930e-003	5.6000e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.5500e-003	1.7230e-003
tblVehicleEF	HHD	1.2500e-003	1.4640e-003
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	0.70	0.64



tblVehicleEF	HHD	8.9000e-004	1.0080e-003
tblVehicleEF	HHD	0.25	0.27
tblVehicleEF	HHD	0.40	0.53
tblVehicleEF	HHD	1.71	2.47
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.50	2.29
tblVehicleEF	HHD	1.09	1.19
tblVehicleEF	HHD	41.34	46.57
tblVehicleEF	HHD	558.98	559.68
tblVehicleEF	HHD	1,551.39	1,562.90
tblVehicleEF	HHD	49.32	49.33
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	3.37	4.10
tblVehicleEF	HHD	2.05	3.81
tblVehicleEF	HHD	3.60	4.10
tblVehicleEF	HHD	7.6640e-003	8.6950e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	8.3800e-004	1.3290e-003
tblVehicleEF	HHD	7.0510e-003	8.0000e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7720e-003	8.7660e-003
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	7.7700e-004	1.2320e-003
tblVehicleEF	HHD	3.1140e-003	3.8410e-003
tblVehicleEF	HHD	0.08	0.10

tblVehicleEF	HHD	0.58	0.53
tblVehicleEF	HHD	1.9820e-003	2.4480e-003
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	0.39	0.52
tblVehicleEF	HHD	1.27	1.77
tblVehicleEF	HHD	5.9250e-003	5.9330e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2360e-003	1.3340e-003
tblVehicleEF	HHD	3.1140e-003	3.8410e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	0.66	0.60
tblVehicleEF	HHD	1.9820e-003	2.4480e-003
tblVehicleEF	HHD	0.25	0.27
tblVehicleEF	HHD	0.39	0.52
tblVehicleEF	HHD	1.36	1.88
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	4.75	4.35
tblVehicleEF	HHD	1.08	1.18
tblVehicleEF	HHD	77.65	91.37
tblVehicleEF	HHD	484.34	484.95
tblVehicleEF	HHD	1,551.39	1,562.90
tblVehicleEF	HHD	49.32	49.33
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	3.12	3.80
tblVehicleEF	HHD	2.16	4.02
tblVehicleEF	HHD	4.09	4.66
tblVehicleEF	HHD	0.01	0.01

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	8.3800e-004	1.3290e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7720e-003	8.7660e-003
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	7.7700e-004	1.2320e-003
tblVehicleEF	HHD	5.6900e-004	6.0300e-004
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	0.66	0.61
tblVehicleEF	HHD	4.2800e-004	4.4100e-004
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	0.45	0.59
tblVehicleEF	HHD	1.87	2.78
tblVehicleEF	HHD	5.1340e-003	5.1410e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.8240e-003	2.0690e-003
tblVehicleEF	HHD	5.6900e-004	6.0300e-004
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	0.75	0.69
tblVehicleEF	HHD	4.2800e-004	4.4100e-004
tblVehicleEF	HHD	0.25	0.27
tblVehicleEF	HHD	0.45	0.59
tblVehicleEF	HHD	2.00	2.97
tblVehicleEF	LDA	8.3230e-003	9.4700e-003
tblVehicleEF	LDA	4.6860e-003	6.4620e-003

tblVehicleEF	LDA	0.62	0.75
tblVehicleEF	LDA	1.29	1.69
tblVehicleEF	LDA	219.18	235.84
tblVehicleEF	LDA	48.27	52.23
tblVehicleEF	LDA	0.54	0.54
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	1.8980e-003	1.8390e-003
tblVehicleEF	LDA	4.2000e-003	3.5030e-003
tblVehicleEF	LDA	1.7600e-003	1.7040e-003
tblVehicleEF	LDA	3.8970e-003	3.2490e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.20	0.23
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	3.4120e-003	3.4130e-003
tblVehicleEF	LDA	7.5900e-004	7.6500e-004
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.23
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	8.3230e-003	9.4700e-003
tblVehicleEF	LDA	4.6860e-003	6.4620e-003
tblVehicleEF	LDA	0.73	0.88

tblVehicleEF	LDA	0.85	1.11
tblVehicleEF	LDA	237.03	254.99
tblVehicleEF	LDA	48.27	52.23
tblVehicleEF	LDA	0.54	0.54
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	1.8980e-003	1.8390e-003
tblVehicleEF	LDA	4.2000e-003	3.5030e-003
tblVehicleEF	LDA	1.7600e-003	1.7040e-003
tblVehicleEF	LDA	3.8970e-003	3.2490e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.18	0.22
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	3.6920e-003	3.6940e-003
tblVehicleEF	LDA	7.5200e-004	7.5500e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.18	0.22
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	8.3230e-003	9.4700e-003
tblVehicleEF	LDA	4.6860e-003	6.4620e-003
tblVehicleEF	LDA	0.61	0.74
tblVehicleEF	LDA	1.59	2.08

tblVehicleEF	LDA	217.40	233.93
tblVehicleEF	LDA	48.27	52.23
tblVehicleEF	LDA	0.54	0.54
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	1.8980e-003	1.8390e-003
tblVehicleEF	LDA	4.2000e-003	3.5030e-003
tblVehicleEF	LDA	1.7600e-003	1.7040e-003
tblVehicleEF	LDA	3.8970e-003	3.2490e-003
tblVehicleEF	LDA	9.3570e-003	0.01
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.23	0.27
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDA	3.3840e-003	3.3850e-003
tblVehicleEF	LDA	7.6500e-004	7.7200e-004
tblVehicleEF	LDA	9.3570e-003	0.01
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.27
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.41	1.91
tblVehicleEF	LDT1	3.19	4.43
tblVehicleEF	LDT1	271.84	288.91

tblVehicleEF	LDT1	59.80	63.56
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.16	0.22
tblVehicleEF	LDT1	0.17	0.23
tblVehicleEF	LDT1	2.8090e-003	3.3250e-003
tblVehicleEF	LDT1	4.6960e-003	4.7660e-003
tblVehicleEF	LDT1	2.6050e-003	3.0830e-003
tblVehicleEF	LDT1	4.3570e-003	4.4200e-003
tblVehicleEF	LDT1	0.08	0.10
tblVehicleEF	LDT1	0.21	0.25
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.74	0.87
tblVehicleEF	LDT1	0.22	0.32
tblVehicleEF	LDT1	3.9580e-003	3.9590e-003
tblVehicleEF	LDT1	9.0700e-004	9.2400e-004
tblVehicleEF	LDT1	0.08	0.10
tblVehicleEF	LDT1	0.21	0.25
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.74	0.87
tblVehicleEF	LDT1	0.24	0.34
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.63	2.20
tblVehicleEF	LDT1	2.12	2.94
tblVehicleEF	LDT1	292.76	310.88
tblVehicleEF	LDT1	59.80	63.56

tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.14	0.19
tblVehicleEF	LDT1	0.15	0.21
tblVehicleEF	LDT1	2.8090e-003	3.3250e-003
tblVehicleEF	LDT1	4.6960e-003	4.7660e-003
tblVehicleEF	LDT1	2.6050e-003	3.0830e-003
tblVehicleEF	LDT1	4.3570e-003	4.4200e-003
tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.24	0.29
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.67	0.80
tblVehicleEF	LDT1	0.17	0.24
tblVehicleEF	LDT1	4.2680e-003	4.2660e-003
tblVehicleEF	LDT1	8.8800e-004	8.9800e-004
tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.24	0.29
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.05	0.07
tblVehicleEF	LDT1	0.67	0.80
tblVehicleEF	LDT1	0.18	0.25
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.40	1.91
tblVehicleEF	LDT1	3.91	5.44
tblVehicleEF	LDT1	269.75	286.71
tblVehicleEF	LDT1	59.80	63.56
tblVehicleEF	LDT1	0.06	0.06



tblVehicleEF	LDT1	0.17	0.24
tblVehicleEF	LDT1	0.18	0.25
tblVehicleEF	LDT1	2.8090e-003	3.3250e-003
tblVehicleEF	LDT1	4.6960e-003	4.7660e-003
tblVehicleEF	LDT1	2.6050e-003	3.0830e-003
tblVehicleEF	LDT1	4.3570e-003	4.4200e-003
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.23	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.91	1.08
tblVehicleEF	LDT1	0.26	0.37
tblVehicleEF	LDT1	3.9270e-003	3.9280e-003
tblVehicleEF	LDT1	9.2000e-004	9.4100e-004
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.23	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.91	1.08
tblVehicleEF	LDT1	0.28	0.40
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	6.6260e-003	9.4410e-003
tblVehicleEF	LDT2	0.81	1.03
tblVehicleEF	LDT2	1.82	2.51
tblVehicleEF	LDT2	334.46	352.05
tblVehicleEF	LDT2	73.52	77.51
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.10	0.13

tblVehicleEF	LDT2	0.13	0.20
tblVehicleEF	LDT2	1.8300e-003	1.7470e-003
tblVehicleEF	LDT2	4.0760e-003	3.3870e-003
tblVehicleEF	LDT2	1.6980e-003	1.6200e-003
tblVehicleEF	LDT2	3.7820e-003	3.1420e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.39	0.44
tblVehicleEF	LDT2	0.12	0.17
tblVehicleEF	LDT2	4.6410e-003	4.6450e-003
tblVehicleEF	LDT2	1.0380e-003	1.0470e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.39	0.44
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	6.6260e-003	9.4410e-003
tblVehicleEF	LDT2	0.95	1.20
tblVehicleEF	LDT2	1.20	1.66
tblVehicleEF	LDT2	360.96	379.89
tblVehicleEF	LDT2	73.52	77.51
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.12	0.18

tblVehicleEF	LDT2	1.8300e-003	1.7470e-003
tblVehicleEF	LDT2	4.0760e-003	3.3870e-003
tblVehicleEF	LDT2	1.6980e-003	1.6200e-003
tblVehicleEF	LDT2	3.7820e-003	3.1420e-003
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.36	0.40
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	5.0120e-003	5.0160e-003
tblVehicleEF	LDT2	1.0270e-003	1.0330e-003
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.36	0.40
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	6.6260e-003	9.4410e-003
tblVehicleEF	LDT2	0.80	1.02
tblVehicleEF	LDT2	2.23	3.08
tblVehicleEF	LDT2	331.81	349.26
tblVehicleEF	LDT2	73.52	77.51
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.11	0.14
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	1.8300e-003	1.7470e-003

tblVehicleEF	LDT2	4.0760e-003	3.3870e-003
tblVehicleEF	LDT2	1.6980e-003	1.6200e-003
tblVehicleEF	LDT2	3.7820e-003	3.1420e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.47	0.53
tblVehicleEF	LDT2	0.14	0.20
tblVehicleEF	LDT2	4.6040e-003	4.6080e-003
tblVehicleEF	LDT2	1.0450e-003	1.0570e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.47	0.53
tblVehicleEF	LDT2	0.15	0.21
tblVehicleEF	LHD1	1.1880e-003	1.2340e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.18
tblVehicleEF	LHD1	1.07	1.58
tblVehicleEF	LHD1	3.85	4.68
tblVehicleEF	LHD1	760.22	760.62
tblVehicleEF	LHD1	40.00	39.57
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.81	1.09

tblVehicleEF	LHD1	1.19	1.31
tblVehicleEF	LHD1	5.5800e-004	5.7600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	9.3700e-004
tblVehicleEF	LHD1	5.1400e-004	5.3000e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	8.6700e-004
tblVehicleEF	LHD1	1.8220e-003	2.0040e-003
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.1450e-003	1.1820e-003
tblVehicleEF	LHD1	0.10	0.15
tblVehicleEF	LHD1	0.43	0.45
tblVehicleEF	LHD1	0.31	0.40
tblVehicleEF	LHD1	8.3820e-003	8.3950e-003
tblVehicleEF	LHD1	5.1400e-004	5.2500e-004
tblVehicleEF	LHD1	1.8220e-003	2.0040e-003
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.1450e-003	1.1820e-003
tblVehicleEF	LHD1	0.12	0.17
tblVehicleEF	LHD1	0.43	0.45
tblVehicleEF	LHD1	0.33	0.43
tblVehicleEF	LHD1	1.1880e-003	1.2340e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.18

tblVehicleEF	LHD1	1.10	1.63
tblVehicleEF	LHD1	2.63	3.17
tblVehicleEF	LHD1	760.22	760.62
tblVehicleEF	LHD1	40.00	39.57
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.76	1.03
tblVehicleEF	LHD1	1.11	1.22
tblVehicleEF	LHD1	5.5800e-004	5.7600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	9.3700e-004
tblVehicleEF	LHD1	5.1400e-004	5.3000e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	8.6700e-004
tblVehicleEF	LHD1	4.4840e-003	5.0680e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4580e-003	2.6460e-003
tblVehicleEF	LHD1	0.10	0.15
tblVehicleEF	LHD1	0.41	0.44
tblVehicleEF	LHD1	0.25	0.32
tblVehicleEF	LHD1	8.3820e-003	8.3960e-003
tblVehicleEF	LHD1	4.9300e-004	4.9900e-004
tblVehicleEF	LHD1	4.4840e-003	5.0680e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4580e-003	2.6460e-003

tblVehicleEF	LHD1	0.12	0.18
tblVehicleEF	LHD1	0.41	0.44
tblVehicleEF	LHD1	0.27	0.34
tblVehicleEF	LHD1	1.1880e-003	1.2340e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.18
tblVehicleEF	LHD1	1.05	1.55
tblVehicleEF	LHD1	4.94	6.02
tblVehicleEF	LHD1	760.22	760.62
tblVehicleEF	LHD1	40.00	39.57
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.83	1.12
tblVehicleEF	LHD1	1.25	1.39
tblVehicleEF	LHD1	5.5800e-004	5.7600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	9.3700e-004
tblVehicleEF	LHD1	5.1400e-004	5.3000e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	8.6700e-004
tblVehicleEF	LHD1	7.7500e-004	7.8900e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	5.6100e-004	5.5300e-004
tblVehicleEF	LHD1	0.10	0.14
tblVehicleEF	LHD1	0.48	0.50

tblVehicleEF	LHD1	0.36	0.47
tblVehicleEF	LHD1	8.3820e-003	8.3940e-003
tblVehicleEF	LHD1	5.3300e-004	5.4800e-004
tblVehicleEF	LHD1	7.7500e-004	7.8900e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	5.6100e-004	5.5300e-004
tblVehicleEF	LHD1	0.12	0.17
tblVehicleEF	LHD1	0.48	0.50
tblVehicleEF	LHD1	0.39	0.50
tblVehicleEF	LHD2	9.3200e-004	9.6400e-004
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7060e-003	0.01
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.79	1.09
tblVehicleEF	LHD2	2.22	2.76
tblVehicleEF	LHD2	657.39	658.41
tblVehicleEF	LHD2	26.95	26.60
tblVehicleEF	LHD2	4.5480e-003	4.5640e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.16	1.59
tblVehicleEF	LHD2	0.73	0.82
tblVehicleEF	LHD2	1.1160e-003	1.1420e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1900e-004	5.0100e-004
tblVehicleEF	LHD2	1.0270e-003	1.0510e-003



tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.5360e-003	2.5350e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.9600e-004	4.6400e-004
tblVehicleEF	LHD2	9.8400e-004	1.1630e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.3700e-004	6.8900e-004
tblVehicleEF	LHD2	0.09	0.13
tblVehicleEF	LHD2	0.24	0.30
tblVehicleEF	LHD2	0.17	0.23
tblVehicleEF	LHD2	7.1750e-003	7.1900e-003
tblVehicleEF	LHD2	3.3900e-004	3.4600e-004
tblVehicleEF	LHD2	9.8400e-004	1.1630e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.3700e-004	6.8900e-004
tblVehicleEF	LHD2	0.11	0.15
tblVehicleEF	LHD2	0.24	0.30
tblVehicleEF	LHD2	0.18	0.25
tblVehicleEF	LHD2	9.3200e-004	9.6400e-004
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7060e-003	0.01
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.80	1.11
tblVehicleEF	LHD2	1.52	1.89
tblVehicleEF	LHD2	657.39	658.41
tblVehicleEF	LHD2	26.95	26.60

tblVehicleEF	LHD2	4.5480e-003	4.5640e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.11	1.53
tblVehicleEF	LHD2	0.67	0.76
tblVehicleEF	LHD2	1.1160e-003	1.1420e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1900e-004	5.0100e-004
tblVehicleEF	LHD2	1.0270e-003	1.0510e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.5360e-003	2.5350e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.9600e-004	4.6400e-004
tblVehicleEF	LHD2	2.4020e-003	2.9310e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3550e-003	1.5390e-003
tblVehicleEF	LHD2	0.09	0.13
tblVehicleEF	LHD2	0.24	0.29
tblVehicleEF	LHD2	0.14	0.19
tblVehicleEF	LHD2	7.1750e-003	7.1910e-003
tblVehicleEF	LHD2	3.2700e-004	3.3100e-004
tblVehicleEF	LHD2	2.4020e-003	2.9310e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3550e-003	1.5390e-003
tblVehicleEF	LHD2	0.11	0.15

tblVehicleEF	LHD2	0.24	0.29
tblVehicleEF	LHD2	0.15	0.20
tblVehicleEF	LHD2	9.3200e-004	9.6400e-004
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7060e-003	0.01
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.79	1.08
tblVehicleEF	LHD2	2.84	3.54
tblVehicleEF	LHD2	657.39	658.41
tblVehicleEF	LHD2	26.95	26.60
tblVehicleEF	LHD2	4.5480e-003	4.5640e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.18	1.63
tblVehicleEF	LHD2	0.77	0.86
tblVehicleEF	LHD2	1.1160e-003	1.1420e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1900e-004	5.0100e-004
tblVehicleEF	LHD2	1.0270e-003	1.0510e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.5360e-003	2.5350e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.9600e-004	4.6400e-004
tblVehicleEF	LHD2	4.3500e-004	4.6700e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1800e-004	3.2900e-004

tblVehicleEF	LHD2	0.09	0.13
tblVehicleEF	LHD2	0.27	0.34
tblVehicleEF	LHD2	0.20	0.27
tblVehicleEF	LHD2	7.1750e-003	7.1900e-003
tblVehicleEF	LHD2	3.5000e-004	3.5900e-004
tblVehicleEF	LHD2	4.3500e-004	4.6700e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1800e-004	3.2900e-004
tblVehicleEF	LHD2	0.11	0.15
tblVehicleEF	LHD2	0.27	0.34
tblVehicleEF	LHD2	0.21	0.29
tblVehicleEF	MCY	24.39	25.63
tblVehicleEF	MCY	11.21	11.07
tblVehicleEF	MCY	150.64	148.31
tblVehicleEF	MCY	37.25	38.43
tblVehicleEF	MCY	5.6760e-003	5.6840e-003
tblVehicleEF	MCY	1.23	1.24
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	2.8600e-004	3.7200e-004
tblVehicleEF	MCY	7.7900e-004	1.0700e-003
tblVehicleEF	MCY	2.4500e-004	3.1100e-004
tblVehicleEF	MCY	6.6600e-004	8.8300e-004
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	0.35	0.37
tblVehicleEF	MCY	0.33	0.33
tblVehicleEF	MCY	2.67	2.71
tblVehicleEF	MCY	1.22	1.34

tblVehicleEF	MCY	2.23	2.27
tblVehicleEF	MCY	2.1400e-003	2.1350e-003
tblVehicleEF	MCY	6.6000e-004	6.7200e-004
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	0.35	0.37
tblVehicleEF	MCY	0.33	0.33
tblVehicleEF	MCY	2.92	2.97
tblVehicleEF	MCY	1.22	1.34
tblVehicleEF	MCY	2.39	2.43
tblVehicleEF	MCY	22.97	24.10
tblVehicleEF	MCY	8.82	8.79
tblVehicleEF	MCY	150.64	148.31
tblVehicleEF	MCY	37.25	38.43
tblVehicleEF	MCY	5.6760e-003	5.6840e-003
tblVehicleEF	MCY	1.07	1.08
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.8600e-004	3.7200e-004
tblVehicleEF	MCY	7.7900e-004	1.0700e-003
tblVehicleEF	MCY	2.4500e-004	3.1100e-004
tblVehicleEF	MCY	6.6600e-004	8.8300e-004
tblVehicleEF	MCY	1.80	1.81
tblVehicleEF	MCY	0.52	0.54
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	2.57	2.60
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	1.79	1.81
tblVehicleEF	MCY	2.1150e-003	2.1080e-003
tblVehicleEF	MCY	6.0900e-004	6.2200e-004

tblVehicleEF	MCY	1.80	1.81
tblVehicleEF	MCY	0.52	0.54
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	2.81	2.85
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	1.92	1.94
tblVehicleEF	MCY	26.55	27.96
tblVehicleEF	MCY	13.38	13.16
tblVehicleEF	MCY	150.64	148.31
tblVehicleEF	MCY	37.25	38.43
tblVehicleEF	MCY	5.6760e-003	5.6840e-003
tblVehicleEF	MCY	1.31	1.33
tblVehicleEF	MCY	0.34	0.34
tblVehicleEF	MCY	2.8600e-004	3.7200e-004
tblVehicleEF	MCY	7.7900e-004	1.0700e-003
tblVehicleEF	MCY	2.4500e-004	3.1100e-004
tblVehicleEF	MCY	6.6600e-004	8.8300e-004
tblVehicleEF	MCY	0.14	0.14
tblVehicleEF	MCY	0.41	0.43
tblVehicleEF	MCY	0.10	0.10
tblVehicleEF	MCY	2.77	2.83
tblVehicleEF	MCY	1.53	1.66
tblVehicleEF	MCY	2.61	2.66
tblVehicleEF	MCY	2.1770e-003	2.1750e-003
tblVehicleEF	MCY	7.0600e-004	7.1800e-004
tblVehicleEF	MCY	0.14	0.14
tblVehicleEF	MCY	0.41	0.43
tblVehicleEF	MCY	0.10	0.10

tblVehicleEF	MCY	3.03	3.09
tblVehicleEF	MCY	1.53	1.66
tblVehicleEF	MCY	2.80	2.86
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.38	1.86
tblVehicleEF	MDV	3.86	5.08
tblVehicleEF	MDV	447.62	469.15
tblVehicleEF	MDV	98.69	103.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.20	0.27
tblVehicleEF	MDV	0.32	0.43
tblVehicleEF	MDV	2.0280e-003	2.1340e-003
tblVehicleEF	MDV	4.0140e-003	3.7390e-003
tblVehicleEF	MDV	1.8810e-003	1.9730e-003
tblVehicleEF	MDV	3.7240e-003	3.4600e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.05
tblVehicleEF	MDV	0.64	0.68
tblVehicleEF	MDV	0.30	0.41
tblVehicleEF	MDV	5.9290e-003	5.9270e-003
tblVehicleEF	MDV	1.3450e-003	1.3610e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.05	0.07

tblVehicleEF	MDV	0.64	0.68
tblVehicleEF	MDV	0.32	0.44
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.62	2.15
tblVehicleEF	MDV	2.55	3.38
tblVehicleEF	MDV	482.76	505.78
tblVehicleEF	MDV	98.69	103.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.17	0.23
tblVehicleEF	MDV	0.28	0.38
tblVehicleEF	MDV	2.0280e-003	2.1340e-003
tblVehicleEF	MDV	4.0140e-003	3.7390e-003
tblVehicleEF	MDV	1.8810e-003	1.9730e-003
tblVehicleEF	MDV	3.7240e-003	3.4600e-003
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.22	0.23
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.60	0.63
tblVehicleEF	MDV	0.23	0.31
tblVehicleEF	MDV	6.3980e-003	6.3950e-003
tblVehicleEF	MDV	1.3220e-003	1.3310e-003
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.22	0.23
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.60	0.63



tblVehicleEF	MDV	0.24	0.33
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.36	1.87
tblVehicleEF	MDV	4.74	6.23
tblVehicleEF	MDV	444.10	465.49
tblVehicleEF	MDV	98.69	103.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.21	0.29
tblVehicleEF	MDV	0.35	0.47
tblVehicleEF	MDV	2.0280e-003	2.1340e-003
tblVehicleEF	MDV	4.0140e-003	3.7390e-003
tblVehicleEF	MDV	1.8810e-003	1.9730e-003
tblVehicleEF	MDV	3.7240e-003	3.4600e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.03	0.05
tblVehicleEF	MDV	0.78	0.82
tblVehicleEF	MDV	0.35	0.48
tblVehicleEF	MDV	5.8820e-003	5.8810e-003
tblVehicleEF	MDV	1.3600e-003	1.3810e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.78	0.82
tblVehicleEF	MDV	0.38	0.52

tblVehicleEF	MH	1.01	2.33
tblVehicleEF	MH	6.18	8.22
tblVehicleEF	MH	665.11	664.76
tblVehicleEF	MH	28.78	28.97
tblVehicleEF	MH	1.4000e-003	1.4180e-003
tblVehicleEF	MH	1.03	1.34
tblVehicleEF	MH	0.67	0.81
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	8.2600e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	7.5600e-004
tblVehicleEF	MH	0.56	0.77
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.06	0.10
tblVehicleEF	MH	1.29	1.92
tblVehicleEF	MH	0.32	0.44
tblVehicleEF	MH	7.3310e-003	7.3500e-003
tblVehicleEF	MH	4.2600e-004	4.6400e-004
tblVehicleEF	MH	0.56	0.77
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.08	0.13
tblVehicleEF	MH	1.29	1.92
tblVehicleEF	MH	0.34	0.47
tblVehicleEF	MH	1.05	2.42

tblVehicleEF	MH	4.17	5.43
tblVehicleEF	MH	665.11	664.76
tblVehicleEF	MH	28.78	28.97
tblVehicleEF	MH	1.4000e-003	1.4180e-003
tblVehicleEF	MH	0.96	1.24
tblVehicleEF	MH	0.62	0.75
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	8.2600e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	7.5600e-004
tblVehicleEF	MH	1.37	1.92
tblVehicleEF	MH	0.06	0.08
tblVehicleEF	MH	0.51	0.66
tblVehicleEF	MH	0.06	0.11
tblVehicleEF	MH	1.25	1.86
tblVehicleEF	MH	0.25	0.34
tblVehicleEF	MH	7.3320e-003	7.3510e-003
tblVehicleEF	MH	3.9300e-004	4.1700e-004
tblVehicleEF	MH	1.37	1.92
tblVehicleEF	MH	0.06	0.08
tblVehicleEF	MH	0.51	0.66
tblVehicleEF	MH	0.08	0.13
tblVehicleEF	MH	1.25	1.86
tblVehicleEF	MH	0.27	0.36
tblVehicleEF	MH	0.98	2.28
tblVehicleEF	MH	7.96	10.73

tblVehicleEF	MH	665.11	664.76
tblVehicleEF	MH	28.78	28.97
tblVehicleEF	MH	1.4000e-003	1.4180e-003
tblVehicleEF	MH	1.07	1.39
tblVehicleEF	MH	0.71	0.85
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	8.2600e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	7.5600e-004
tblVehicleEF	MH	0.23	0.28
tblVehicleEF	MH	0.06	0.09
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.06	0.10
tblVehicleEF	MH	1.40	2.07
tblVehicleEF	MH	0.37	0.52
tblVehicleEF	MH	7.3310e-003	7.3490e-003
tblVehicleEF	MH	4.5600e-004	5.0600e-004
tblVehicleEF	MH	0.23	0.28
tblVehicleEF	MH	0.06	0.09
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.08	0.13
tblVehicleEF	MH	1.40	2.07
tblVehicleEF	MH	0.40	0.56
tblVehicleEF	MHD	8.2190e-003	7.6250e-003
tblVehicleEF	MHD	4.7320e-003	5.4130e-003
tblVehicleEF	MHD	2.09	1.91

tblVehicleEF	MHD	0.49	0.68
tblVehicleEF	MHD	13.77	18.36
tblVehicleEF	MHD	572.65	572.01
tblVehicleEF	MHD	1,004.94	1,006.95
tblVehicleEF	MHD	49.32	49.71
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.33	4.63
tblVehicleEF	MHD	0.99	1.86
tblVehicleEF	MHD	1.43	1.81
tblVehicleEF	MHD	7.6380e-003	0.01
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	1.0610e-003	1.6720e-003
tblVehicleEF	MHD	7.0270e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8910e-003	2.8860e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	9.8500e-004	1.5290e-003
tblVehicleEF	MHD	1.5750e-003	1.8870e-003
tblVehicleEF	MHD	0.08	0.09
tblVehicleEF	MHD	0.18	0.16
tblVehicleEF	MHD	9.7900e-004	1.0890e-003
tblVehicleEF	MHD	0.11	0.13
tblVehicleEF	MHD	0.44	0.50
tblVehicleEF	MHD	0.76	1.03
tblVehicleEF	MHD	6.0700e-003	6.0640e-003
tblVehicleEF	MHD	0.01	0.01

tblVehicleEF	MHD	7.8700e-004	8.7200e-004
tblVehicleEF	MHD	1.5750e-003	1.8870e-003
tblVehicleEF	MHD	0.08	0.09
tblVehicleEF	MHD	0.20	0.19
tblVehicleEF	MHD	9.7900e-004	1.0890e-003
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	0.44	0.50
tblVehicleEF	MHD	0.81	1.10
tblVehicleEF	MHD	7.7450e-003	7.1860e-003
tblVehicleEF	MHD	4.7320e-003	5.4130e-003
tblVehicleEF	MHD	1.52	1.39
tblVehicleEF	MHD	0.50	0.69
tblVehicleEF	MHD	9.39	12.44
tblVehicleEF	MHD	606.67	605.99
tblVehicleEF	MHD	1,004.94	1,006.95
tblVehicleEF	MHD	49.32	49.71
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.43	4.78
tblVehicleEF	MHD	0.95	1.78
tblVehicleEF	MHD	1.33	1.68
tblVehicleEF	MHD	6.4380e-003	0.01
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	1.0610e-003	1.6720e-003
tblVehicleEF	MHD	5.9230e-003	9.2440e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8910e-003	2.8860e-003

tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	9.8500e-004	1.5290e-003
tblVehicleEF	MHD	3.9820e-003	4.9690e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.15
tblVehicleEF	MHD	2.1900e-003	2.6080e-003
tblVehicleEF	MHD	0.11	0.13
tblVehicleEF	MHD	0.42	0.48
tblVehicleEF	MHD	0.61	0.81
tblVehicleEF	MHD	6.4310e-003	6.4240e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.1400e-004	7.7200e-004
tblVehicleEF	MHD	3.9820e-003	4.9690e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.19	0.18
tblVehicleEF	MHD	2.1900e-003	2.6080e-003
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	0.42	0.48
tblVehicleEF	MHD	0.65	0.87
tblVehicleEF	MHD	8.8720e-003	8.2320e-003
tblVehicleEF	MHD	4.7320e-003	5.4130e-003
tblVehicleEF	MHD	2.88	2.63
tblVehicleEF	MHD	0.49	0.67
tblVehicleEF	MHD	17.59	23.57
tblVehicleEF	MHD	525.67	525.08
tblVehicleEF	MHD	1,004.94	1,006.95
tblVehicleEF	MHD	49.32	49.71
tblVehicleEF	MHD	0.02	0.02

tblVehicleEF	MHD	3.18	4.43
tblVehicleEF	MHD	1.01	1.90
tblVehicleEF	MHD	1.51	1.91
tblVehicleEF	MHD	9.2930e-003	0.01
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	1.0610e-003	1.6720e-003
tblVehicleEF	MHD	8.5500e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8910e-003	2.8860e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	9.8500e-004	1.5290e-003
tblVehicleEF	MHD	6.4200e-004	6.8900e-004
tblVehicleEF	MHD	0.08	0.10
tblVehicleEF	MHD	0.19	0.18
tblVehicleEF	MHD	4.5900e-004	4.7200e-004
tblVehicleEF	MHD	0.11	0.13
tblVehicleEF	MHD	0.49	0.56
tblVehicleEF	MHD	0.88	1.21
tblVehicleEF	MHD	5.5720e-003	5.5660e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	8.5100e-004	9.5900e-004
tblVehicleEF	MHD	6.4200e-004	6.8900e-004
tblVehicleEF	MHD	0.08	0.10
tblVehicleEF	MHD	0.22	0.20
tblVehicleEF	MHD	4.5900e-004	4.7200e-004
tblVehicleEF	MHD	0.12	0.15



tblVehicleEF	MHD	0.49	0.56
tblVehicleEF	MHD	0.94	1.29
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	2.9530e-003	2.9570e-003
tblVehicleEF	OBUS	3.30	2.74
tblVehicleEF	OBUS	0.83	1.17
tblVehicleEF	OBUS	9.00	11.14
tblVehicleEF	OBUS	533.48	534.88
tblVehicleEF	OBUS	1,045.10	1,039.91
tblVehicleEF	OBUS	32.73	32.82
tblVehicleEF	OBUS	1.8110e-003	1.7890e-003
tblVehicleEF	OBUS	3.20	4.65
tblVehicleEF	OBUS	1.12	2.32
tblVehicleEF	OBUS	1.18	1.44
tblVehicleEF	OBUS	8.7920e-003	9.5470e-003
tblVehicleEF	OBUS	0.10	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	4.5100e-004	6.0300e-004
tblVehicleEF	OBUS	8.0890e-003	8.7830e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.6290e-003	2.6130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	4.1900e-004	5.5500e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.56	0.47
tblVehicleEF	OBUS	3.4900e-004	3.3500e-004
tblVehicleEF	OBUS	0.12	0.14

tblVehicleEF	OBUS	0.31	0.31
tblVehicleEF	OBUS	0.52	0.64
tblVehicleEF	OBUS	5.6550e-003	5.6700e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.2100e-004	5.5900e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.64	0.53
tblVehicleEF	OBUS	3.4900e-004	3.3500e-004
tblVehicleEF	OBUS	0.15	0.17
tblVehicleEF	OBUS	0.31	0.31
tblVehicleEF	OBUS	0.55	0.69
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	2.9530e-003	2.9570e-003
tblVehicleEF	OBUS	2.40	1.99
tblVehicleEF	OBUS	0.84	1.20
tblVehicleEF	OBUS	6.14	7.60
tblVehicleEF	OBUS	565.17	566.66
tblVehicleEF	OBUS	1,045.10	1,039.91
tblVehicleEF	OBUS	32.73	32.82
tblVehicleEF	OBUS	1.8110e-003	1.7890e-003
tblVehicleEF	OBUS	3.30	4.79
tblVehicleEF	OBUS	1.06	2.21
tblVehicleEF	OBUS	1.09	1.34
tblVehicleEF	OBUS	7.4120e-003	8.0480e-003
tblVehicleEF	OBUS	0.10	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	4.5100e-004	6.0300e-004

tblVehicleEF	OBUS	6.8190e-003	7.4040e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.6290e-003	2.6130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	4.1900e-004	5.5500e-004
tblVehicleEF	OBUS	1.6210e-003	1.6590e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.53	0.44
tblVehicleEF	OBUS	7.4200e-004	7.4100e-004
tblVehicleEF	OBUS	0.13	0.15
tblVehicleEF	OBUS	0.30	0.30
tblVehicleEF	OBUS	0.42	0.52
tblVehicleEF	OBUS	5.9910e-003	6.0070e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.7300e-004	5.0000e-004
tblVehicleEF	OBUS	1.6210e-003	1.6590e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.60	0.50
tblVehicleEF	OBUS	7.4200e-004	7.4100e-004
tblVehicleEF	OBUS	0.15	0.17
tblVehicleEF	OBUS	0.30	0.30
tblVehicleEF	OBUS	0.44	0.55
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	2.9530e-003	2.9570e-003
tblVehicleEF	OBUS	4.55	3.78
tblVehicleEF	OBUS	0.82	1.15
tblVehicleEF	OBUS	11.51	14.25
tblVehicleEF	OBUS	489.71	491.00

tblVehicleEF	OBUS	1,045.10	1,039.91
tblVehicleEF	OBUS	32.73	32.82
tblVehicleEF	OBUS	1.8110e-003	1.7890e-003
tblVehicleEF	OBUS	3.06	4.44
tblVehicleEF	OBUS	1.14	2.37
tblVehicleEF	OBUS	1.24	1.52
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.10	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	4.5100e-004	6.0300e-004
tblVehicleEF	OBUS	9.8420e-003	0.01
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.6290e-003	2.6130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	4.1900e-004	5.5500e-004
tblVehicleEF	OBUS	3.2900e-004	3.1100e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.60	0.50
tblVehicleEF	OBUS	1.8300e-004	1.7100e-004
tblVehicleEF	OBUS	0.12	0.14
tblVehicleEF	OBUS	0.34	0.34
tblVehicleEF	OBUS	0.60	0.75
tblVehicleEF	OBUS	5.1910e-003	5.2050e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.6300e-004	6.1100e-004
tblVehicleEF	OBUS	3.2900e-004	3.1100e-004
tblVehicleEF	OBUS	0.03	0.03

tblVehicleEF	OBUS	0.69	0.57
tblVehicleEF	OBUS	1.8300e-004	1.7100e-004
tblVehicleEF	OBUS	0.14	0.17
tblVehicleEF	OBUS	0.34	0.34
tblVehicleEF	OBUS	0.64	0.80
tblVehicleEF	SBUS	4.8570e-003	4.4530e-003
tblVehicleEF	SBUS	5.1600e-003	4.6520e-003
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tblVehicleEF	SBUS	556.14	547.00
tblVehicleEF	SBUS	966.46	975.49
tblVehicleEF	SBUS	115.30	116.58
tblVehicleEF	SBUS	1.8900e-004	1.9900e-004
tblVehicleEF	SBUS	7.12	7.58
tblVehicleEF	SBUS	5.53	6.35
tblVehicleEF	SBUS	2.38	2.88
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.47	0.48
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0800e-003	5.6600e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.20	0.20
tblVehicleEF	SBUS	2.6090e-003	2.6220e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	2.8580e-003	5.1250e-003
tblVehicleEF	SBUS	0.02	0.03

tblVehicleEF	SBUS	0.19	0.25
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	8.0390e-003	0.01
tblVehicleEF	SBUS	0.26	0.47
tblVehicleEF	SBUS	2.54	2.91
tblVehicleEF	SBUS	1.49	2.21
tblVehicleEF	SBUS	5.8950e-003	5.7980e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7250e-003	1.9480e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.19	0.25
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	8.0390e-003	0.01
tblVehicleEF	SBUS	0.30	0.53
tblVehicleEF	SBUS	2.54	2.91
tblVehicleEF	SBUS	1.59	2.36
tblVehicleEF	SBUS	4.5770e-003	4.1970e-003
tblVehicleEF	SBUS	5.1600e-003	4.6520e-003
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tblVehicleEF	SBUS	2.74	5.51
tblVehicleEF	SBUS	19.93	28.48
tblVehicleEF	SBUS	589.19	579.49
tblVehicleEF	SBUS	966.46	975.49
tblVehicleEF	SBUS	115.30	116.58
tblVehicleEF	SBUS	1.8900e-004	1.9900e-004
tblVehicleEF	SBUS	7.35	7.82
tblVehicleEF	SBUS	5.27	6.03
tblVehicleEF	SBUS	2.18	2.64

tblVehicleEF	SBUS	9.6400e-003	0.01
tblVehicleEF	SBUS	0.47	0.48
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0800e-003	5.6600e-003
tblVehicleEF	SBUS	8.8690e-003	0.01
tblVehicleEF	SBUS	0.20	0.20
tblVehicleEF	SBUS	2.6090e-003	2.6220e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	2.8580e-003	5.1250e-003
tblVehicleEF	SBUS	0.05	0.08
tblVehicleEF	SBUS	0.19	0.26
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.27	0.49
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tblVehicleEF	SBUS	1.29	1.83
tblVehicleEF	SBUS	6.2460e-003	6.1430e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6320e-003	1.7980e-003
tblVehicleEF	SBUS	0.05	0.08
tblVehicleEF	SBUS	0.19	0.26
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.31	0.55
tblVehicleEF	SBUS	2.24	2.58
tblVehicleEF	SBUS	1.38	1.96
tblVehicleEF	SBUS	5.2430e-003	4.8080e-003

tblVehicleEF	SBUS	5.1600e-003	4.6520e-003
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tblVehicleEF	SBUS	2.58	5.31
tblVehicleEF	SBUS	30.21	45.42
tblVehicleEF	SBUS	510.52	502.12
tblVehicleEF	SBUS	966.46	975.49
tblVehicleEF	SBUS	115.30	116.58
tblVehicleEF	SBUS	1.8900e-004	1.9900e-004
tblVehicleEF	SBUS	6.81	7.24
tblVehicleEF	SBUS	5.65	6.50
tblVehicleEF	SBUS	2.52	3.05
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.47	0.48
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0800e-003	5.6600e-003
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.20	0.20
tblVehicleEF	SBUS	2.6090e-003	2.6220e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	2.8580e-003	5.1250e-003
tblVehicleEF	SBUS	7.5090e-003	9.9620e-003
tblVehicleEF	SBUS	0.21	0.29
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	3.8800e-003	5.0810e-003
tblVehicleEF	SBUS	0.26	0.46
tblVehicleEF	SBUS	3.14	3.57
tblVehicleEF	SBUS	1.66	2.53



tblVehicleEF	SBUS	5.4120e-003	5.3230e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.8050e-003	2.0860e-003
tblVehicleEF	SBUS	7.5090e-003	9.9620e-003
tblVehicleEF	SBUS	0.21	0.29
tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	3.8800e-003	5.0810e-003
tblVehicleEF	SBUS	0.30	0.51
tblVehicleEF	SBUS	3.14	3.57
tblVehicleEF	SBUS	1.77	2.71
tblVehicleEF	UBUS	3.48	3.54
tblVehicleEF	UBUS	4.88	4.94
tblVehicleEF	UBUS	2,139.09	2,150.04
tblVehicleEF	UBUS	9.91	9.91
tblVehicleEF	UBUS	3.5990e-003	3.6610e-003
tblVehicleEF	UBUS	13.62	14.14
tblVehicleEF	UBUS	0.63	0.63
tblVehicleEF	UBUS	0.23	0.24
tblVehicleEF	UBUS	2.1800e-004	2.2200e-004
tblVehicleEF	UBUS	0.21	0.22
tblVehicleEF	UBUS	2.0200e-004	2.0600e-004
tblVehicleEF	UBUS	1.6400e-003	1.5960e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	7.8000e-004	7.6300e-004
tblVehicleEF	UBUS	0.60	0.62
tblVehicleEF	UBUS	0.39	0.34
tblVehicleEF	UBUS	0.37	0.37
tblVehicleEF	UBUS	0.02	0.02

tblVehicleEF	UBUS	1.9800e-004	1.9900e-004
tblVehicleEF	UBUS	1.6400e-003	1.5960e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	7.8000e-004	7.6300e-004
tblVehicleEF	UBUS	0.68	0.70
tblVehicleEF	UBUS	0.39	0.34
tblVehicleEF	UBUS	0.39	0.39
tblVehicleEF	UBUS	3.53	3.59
tblVehicleEF	UBUS	3.59	3.64
tblVehicleEF	UBUS	2,139.09	2,150.04
tblVehicleEF	UBUS	9.91	9.91
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tblVehicleEF	UBUS	13.06	13.56
tblVehicleEF	UBUS	0.58	0.58
tblVehicleEF	UBUS	0.23	0.24
tblVehicleEF	UBUS	2.1800e-004	2.2200e-004
tblVehicleEF	UBUS	0.21	0.22
tblVehicleEF	UBUS	2.0200e-004	2.0600e-004
tblVehicleEF	UBUS	4.1930e-003	4.1030e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.6980e-003	1.6920e-003
tblVehicleEF	UBUS	0.61	0.63
tblVehicleEF	UBUS	0.36	0.31
tblVehicleEF	UBUS	0.31	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.7600e-004	1.7700e-004
tblVehicleEF	UBUS	4.1930e-003	4.1030e-003
tblVehicleEF	UBUS	0.04	0.04

tblVehicleEF	UBUS	1.6980e-003	1.6920e-003
tblVehicleEF	UBUS	0.69	0.71
tblVehicleEF	UBUS	0.36	0.31
tblVehicleEF	UBUS	0.33	0.32
tblVehicleEF	UBUS	3.45	3.51
tblVehicleEF	UBUS	6.00	6.08
tblVehicleEF	UBUS	2,139.09	2,150.04
tblVehicleEF	UBUS	9.91	9.91
tblVehicleEF	UBUS	3.5990e-003	3.6610e-003
tblVehicleEF	UBUS	13.85	14.37
tblVehicleEF	UBUS	0.67	0.66
tblVehicleEF	UBUS	0.23	0.24
tblVehicleEF	UBUS	2.1800e-004	2.2200e-004
tblVehicleEF	UBUS	0.21	0.22
tblVehicleEF	UBUS	2.0200e-004	2.0600e-004
tblVehicleEF	UBUS	5.9400e-004	5.7400e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	3.5600e-004	3.4400e-004
tblVehicleEF	UBUS	0.60	0.61
tblVehicleEF	UBUS	0.48	0.41
tblVehicleEF	UBUS	0.42	0.42
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.1700e-004	2.1900e-004
tblVehicleEF	UBUS	5.9400e-004	5.7400e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	3.5600e-004	3.4400e-004
tblVehicleEF	UBUS	0.67	0.69
tblVehicleEF	UBUS	0.48	0.41

tblVehicleEF	UBUS	0.45	0.44
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## 2.0 Emissions Summary

### 2.1 Overall Construction

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.7815	8.3700	6.7417	0.0108	2.1056	0.3653	2.4708	0.6121	0.3374	0.9495	0.0000	969.5546	969.5546	0.1750	0.0000	973.2296
2018	1.3486	8.2341	15.1510	0.0309	1.5830	0.3026	1.8856	0.4277	0.2832	0.7109	0.0000	2,456.6310	2,456.6310	0.1535	0.0000	2,459.8538
2019	1.2171	7.4717	14.1831	0.0309	1.5830	0.2655	1.8484	0.4277	0.2484	0.6761	0.0000	2,396.5059	2,396.5059	0.1479	0.0000	2,399.6117
2020	1.1165	6.6179	13.4596	0.0309	1.5880	0.2333	1.8213	0.4291	0.2183	0.6473	0.0000	2,334.0844	2,334.0844	0.1439	0.0000	2,337.1061
2021	11.7584	3.5267	7.5233	0.0177	0.8854	0.1340	1.0193	0.2389	0.1251	0.3641	0.0000	1,328.1867	1,328.1867	0.0993	0.0000	1,330.2709
<b>Total</b>	<b>16.2221</b>	<b>34.2205</b>	<b>57.0586</b>	<b>0.1212</b>	<b>7.7449</b>	<b>1.3006</b>	<b>9.0455</b>	<b>2.1355</b>	<b>1.2123</b>	<b>3.3478</b>	<b>0.0000</b>	<b>9,484.9625</b>	<b>9,484.9625</b>	<b>0.7195</b>	<b>0.0000</b>	<b>9,500.0720</b>



**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	10.0588	0.0425	3.6269	1.3000e-003		0.1828	0.1828		0.1828	0.1828	17.6297	14.0418	31.6714	0.0407	1.0500e-003	32.8507
Energy	0.0790	0.6870	0.3720	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	2,127.3199	2,127.3199	0.0758	0.0269	2,137.2586
Mobile	5.5494	11.7645	52.7239	0.0968	6.1535	0.1625	6.3160	1.6538	0.1498	1.8036	0.0000	6,891.3523	6,891.3523	0.2514	0.0000	6,896.6314
Waste						0.0000	0.0000		0.0000	0.0000	152.7182	0.0000	152.7182	9.0254	0.0000	342.2514
Water						0.0000	0.0000		0.0000	0.0000	10.2841	94.7976	105.0817	1.0606	0.0258	135.3602
<b>Total</b>	<b>15.6873</b>	<b>12.4939</b>	<b>56.7228</b>	<b>0.1024</b>	<b>6.1535</b>	<b>0.3999</b>	<b>6.5534</b>	<b>1.6538</b>	<b>0.3872</b>	<b>2.0409</b>	<b>180.6320</b>	<b>9,127.5116</b>	<b>9,308.1436</b>	<b>10.4538</b>	<b>0.0538</b>	<b>9,544.3523</b>

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	10.0588	0.0425	3.6269	1.3000e-003		0.1828	0.1828		0.1828	0.1828	17.6297	14.0418	31.6714	0.0407	1.0500e-003	32.8507
Energy	0.0790	0.6870	0.3720	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	2,127.3199	2,127.3199	0.0758	0.0269	2,137.2586
Mobile	5.5494	11.7645	52.7239	0.0968	6.1535	0.1625	6.3160	1.6538	0.1498	1.8036	0.0000	6,891.3523	6,891.3523	0.2514	0.0000	6,896.6314
Waste						0.0000	0.0000		0.0000	0.0000	152.7182	0.0000	152.7182	9.0254	0.0000	342.2514
Water						0.0000	0.0000		0.0000	0.0000	10.2841	94.7976	105.0817	1.0604	0.0258	135.3437
<b>Total</b>	<b>15.6873</b>	<b>12.4939</b>	<b>56.7228</b>	<b>0.1024</b>	<b>6.1535</b>	<b>0.3999</b>	<b>6.5534</b>	<b>1.6538</b>	<b>0.3872</b>	<b>2.0409</b>	<b>180.6320</b>	<b>9,127.5116</b>	<b>9,308.1436</b>	<b>10.4537</b>	<b>0.0538</b>	<b>9,544.3359</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>0.00</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>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.07</b>	<b>0.00</b>

### 2.3 Vegetation

#### Vegetation

	CO2e
Category	MT
New Trees	667.9400
Vegetation Land Change	-299.9760
<b>Total</b>	<b>367.9640</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	4/1/2017	7/14/2017	6	90	Demo and Off-Site Hauling
2	Site Preparation	Site Preparation	6/22/2017	8/7/2017	6	40	
3	Grading	Grading	8/8/2017	12/14/2017	6	111	
4	Building Construction	Building Construction	12/15/2017	7/8/2021	6	1116	
5	Paving	Paving	7/9/2021	10/4/2021	6	75	
6	Architectural Coating	Architectural Coating	10/5/2021	12/30/2021	6	75	

**Acres of Grading (Site Preparation Phase): 67.6**

**Acres of Grading (Grading Phase): 67.6**

**Acres of Paving: 0**



**Residential Indoor: 834,300; Residential Outdoor: 278,100; Non-Residential Indoor: 2,367,552; Non-Residential Outdoor: 789,184  
(Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	0	0.00	85	0.78
Demolition	Excavators	3	8.00	162	0.38
Demolition	Generator Sets	0	0.00	84	0.74
Demolition	Off-Highway Trucks	0	0.00	400	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Demolition	Rubber Tired Loaders	0	0.00	199	0.36
Demolition	Skid Steer Loaders	0	0.00	64	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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	6	15.00	0.00	7,610.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	780.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	895.00	308.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	179.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Clean Paved Roads

### 3.2 Demolition - 2017

#### 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					1.1769	0.0000	1.1769	0.1782	0.0000	0.1782	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1822	1.9214	1.5252	1.8000e-003		0.0956	0.0956		0.0891	0.0891	0.0000	164.7820	164.7820	0.0452	0.0000	165.7313
<b>Total</b>	<b>0.1822</b>	<b>1.9214</b>	<b>1.5252</b>	<b>1.8000e-003</b>	<b>1.1769</b>	<b>0.0956</b>	<b>1.2726</b>	<b>0.1782</b>	<b>0.0891</b>	<b>0.2673</b>	<b>0.0000</b>	<b>164.7820</b>	<b>164.7820</b>	<b>0.0452</b>	<b>0.0000</b>	<b>165.7313</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	0.0813	1.0235	0.9065	2.8700e-003	0.0642	0.0132	0.0774	0.0177	0.0121	0.0298	0.0000	258.0702	258.0702	1.8800e-003	0.0000	258.1097
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	3.4200e-003	0.0328	7.0000e-005	6.1300e-003	5.0000e-005	6.1800e-003	1.6300e-003	5.0000e-005	1.6800e-003	0.0000	5.3608	5.3608	2.9000e-004	0.0000	5.3668
<b>Total</b>	<b>0.0836</b>	<b>1.0269</b>	<b>0.9393</b>	<b>2.9400e-003</b>	<b>0.0703</b>	<b>0.0132</b>	<b>0.0836</b>	<b>0.0193</b>	<b>0.0122</b>	<b>0.0315</b>	<b>0.0000</b>	<b>263.4310</b>	<b>263.4310</b>	<b>2.1700e-003</b>	<b>0.0000</b>	<b>263.4765</b>

### 3.2 Demolition - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5296	0.0000	0.5296	0.0802	0.0000	0.0802	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0427	0.8443	1.1369	1.8000e-003		0.0181	0.0181		0.0181	0.0181	0.0000	164.7818	164.7818	0.0452	0.0000	165.7311
<b>Total</b>	<b>0.0427</b>	<b>0.8443</b>	<b>1.1369</b>	<b>1.8000e-003</b>	<b>0.5296</b>	<b>0.0181</b>	<b>0.5477</b>	<b>0.0802</b>	<b>0.0181</b>	<b>0.0983</b>	<b>0.0000</b>	<b>164.7818</b>	<b>164.7818</b>	<b>0.0452</b>	<b>0.0000</b>	<b>165.7311</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	0.0813	1.0235	0.9065	2.8700e-003	0.0642	0.0132	0.0774	0.0177	0.0121	0.0298	0.0000	258.0702	258.0702	1.8800e-003	0.0000	258.1097
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	3.4200e-003	0.0328	7.0000e-005	6.1300e-003	5.0000e-005	6.1800e-003	1.6300e-003	5.0000e-005	1.6800e-003	0.0000	5.3608	5.3608	2.9000e-004	0.0000	5.3668
<b>Total</b>	<b>0.0836</b>	<b>1.0269</b>	<b>0.9393</b>	<b>2.9400e-003</b>	<b>0.0703</b>	<b>0.0132</b>	<b>0.0836</b>	<b>0.0193</b>	<b>0.0122</b>	<b>0.0315</b>	<b>0.0000</b>	<b>263.4310</b>	<b>263.4310</b>	<b>2.1700e-003</b>	<b>0.0000</b>	<b>263.4765</b>

### 3.3 Site Preparation - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3972	0.0000	0.3972	0.2025	0.0000	0.2025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	1.0351	0.7879	7.8000e-004		0.0551	0.0551		0.0507	0.0507	0.0000	72.6308	72.6308	0.0223	0.0000	73.0981
<b>Total</b>	<b>0.0968</b>	<b>1.0351</b>	<b>0.7879</b>	<b>7.8000e-004</b>	<b>0.3972</b>	<b>0.0551</b>	<b>0.4523</b>	<b>0.2025</b>	<b>0.0507</b>	<b>0.2532</b>	<b>0.0000</b>	<b>72.6308</b>	<b>72.6308</b>	<b>0.0223</b>	<b>0.0000</b>	<b>73.0981</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	1.2200e-003	1.8200e-003	0.0175	4.0000e-005	3.2700e-003	3.0000e-005	3.2900e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.8591	2.8591	1.5000e-004	0.0000	2.8623
<b>Total</b>	<b>1.2200e-003</b>	<b>1.8200e-003</b>	<b>0.0175</b>	<b>4.0000e-005</b>	<b>3.2700e-003</b>	<b>3.0000e-005</b>	<b>3.2900e-003</b>	<b>8.7000e-004</b>	<b>2.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.8591</b>	<b>2.8591</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.8623</b>

### 3.3 Site Preparation - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1787	0.0000	0.1787	0.0911	0.0000	0.0911	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0190	0.3892	0.4680	7.8000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	72.6307	72.6307	0.0223	0.0000	73.0980
<b>Total</b>	<b>0.0190</b>	<b>0.3892</b>	<b>0.4680</b>	<b>7.8000e-004</b>	<b>0.1787</b>	<b>0.0110</b>	<b>0.1897</b>	<b>0.0911</b>	<b>0.0110</b>	<b>0.1021</b>	<b>0.0000</b>	<b>72.6307</b>	<b>72.6307</b>	<b>0.0223</b>	<b>0.0000</b>	<b>73.0980</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	1.2200e-003	1.8200e-003	0.0175	4.0000e-005	3.2700e-003	3.0000e-005	3.2900e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.8591	2.8591	1.5000e-004	0.0000	2.8623
<b>Total</b>	<b>1.2200e-003</b>	<b>1.8200e-003</b>	<b>0.0175</b>	<b>4.0000e-005</b>	<b>3.2700e-003</b>	<b>3.0000e-005</b>	<b>3.2900e-003</b>	<b>8.7000e-004</b>	<b>2.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.8591</b>	<b>2.8591</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.8623</b>

### 3.4 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3704	0.0000	0.3704	0.1876	0.0000	0.1876	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3385	3.8624	2.5977	3.4200e-003		0.1841	0.1841		0.1694	0.1694	0.0000	317.8703	317.8703	0.0974	0.0000	319.9156
<b>Total</b>	<b>0.3385</b>	<b>3.8624</b>	<b>2.5977</b>	<b>3.4200e-003</b>	<b>0.3704</b>	<b>0.1841</b>	<b>0.5545</b>	<b>0.1876</b>	<b>0.1694</b>	<b>0.3570</b>	<b>0.0000</b>	<b>317.8703</b>	<b>317.8703</b>	<b>0.0974</b>	<b>0.0000</b>	<b>319.9156</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	8.3400e-003	0.1049	0.0929	2.9000e-004	6.5800e-003	1.3500e-003	7.9300e-003	1.8100e-003	1.2400e-003	3.0500e-003	0.0000	26.4514	26.4514	1.9000e-004	0.0000	26.4554
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	5.6200e-003	0.0539	1.2000e-004	0.0101	8.0000e-005	0.0102	2.6800e-003	8.0000e-005	2.7600e-003	0.0000	8.8155	8.8155	4.7000e-004	0.0000	8.8254
<b>Total</b>	<b>0.0121</b>	<b>0.1105</b>	<b>0.1468</b>	<b>4.1000e-004</b>	<b>0.0167</b>	<b>1.4300e-003</b>	<b>0.0181</b>	<b>4.4900e-003</b>	<b>1.3200e-003</b>	<b>5.8100e-003</b>	<b>0.0000</b>	<b>35.2668</b>	<b>35.2668</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>35.2808</b>

### 3.4 Grading - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1667	0.0000	0.1667	0.0844	0.0000	0.0844	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0840	1.6528	2.1059	3.4200e-003		0.0185	0.0185		0.0185	0.0185	0.0000	317.8699	317.8699	0.0974	0.0000	319.9152
<b>Total</b>	<b>0.0840</b>	<b>1.6528</b>	<b>2.1059</b>	<b>3.4200e-003</b>	<b>0.1667</b>	<b>0.0185</b>	<b>0.1852</b>	<b>0.0844</b>	<b>0.0185</b>	<b>0.1029</b>	<b>0.0000</b>	<b>317.8699</b>	<b>317.8699</b>	<b>0.0974</b>	<b>0.0000</b>	<b>319.9152</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	8.3400e-003	0.1049	0.0929	2.9000e-004	6.5800e-003	1.3500e-003	7.9300e-003	1.8100e-003	1.2400e-003	3.0500e-003	0.0000	26.4514	26.4514	1.9000e-004	0.0000	26.4554
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	5.6200e-003	0.0539	1.2000e-004	0.0101	8.0000e-005	0.0102	2.6800e-003	8.0000e-005	2.7600e-003	0.0000	8.8155	8.8155	4.7000e-004	0.0000	8.8254
<b>Total</b>	<b>0.0121</b>	<b>0.1105</b>	<b>0.1468</b>	<b>4.1000e-004</b>	<b>0.0167</b>	<b>1.4300e-003</b>	<b>0.0181</b>	<b>4.4900e-003</b>	<b>1.3200e-003</b>	<b>5.8100e-003</b>	<b>0.0000</b>	<b>35.2668</b>	<b>35.2668</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>35.2808</b>



### 3.5 Building Construction - 2017

#### 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	0.0217	0.1848	0.1269	1.9000e-004		0.0125	0.0125		0.0117	0.0117	0.0000	16.7635	16.7635	4.1300e-003	0.0000	16.8502
<b>Total</b>	<b>0.0217</b>	<b>0.1848</b>	<b>0.1269</b>	<b>1.9000e-004</b>		<b>0.0125</b>	<b>0.0125</b>		<b>0.0117</b>	<b>0.0117</b>	<b>0.0000</b>	<b>16.7635</b>	<b>16.7635</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>16.8502</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	0.0242	0.1953	0.2962	5.2000e-004	0.0139	2.8400e-003	0.0168	4.0000e-003	2.6100e-003	6.6200e-003	0.0000	46.1953	46.1953	3.6000e-004	0.0000	46.2029
Worker	0.0212	0.0317	0.3042	6.8000e-004	0.0569	4.6000e-004	0.0573	0.0151	4.3000e-004	0.0156	0.0000	49.7558	49.7558	2.6700e-003	0.0000	49.8120
<b>Total</b>	<b>0.0455</b>	<b>0.2271</b>	<b>0.6004</b>	<b>1.2000e-003</b>	<b>0.0708</b>	<b>3.3000e-003</b>	<b>0.0741</b>	<b>0.0191</b>	<b>3.0400e-003</b>	<b>0.0222</b>	<b>0.0000</b>	<b>95.9511</b>	<b>95.9511</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>96.0149</b>

### 3.5 Building Construction - 2017

#### 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	4.7000e-003	0.0992	0.1247	1.9000e-004		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	16.7635	16.7635	4.1300e-003	0.0000	16.8502
<b>Total</b>	<b>4.7000e-003</b>	<b>0.0992</b>	<b>0.1247</b>	<b>1.9000e-004</b>		<b>9.5000e-004</b>	<b>9.5000e-004</b>		<b>9.5000e-004</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>16.7635</b>	<b>16.7635</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>16.8502</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	0.0242	0.1953	0.2962	5.2000e-004	0.0139	2.8400e-003	0.0168	4.0000e-003	2.6100e-003	6.6200e-003	0.0000	46.1953	46.1953	3.6000e-004	0.0000	46.2029
Worker	0.0212	0.0317	0.3042	6.8000e-004	0.0569	4.6000e-004	0.0573	0.0151	4.3000e-004	0.0156	0.0000	49.7558	49.7558	2.6700e-003	0.0000	49.8120
<b>Total</b>	<b>0.0455</b>	<b>0.2271</b>	<b>0.6004</b>	<b>1.2000e-003</b>	<b>0.0708</b>	<b>3.3000e-003</b>	<b>0.0741</b>	<b>0.0191</b>	<b>3.0400e-003</b>	<b>0.0222</b>	<b>0.0000</b>	<b>95.9511</b>	<b>95.9511</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>96.0149</b>

### 3.5 Building Construction - 2018

#### 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	0.4177	3.6403	2.7439	4.1900e-003		0.2339	0.2339		0.2199	0.2199	0.0000	370.5446	370.5446	0.0907	0.0000	372.4488
<b>Total</b>	<b>0.4177</b>	<b>3.6403</b>	<b>2.7439</b>	<b>4.1900e-003</b>		<b>0.2339</b>	<b>0.2339</b>		<b>0.2199</b>	<b>0.2199</b>	<b>0.0000</b>	<b>370.5446</b>	<b>370.5446</b>	<b>0.0907</b>	<b>0.0000</b>	<b>372.4488</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	0.5100	3.9562	6.3421	0.0115	0.3116	0.0588	0.3705	0.0895	0.0541	0.1436	0.0000	1,015.0022	1,015.0022	7.9200e-003	0.0000	1,015.1684
Worker	0.4210	0.6377	6.0650	0.0152	1.2713	9.9600e-003	1.2813	0.3382	9.2100e-003	0.3474	0.0000	1,071.0843	1,071.0843	0.0549	0.0000	1,072.2366
<b>Total</b>	<b>0.9309</b>	<b>4.5938</b>	<b>12.4071</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0688</b>	<b>1.6518</b>	<b>0.4277</b>	<b>0.0633</b>	<b>0.4910</b>	<b>0.0000</b>	<b>2,086.0865</b>	<b>2,086.0865</b>	<b>0.0628</b>	<b>0.0000</b>	<b>2,087.4050</b>

### 3.5 Building Construction - 2018

#### 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	0.1051	2.2183	2.7881	4.1900e-003		0.0212	0.0212		0.0212	0.0212	0.0000	370.5441	370.5441	0.0907	0.0000	372.4484
<b>Total</b>	<b>0.1051</b>	<b>2.2183</b>	<b>2.7881</b>	<b>4.1900e-003</b>		<b>0.0212</b>	<b>0.0212</b>		<b>0.0212</b>	<b>0.0212</b>	<b>0.0000</b>	<b>370.5441</b>	<b>370.5441</b>	<b>0.0907</b>	<b>0.0000</b>	<b>372.4484</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	0.5100	3.9562	6.3421	0.0115	0.3116	0.0588	0.3705	0.0895	0.0541	0.1436	0.0000	1,015.0022	1,015.0022	7.9200e-003	0.0000	1,015.1684
Worker	0.4210	0.6377	6.0650	0.0152	1.2713	9.9600e-003	1.2813	0.3382	9.2100e-003	0.3474	0.0000	1,071.0843	1,071.0843	0.0549	0.0000	1,072.2366
<b>Total</b>	<b>0.9309</b>	<b>4.5938</b>	<b>12.4071</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0688</b>	<b>1.6518</b>	<b>0.4277</b>	<b>0.0633</b>	<b>0.4910</b>	<b>0.0000</b>	<b>2,086.0865</b>	<b>2,086.0865</b>	<b>0.0628</b>	<b>0.0000</b>	<b>2,087.4050</b>

### 3.5 Building Construction - 2019

#### 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	0.3680	3.2810	2.6793	4.1900e-003		0.2011	0.2011		0.1891	0.1891	0.0000	366.4021	366.4021	0.0892	0.0000	368.2742
<b>Total</b>	<b>0.3680</b>	<b>3.2810</b>	<b>2.6793</b>	<b>4.1900e-003</b>		<b>0.2011</b>	<b>0.2011</b>		<b>0.1891</b>	<b>0.1891</b>	<b>0.0000</b>	<b>366.4021</b>	<b>366.4021</b>	<b>0.0892</b>	<b>0.0000</b>	<b>368.2742</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	0.4662	3.6099	5.9999	0.0115	0.3116	0.0546	0.3663	0.0895	0.0502	0.1398	0.0000	997.4701	997.4701	7.7300e-003	0.0000	997.6324
Worker	0.3829	0.5808	5.5039	0.0152	1.2713	9.7300e-003	1.2811	0.3382	9.0200e-003	0.3472	0.0000	1,032.6337	1,032.6337	0.0510	0.0000	1,033.7051
<b>Total</b>	<b>0.8491</b>	<b>4.1907</b>	<b>11.5038</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0644</b>	<b>1.6473</b>	<b>0.4277</b>	<b>0.0593</b>	<b>0.4870</b>	<b>0.0000</b>	<b>2,030.1038</b>	<b>2,030.1038</b>	<b>0.0588</b>	<b>0.0000</b>	<b>2,031.3375</b>

### 3.5 Building Construction - 2019

#### 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	0.1051	2.2183	2.7881	4.1900e-003		0.0212	0.0212		0.0212	0.0212	0.0000	366.4017	366.4017	0.0892	0.0000	368.2738
<b>Total</b>	<b>0.1051</b>	<b>2.2183</b>	<b>2.7881</b>	<b>4.1900e-003</b>		<b>0.0212</b>	<b>0.0212</b>		<b>0.0212</b>	<b>0.0212</b>	<b>0.0000</b>	<b>366.4017</b>	<b>366.4017</b>	<b>0.0892</b>	<b>0.0000</b>	<b>368.2738</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	0.4662	3.6099	5.9999	0.0115	0.3116	0.0546	0.3663	0.0895	0.0502	0.1398	0.0000	997.4701	997.4701	7.7300e-003	0.0000	997.6324
Worker	0.3829	0.5808	5.5039	0.0152	1.2713	9.7300e-003	1.2811	0.3382	9.0200e-003	0.3472	0.0000	1,032.6337	1,032.6337	0.0510	0.0000	1,033.7051
<b>Total</b>	<b>0.8491</b>	<b>4.1907</b>	<b>11.5038</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0644</b>	<b>1.6473</b>	<b>0.4277</b>	<b>0.0593</b>	<b>0.4870</b>	<b>0.0000</b>	<b>2,030.1038</b>	<b>2,030.1038</b>	<b>0.0588</b>	<b>0.0000</b>	<b>2,031.3375</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3315	2.9962	2.6389	4.2100e-003		0.1747	0.1747		0.1643	0.1643	0.0000	362.1203	362.1203	0.0882	0.0000	363.9731
<b>Total</b>	<b>0.3315</b>	<b>2.9962</b>	<b>2.6389</b>	<b>4.2100e-003</b>		<b>0.1747</b>	<b>0.1747</b>		<b>0.1643</b>	<b>0.1643</b>	<b>0.0000</b>	<b>362.1203</b>	<b>362.1203</b>	<b>0.0882</b>	<b>0.0000</b>	<b>363.9731</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	0.4277	3.0850	5.7285	0.0115	0.3126	0.0489	0.3615	0.0898	0.0450	0.1348	0.0000	977.5734	977.5734	7.5100e-003	0.0000	977.7312
Worker	0.3573	0.5368	5.0921	0.0152	1.2754	9.6400e-003	1.2850	0.3393	8.9400e-003	0.3482	0.0000	994.3906	994.3906	0.0482	0.0000	995.4018
<b>Total</b>	<b>0.7850</b>	<b>3.6217</b>	<b>10.8206</b>	<b>0.0267</b>	<b>1.5880</b>	<b>0.0586</b>	<b>1.6466</b>	<b>0.4291</b>	<b>0.0540</b>	<b>0.4830</b>	<b>0.0000</b>	<b>1,971.9640</b>	<b>1,971.9640</b>	<b>0.0557</b>	<b>0.0000</b>	<b>1,973.1330</b>

### 3.5 Building Construction - 2020

#### 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	0.1054	2.2253	2.7970	4.2100e-003		0.0212	0.0212		0.0212	0.0212	0.0000	362.1199	362.1199	0.0882	0.0000	363.9726
<b>Total</b>	<b>0.1054</b>	<b>2.2253</b>	<b>2.7970</b>	<b>4.2100e-003</b>		<b>0.0212</b>	<b>0.0212</b>		<b>0.0212</b>	<b>0.0212</b>	<b>0.0000</b>	<b>362.1199</b>	<b>362.1199</b>	<b>0.0882</b>	<b>0.0000</b>	<b>363.9726</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	0.4277	3.0850	5.7285	0.0115	0.3126	0.0489	0.3615	0.0898	0.0450	0.1348	0.0000	977.5734	977.5734	7.5100e-003	0.0000	977.7312
Worker	0.3573	0.5368	5.0921	0.0152	1.2754	9.6400e-003	1.2850	0.3393	8.9400e-003	0.3482	0.0000	994.3906	994.3906	0.0482	0.0000	995.4018
<b>Total</b>	<b>0.7850</b>	<b>3.6217</b>	<b>10.8206</b>	<b>0.0267</b>	<b>1.5880</b>	<b>0.0586</b>	<b>1.6466</b>	<b>0.4291</b>	<b>0.0540</b>	<b>0.4830</b>	<b>0.0000</b>	<b>1,971.9640</b>	<b>1,971.9640</b>	<b>0.0557</b>	<b>0.0000</b>	<b>1,973.1330</b>



**3.5 Building Construction - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1533	1.4046	1.3396	2.1700e-003		0.0774	0.0774		0.0727	0.0727	0.0000	186.8486	186.8486	0.0450	0.0000	187.7939
<b>Total</b>	<b>0.1533</b>	<b>1.4046</b>	<b>1.3396</b>	<b>2.1700e-003</b>		<b>0.0774</b>	<b>0.0774</b>		<b>0.0727</b>	<b>0.0727</b>	<b>0.0000</b>	<b>186.8486</b>	<b>186.8486</b>	<b>0.0450</b>	<b>0.0000</b>	<b>187.7939</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	0.2128	1.3066	2.8796	5.9300e-003	0.1613	0.0227	0.1840	0.0464	0.0209	0.0672	0.0000	503.6483	503.6483	3.8700e-003	0.0000	503.7295
Worker	0.1739	0.2577	2.4517	7.8500e-003	0.6580	4.9500e-003	0.6630	0.1750	4.5900e-003	0.1796	0.0000	504.0429	504.0429	0.0236	0.0000	504.5380
<b>Total</b>	<b>0.3866</b>	<b>1.5643</b>	<b>5.3313</b>	<b>0.0138</b>	<b>0.8193</b>	<b>0.0276</b>	<b>0.8470</b>	<b>0.2214</b>	<b>0.0255</b>	<b>0.2468</b>	<b>0.0000</b>	<b>1,007.6912</b>	<b>1,007.6912</b>	<b>0.0274</b>	<b>0.0000</b>	<b>1,008.2675</b>

### 3.5 Building Construction - 2021

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0544	1.1481	1.4431	2.1700e-003		0.0110	0.0110		0.0110	0.0110	0.0000	186.8484	186.8484	0.0450	0.0000	187.7937
<b>Total</b>	<b>0.0544</b>	<b>1.1481</b>	<b>1.4431</b>	<b>2.1700e-003</b>		<b>0.0110</b>	<b>0.0110</b>		<b>0.0110</b>	<b>0.0110</b>	<b>0.0000</b>	<b>186.8484</b>	<b>186.8484</b>	<b>0.0450</b>	<b>0.0000</b>	<b>187.7937</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	0.2128	1.3066	2.8796	5.9300e-003	0.1613	0.0227	0.1840	0.0464	0.0209	0.0672	0.0000	503.6483	503.6483	3.8700e-003	0.0000	503.7295
Worker	0.1739	0.2577	2.4517	7.8500e-003	0.6580	4.9500e-003	0.6630	0.1750	4.5900e-003	0.1796	0.0000	504.0429	504.0429	0.0236	0.0000	504.5380
<b>Total</b>	<b>0.3866</b>	<b>1.5643</b>	<b>5.3313</b>	<b>0.0138</b>	<b>0.8193</b>	<b>0.0276</b>	<b>0.8470</b>	<b>0.2214</b>	<b>0.0255</b>	<b>0.2468</b>	<b>0.0000</b>	<b>1,007.6912</b>	<b>1,007.6912</b>	<b>0.0274</b>	<b>0.0000</b>	<b>1,008.2675</b>

### 3.6 Paving - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0462	0.4748	0.5382	8.4000e-004		0.0249	0.0249		0.0230	0.0230	0.0000	73.4906	73.4906	0.0238	0.0000	73.9897
Paving	0.0161					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0623</b>	<b>0.4748</b>	<b>0.5382</b>	<b>8.4000e-004</b>		<b>0.0249</b>	<b>0.0249</b>		<b>0.0230</b>	<b>0.0230</b>	<b>0.0000</b>	<b>73.4906</b>	<b>73.4906</b>	<b>0.0238</b>	<b>0.0000</b>	<b>73.9897</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	1.3500e-003	2.0000e-003	0.0190	6.0000e-005	5.1100e-003	4.0000e-005	5.1400e-003	1.3600e-003	4.0000e-005	1.3900e-003	0.0000	3.9110	3.9110	1.8000e-004	0.0000	3.9148
<b>Total</b>	<b>1.3500e-003</b>	<b>2.0000e-003</b>	<b>0.0190</b>	<b>6.0000e-005</b>	<b>5.1100e-003</b>	<b>4.0000e-005</b>	<b>5.1400e-003</b>	<b>1.3600e-003</b>	<b>4.0000e-005</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>3.9110</b>	<b>3.9110</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>3.9148</b>

### 3.6 Paving - 2021

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0206	0.4149	0.6348	8.4000e-004		3.3600e-003	3.3600e-003		3.3600e-003	3.3600e-003	0.0000	73.4905	73.4905	0.0238	0.0000	73.9896
Paving	0.0161					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0367</b>	<b>0.4149</b>	<b>0.6348</b>	<b>8.4000e-004</b>		<b>3.3600e-003</b>	<b>3.3600e-003</b>		<b>3.3600e-003</b>	<b>3.3600e-003</b>	<b>0.0000</b>	<b>73.4905</b>	<b>73.4905</b>	<b>0.0238</b>	<b>0.0000</b>	<b>73.9896</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	1.3500e-003	2.0000e-003	0.0190	6.0000e-005	5.1100e-003	4.0000e-005	5.1400e-003	1.3600e-003	4.0000e-005	1.3900e-003	0.0000	3.9110	3.9110	1.8000e-004	0.0000	3.9148
<b>Total</b>	<b>1.3500e-003</b>	<b>2.0000e-003</b>	<b>0.0190</b>	<b>6.0000e-005</b>	<b>5.1100e-003</b>	<b>4.0000e-005</b>	<b>5.1400e-003</b>	<b>1.3600e-003</b>	<b>4.0000e-005</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>3.9110</b>	<b>3.9110</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>3.9148</b>

### 3.7 Architectural Coating - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	11.1304					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2100e-003	0.0573	0.0682	1.1000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	9.5747	9.5747	6.6000e-004	0.0000	9.5885
<b>Total</b>	<b>11.1387</b>	<b>0.0573</b>	<b>0.0682</b>	<b>1.1000e-004</b>		<b>3.5300e-003</b>	<b>3.5300e-003</b>		<b>3.5300e-003</b>	<b>3.5300e-003</b>	<b>0.0000</b>	<b>9.5747</b>	<b>9.5747</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>9.5885</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	0.0161	0.0239	0.2270	7.3000e-004	0.0609	4.6000e-004	0.0614	0.0162	4.2000e-004	0.0166	0.0000	46.6706	46.6706	2.1800e-003	0.0000	46.7165
<b>Total</b>	<b>0.0161</b>	<b>0.0239</b>	<b>0.2270</b>	<b>7.3000e-004</b>	<b>0.0609</b>	<b>4.6000e-004</b>	<b>0.0614</b>	<b>0.0162</b>	<b>4.2000e-004</b>	<b>0.0166</b>	<b>0.0000</b>	<b>46.6706</b>	<b>46.6706</b>	<b>2.1800e-003</b>	<b>0.0000</b>	<b>46.7165</b>

### 3.7 Architectural Coating - 2021

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	11.1304					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2300e-003	0.0509	0.0687	1.1000e-004		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	9.5747	9.5747	6.6000e-004	0.0000	9.5885
<b>Total</b>	<b>11.1327</b>	<b>0.0509</b>	<b>0.0687</b>	<b>1.1000e-004</b>		<b>5.3000e-004</b>	<b>5.3000e-004</b>		<b>5.3000e-004</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>9.5747</b>	<b>9.5747</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>9.5885</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	0.0161	0.0239	0.2270	7.3000e-004	0.0609	4.6000e-004	0.0614	0.0162	4.2000e-004	0.0166	0.0000	46.6706	46.6706	2.1800e-003	0.0000	46.7165
<b>Total</b>	<b>0.0161</b>	<b>0.0239</b>	<b>0.2270</b>	<b>7.3000e-004</b>	<b>0.0609</b>	<b>4.6000e-004</b>	<b>0.0614</b>	<b>0.0162</b>	<b>4.2000e-004</b>	<b>0.0166</b>	<b>0.0000</b>	<b>46.6706</b>	<b>46.6706</b>	<b>2.1800e-003</b>	<b>0.0000</b>	<b>46.7165</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	5.5494	11.7645	52.7239	0.0968	6.1535	0.1625	6.3160	1.6538	0.1498	1.8036	0.0000	6,891.3523	6,891.3523	0.2514	0.0000	6,896.6314
Unmitigated	5.5494	11.7645	52.7239	0.0968	6.1535	0.1625	6.3160	1.6538	0.1498	1.8036	0.0000	6,891.3523	6,891.3523	0.2514	0.0000	6,896.6314

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	38.00	38.00	38.00	81,127	81,127
Condo/Townhouse	1,528.88	1,661.12	1408.24	3,416,719	3,416,719
Health Club	461.02	292.18	374.22	733,394	733,394
High Turnover (Sit Down Restaurant)	762.90	950.22	791.04	920,879	920,879
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	957.00	1,008.00	877.00	2,127,126	2,127,126
Supermarket	6,747.84	11,720.94	10985.04	9,171,887	9,171,887
<b>Total</b>	<b>10,495.64</b>	<b>15,670.46</b>	<b>14,473.54</b>	<b>16,451,132</b>	<b>16,451,132</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-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
High Turnover (Sit Down)	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.543091	0.062201	0.166716	0.110184	0.030625	0.004564	0.019041	0.050825	0.001789	0.003661	0.005684	0.000199	0.001418

**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	1,345.0949	1,345.0949	0.0608	0.0126	1,350.2731
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,345.0949	1,345.0949	0.0608	0.0126	1,350.2731
NaturalGas Mitigated	0.0790	0.6870	0.3720	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	782.2250	782.2250	0.0150	0.0143	786.9855
NaturalGas Unmitigated	0.0790	0.6870	0.3720	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	782.2250	782.2250	0.0150	0.0143	786.9855

### 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					
Condo/Townhouse	5.6351e+006	0.0304	0.2597	0.1105	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	300.7106	300.7106	5.7600e-003	5.5100e-003	302.5407
Health Club	359520	1.9400e-003	0.0176	0.0148	1.1000e-004		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	19.1854	19.1854	3.7000e-004	3.5000e-004	19.3021
High Turnover (Sit Down Restaurant)	1.02006e+006	5.5000e-003	0.0500	0.0420	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4343	54.4343	1.0400e-003	1.0000e-003	54.7656
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.102e+006	0.0275	0.2351	0.1000	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	272.2622	272.2622	5.2200e-003	4.9900e-003	273.9191
Supermarket	2.54166e+006	0.0137	0.1246	0.1047	7.5000e-004		9.4700e-003	9.4700e-003		9.4700e-003	9.4700e-003	0.0000	135.6327	135.6327	2.6000e-003	2.4900e-003	136.4581
City Park	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>0.0791</b>	<b>0.6870</b>	<b>0.3720</b>	<b>4.3200e-003</b>		<b>0.0546</b>	<b>0.0546</b>		<b>0.0546</b>	<b>0.0546</b>	<b>0.0000</b>	<b>782.2251</b>	<b>782.2251</b>	<b>0.0150</b>	<b>0.0143</b>	<b>786.9855</b>

## 5.2 Energy by Land Use - NaturalGas

### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Health Club	359520	1.9400e-003	0.0176	0.0148	1.1000e-004		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	19.1854	19.1854	3.7000e-004	3.5000e-004	19.3021
High Turnover (Sit Down Restaurant)	1.02006e+006	5.5000e-003	0.0500	0.0420	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4343	54.4343	1.0400e-003	1.0000e-003	54.7656
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.102e+006	0.0275	0.2351	0.1000	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	272.2622	272.2622	5.2200e-003	4.9900e-003	273.9191
Supermarket	2.54166e+006	0.0137	0.1246	0.1047	7.5000e-004		9.4700e-003	9.4700e-003		9.4700e-003	9.4700e-003	0.0000	135.6327	135.6327	2.6000e-003	2.4900e-003	136.4581
City Park	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
Condo/Townhouse	5.6351e+006	0.0304	0.2597	0.1105	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	300.7106	300.7106	5.7600e-003	5.5100e-003	302.5407
<b>Total</b>		<b>0.0791</b>	<b>0.6870</b>	<b>0.3720</b>	<b>4.3200e-003</b>		<b>0.0546</b>	<b>0.0546</b>		<b>0.0546</b>	<b>0.0546</b>	<b>0.0000</b>	<b>782.2251</b>	<b>782.2251</b>	<b>0.0150</b>	<b>0.0143</b>	<b>786.9855</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	988944	287.6952	0.0130	2.6900e-003	288.8027
Health Club	115780	33.6817	1.5200e-003	3.2000e-004	33.8114
High Turnover (Sit Down Restaurant)	181440	52.7830	2.3900e-003	4.9000e-004	52.9862
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76744.8	22.3259	1.0100e-003	2.1000e-004	22.4119
Single Family Housing	695397	202.2990	9.1500e-003	1.8900e-003	203.0778
Supermarket	2.56542e+006	746.3101	0.0338	6.9800e-003	749.1832
<b>Total</b>		<b>1,345.0949</b>	<b>0.0608</b>	<b>0.0126</b>	<b>1,350.2731</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	988944	287.6952	0.0130	2.6900e-003	288.8027
Health Club	115780	33.6817	1.5200e-003	3.2000e-004	33.8114
High Turnover (Sit Down Restaurant)	181440	52.7830	2.3900e-003	4.9000e-004	52.9862
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76744.8	22.3259	1.0100e-003	2.1000e-004	22.4119
Single Family Housing	695397	202.2990	9.1500e-003	1.8900e-003	203.0778
Supermarket	2.56542e+006	746.3101	0.0338	6.9800e-003	749.1832
<b>Total</b>		<b>1,345.0949</b>	<b>0.0608</b>	<b>0.0126</b>	<b>1,350.2731</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	10.0588	0.0425	3.6269	1.3000e-003		0.1828	0.1828		0.1828	0.1828	17.6297	14.0418	31.6714	0.0407	1.0500e-003	32.8507
Unmitigated	10.0588	0.0425	3.6269	1.3000e-003		0.1828	0.1828		0.1828	0.1828	17.6297	14.0418	31.6714	0.0407	1.0500e-003	32.8507

## 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	1.1130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.1038					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.7678	0.0141	1.1609	1.1700e-003		0.1691	0.1691		0.1691	0.1691	17.6297	10.0113	27.6410	0.0368	1.0500e-003	28.7389
Landscaping	0.0743	0.0284	2.4660	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.0305	4.0305	3.8700e-003	0.0000	4.1118
<b>Total</b>	<b>10.0588</b>	<b>0.0425</b>	<b>3.6269</b>	<b>1.3000e-003</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1827</b>	<b>0.1827</b>	<b>17.6297</b>	<b>14.0418</b>	<b>31.6715</b>	<b>0.0407</b>	<b>1.0500e-003</b>	<b>32.8507</b>

### 6.2 Area by SubCategory

#### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.1038					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.7678	0.0141	1.1609	1.1700e-003		0.1691	0.1691		0.1691	0.1691	17.6297	10.0113	27.6410	0.0368	1.0500e-003	28.7389
Landscaping	0.0743	0.0284	2.4660	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.0305	4.0305	3.8700e-003	0.0000	4.1118
<b>Total</b>	<b>10.0588</b>	<b>0.0425</b>	<b>3.6269</b>	<b>1.3000e-003</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1827</b>	<b>0.1827</b>	<b>17.6297</b>	<b>14.0418</b>	<b>31.6715</b>	<b>0.0407</b>	<b>1.0500e-003</b>	<b>32.8507</b>

### 7.0 Water Detail

#### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	105.0817	1.0604	0.0258	135.3437
Unmitigated	105.0817	1.0606	0.0258	135.3602

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 28.4764	28.9944	1.3100e-003	2.7000e-004	29.1060
Condo/Townhouse	15.1157 / 9.52948	38.2924	0.4941	0.0119	52.3701
Health Club	0.828004 / 0.507486	2.0828	0.0271	6.5000e-004	2.8539
High Turnover (Sit Down Restaurant)	1.8212 / 0.116247	3.5629	0.0595	1.4300e-003	5.2550
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	6.5154 / 4.10754	16.5053	0.2130	5.1500e-003	22.5733
Supermarket	8.1357 / 0.25162	15.6439	0.2657	6.3800e-003	23.2018
<b>Total</b>		<b>105.0817</b>	<b>1.0606</b>	<b>0.0258</b>	<b>135.3601</b>



## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 28.4764	28.9944	1.3100e-003	2.7000e-004	29.1060
Condo/Townhouse	15.1157 / 9.52948	38.2924	0.4940	0.0119	52.3625
Health Club	0.828004 / 0.507486	2.0828	0.0271	6.5000e-004	2.8535
High Turnover (Sit Down Restaurant)	1.8212 / 0.116247	3.5629	0.0595	1.4300e-003	5.2541
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	6.5154 / 4.10754	16.5053	0.2129	5.1400e-003	22.5700
Supermarket	8.1357 / 0.25162	15.6439	0.2656	6.3700e-003	23.1977
<b>Total</b>		<b>105.0817</b>	<b>1.0604</b>	<b>0.0258</b>	<b>135.3437</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	152.7182	9.0254	0.0000	342.2514
Unmitigated	152.7182	9.0254	0.0000	342.2514

**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	2.06	0.4182	0.0247	0.0000	0.9371
Condo/Townhouse	106.72	21.6632	1.2803	0.0000	48.5486
Health Club	79.8	16.1987	0.9573	0.0000	36.3023
High Turnover (Sit Down Restaurant)	71.4	14.4936	0.8565	0.0000	32.4810
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	120.12	24.3833	1.4410	0.0000	54.6445
Supermarket	372.24	75.5614	4.4656	0.0000	169.3379
<b>Total</b>		<b>152.7182</b>	<b>9.0254</b>	<b>0.0000</b>	<b>342.2514</b>

## 8.2 Waste by Land Use

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	2.06	0.4182	0.0247	0.0000	0.9371
Condo/Townhouse	106.72	21.6632	1.2803	0.0000	48.5486
Health Club	79.8	16.1987	0.9573	0.0000	36.3023
High Turnover (Sit Down Restaurant)	71.4	14.4936	0.8565	0.0000	32.4810
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	120.12	24.3833	1.4410	0.0000	54.6445
Supermarket	372.24	75.5614	4.4656	0.0000	169.3379
<b>Total</b>		<b>152.7182</b>	<b>9.0254</b>	<b>0.0000</b>	<b>342.2514</b>

## 9.0 Operational Offroad

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

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	367.9640	0.0000	0.0000	367.9640

### 10.1 Vegetation Land Change

#### Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Grassland	69.6 / 0	-299.9760	0.0000	0.0000	-299.9760
<b>Total</b>		<b>-299.9760</b>	<b>0.0000</b>	<b>0.0000</b>	<b>-299.9760</b>

**10.2 Net New Trees**

**Species Class**

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Mixed Hardwood	910	667.9400	0.0000	0.0000	667.9400
<b>Total</b>		<b>667.9400</b>	<b>0.0000</b>	<b>0.0000</b>	<b>667.9400</b>

## Oak Knoll Phase I - Onsite Crushing Alameda County, Annual

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	10.30	Acre	10.30	448,668.00	0
Parking Lot	87.21	1000sqft	2.00	87,210.00	0
City Park	23.90	Acre	23.90	1,041,084.00	0
Health Club	14.00	1000sqft	2.80	14,000.00	0
High Turnover (Sit Down Restaurant)	6.00	1000sqft	0.55	6,000.00	0
Condo/Townhouse	232.00	Dwelling Unit	13.00	232,000.00	664
Single Family Housing	100.00	Dwelling Unit	9.20	180,000.00	286
Supermarket	66.00	1000sqft	6.05	66,000.00	0

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	63
<b>Climate Zone</b>	5			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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







tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	1,110.00	1,116.00
tblConstructionPhase	NumDays	70.00	120.00
tblConstructionPhase	NumDays	110.00	111.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	10/4/2017	8/7/2017
tblConstructionPhase	PhaseStartDate	8/19/2017	6/22/2017
tblGrading	AcresOfGrading	277.50	67.60
tblGrading	AcresOfGrading	0.00	67.60
tblLandUse	LotAcreage	0.32	2.80
tblLandUse	LotAcreage	0.14	0.55
tblLandUse	LotAcreage	14.50	13.00
tblLandUse	LotAcreage	32.47	9.20

tblLandUse	LotAcreage	1.52	6.05
tblOffRoadEquipment	HorsePower	85.00	340.00
tblOffRoadEquipment	HorsePower	84.00	134.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblProjectCharacteristics	OperationalYear	2014	2024
tblTripsAndVMT	HaulingTripNumber	10,877.00	0.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	3.45	3.16
tblVehicleEF	HHD	1.09	1.18
tblVehicleEF	HHD	60.69	70.28
tblVehicleEF	HHD	527.63	528.30
tblVehicleEF	HHD	1,551.39	1,562.90
tblVehicleEF	HHD	49.32	49.33
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	3.27	3.98
tblVehicleEF	HHD	2.13	3.95
tblVehicleEF	HHD	3.88	4.42
tblVehicleEF	HHD	9.0910e-003	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	8.3800e-004	1.3290e-003
tblVehicleEF	HHD	8.3640e-003	9.4890e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7720e-003	8.7660e-003
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	7.7700e-004	1.2320e-003

tblVehicleEF	HHD	1.2500e-003	1.4640e-003
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	0.61	0.56
tblVehicleEF	HHD	8.9000e-004	1.0080e-003
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	0.40	0.53
tblVehicleEF	HHD	1.60	2.31
tblVehicleEF	HHD	5.5930e-003	5.6000e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.5500e-003	1.7230e-003
tblVehicleEF	HHD	1.2500e-003	1.4640e-003
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	0.70	0.64
tblVehicleEF	HHD	8.9000e-004	1.0080e-003
tblVehicleEF	HHD	0.25	0.27
tblVehicleEF	HHD	0.40	0.53
tblVehicleEF	HHD	1.71	2.47
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.50	2.29
tblVehicleEF	HHD	1.09	1.19
tblVehicleEF	HHD	41.34	46.57
tblVehicleEF	HHD	558.98	559.68
tblVehicleEF	HHD	1,551.39	1,562.90
tblVehicleEF	HHD	49.32	49.33
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	3.37	4.10
tblVehicleEF	HHD	2.05	3.81

tblVehicleEF	HHD	3.60	4.10
tblVehicleEF	HHD	7.6640e-003	8.6950e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	8.3800e-004	1.3290e-003
tblVehicleEF	HHD	7.0510e-003	8.0000e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7720e-003	8.7660e-003
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	7.7700e-004	1.2320e-003
tblVehicleEF	HHD	3.1140e-003	3.8410e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	0.58	0.53
tblVehicleEF	HHD	1.9820e-003	2.4480e-003
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	0.39	0.52
tblVehicleEF	HHD	1.27	1.77
tblVehicleEF	HHD	5.9250e-003	5.9330e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2360e-003	1.3340e-003
tblVehicleEF	HHD	3.1140e-003	3.8410e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	0.66	0.60
tblVehicleEF	HHD	1.9820e-003	2.4480e-003
tblVehicleEF	HHD	0.25	0.27
tblVehicleEF	HHD	0.39	0.52
tblVehicleEF	HHD	1.36	1.88

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	4.75	4.35
tblVehicleEF	HHD	1.08	1.18
tblVehicleEF	HHD	77.65	91.37
tblVehicleEF	HHD	484.34	484.95
tblVehicleEF	HHD	1,551.39	1,562.90
tblVehicleEF	HHD	49.32	49.33
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	3.12	3.80
tblVehicleEF	HHD	2.16	4.02
tblVehicleEF	HHD	4.09	4.66
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	8.3800e-004	1.3290e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7720e-003	8.7660e-003
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	7.7700e-004	1.2320e-003
tblVehicleEF	HHD	5.6900e-004	6.0300e-004
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	0.66	0.61
tblVehicleEF	HHD	4.2800e-004	4.4100e-004
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	0.45	0.59

tblVehicleEF	HHD	1.87	2.78
tblVehicleEF	HHD	5.1340e-003	5.1410e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.8240e-003	2.0690e-003
tblVehicleEF	HHD	5.6900e-004	6.0300e-004
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	0.75	0.69
tblVehicleEF	HHD	4.2800e-004	4.4100e-004
tblVehicleEF	HHD	0.25	0.27
tblVehicleEF	HHD	0.45	0.59
tblVehicleEF	HHD	2.00	2.97
tblVehicleEF	LDA	8.3230e-003	9.4700e-003
tblVehicleEF	LDA	4.6860e-003	6.4620e-003
tblVehicleEF	LDA	0.62	0.75
tblVehicleEF	LDA	1.29	1.69
tblVehicleEF	LDA	219.18	235.84
tblVehicleEF	LDA	48.27	52.23
tblVehicleEF	LDA	0.54	0.54
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	1.8980e-003	1.8390e-003
tblVehicleEF	LDA	4.2000e-003	3.5030e-003
tblVehicleEF	LDA	1.7600e-003	1.7040e-003
tblVehicleEF	LDA	3.8970e-003	3.2490e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.01	0.02

tblVehicleEF	LDA	0.20	0.23
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	3.4120e-003	3.4130e-003
tblVehicleEF	LDA	7.5900e-004	7.6500e-004
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.23
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	8.3230e-003	9.4700e-003
tblVehicleEF	LDA	4.6860e-003	6.4620e-003
tblVehicleEF	LDA	0.73	0.88
tblVehicleEF	LDA	0.85	1.11
tblVehicleEF	LDA	237.03	254.99
tblVehicleEF	LDA	48.27	52.23
tblVehicleEF	LDA	0.54	0.54
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	1.8980e-003	1.8390e-003
tblVehicleEF	LDA	4.2000e-003	3.5030e-003
tblVehicleEF	LDA	1.7600e-003	1.7040e-003
tblVehicleEF	LDA	3.8970e-003	3.2490e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.18	0.22



tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	3.6920e-003	3.6940e-003
tblVehicleEF	LDA	7.5200e-004	7.5500e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.18	0.22
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	8.3230e-003	9.4700e-003
tblVehicleEF	LDA	4.6860e-003	6.4620e-003
tblVehicleEF	LDA	0.61	0.74
tblVehicleEF	LDA	1.59	2.08
tblVehicleEF	LDA	217.40	233.93
tblVehicleEF	LDA	48.27	52.23
tblVehicleEF	LDA	0.54	0.54
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	1.8980e-003	1.8390e-003
tblVehicleEF	LDA	4.2000e-003	3.5030e-003
tblVehicleEF	LDA	1.7600e-003	1.7040e-003
tblVehicleEF	LDA	3.8970e-003	3.2490e-003
tblVehicleEF	LDA	9.3570e-003	0.01
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.23	0.27
tblVehicleEF	LDA	0.10	0.14

tblVehicleEF	LDA	3.3840e-003	3.3850e-003
tblVehicleEF	LDA	7.6500e-004	7.7200e-004
tblVehicleEF	LDA	9.3570e-003	0.01
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.27
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.41	1.91
tblVehicleEF	LDT1	3.19	4.43
tblVehicleEF	LDT1	271.84	288.91
tblVehicleEF	LDT1	59.80	63.56
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.16	0.22
tblVehicleEF	LDT1	0.17	0.23
tblVehicleEF	LDT1	2.8090e-003	3.3250e-003
tblVehicleEF	LDT1	4.6960e-003	4.7660e-003
tblVehicleEF	LDT1	2.6050e-003	3.0830e-003
tblVehicleEF	LDT1	4.3570e-003	4.4200e-003
tblVehicleEF	LDT1	0.08	0.10
tblVehicleEF	LDT1	0.21	0.25
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.74	0.87
tblVehicleEF	LDT1	0.22	0.32
tblVehicleEF	LDT1	3.9580e-003	3.9590e-003

tblVehicleEF	LDT1	9.0700e-004	9.2400e-004
tblVehicleEF	LDT1	0.08	0.10
tblVehicleEF	LDT1	0.21	0.25
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.74	0.87
tblVehicleEF	LDT1	0.24	0.34
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.63	2.20
tblVehicleEF	LDT1	2.12	2.94
tblVehicleEF	LDT1	292.76	310.88
tblVehicleEF	LDT1	59.80	63.56
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.14	0.19
tblVehicleEF	LDT1	0.15	0.21
tblVehicleEF	LDT1	2.8090e-003	3.3250e-003
tblVehicleEF	LDT1	4.6960e-003	4.7660e-003
tblVehicleEF	LDT1	2.6050e-003	3.0830e-003
tblVehicleEF	LDT1	4.3570e-003	4.4200e-003
tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.24	0.29
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.67	0.80
tblVehicleEF	LDT1	0.17	0.24
tblVehicleEF	LDT1	4.2680e-003	4.2660e-003
tblVehicleEF	LDT1	8.8800e-004	8.9800e-004

tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.24	0.29
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.05	0.07
tblVehicleEF	LDT1	0.67	0.80
tblVehicleEF	LDT1	0.18	0.25
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.40	1.91
tblVehicleEF	LDT1	3.91	5.44
tblVehicleEF	LDT1	269.75	286.71
tblVehicleEF	LDT1	59.80	63.56
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.17	0.24
tblVehicleEF	LDT1	0.18	0.25
tblVehicleEF	LDT1	2.8090e-003	3.3250e-003
tblVehicleEF	LDT1	4.6960e-003	4.7660e-003
tblVehicleEF	LDT1	2.6050e-003	3.0830e-003
tblVehicleEF	LDT1	4.3570e-003	4.4200e-003
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.23	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.91	1.08
tblVehicleEF	LDT1	0.26	0.37
tblVehicleEF	LDT1	3.9270e-003	3.9280e-003
tblVehicleEF	LDT1	9.2000e-004	9.4100e-004
tblVehicleEF	LDT1	0.03	0.04

tblVehicleEF	LDT1	0.23	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.91	1.08
tblVehicleEF	LDT1	0.28	0.40
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	6.6260e-003	9.4410e-003
tblVehicleEF	LDT2	0.81	1.03
tblVehicleEF	LDT2	1.82	2.51
tblVehicleEF	LDT2	334.46	352.05
tblVehicleEF	LDT2	73.52	77.51
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.13	0.20
tblVehicleEF	LDT2	1.8300e-003	1.7470e-003
tblVehicleEF	LDT2	4.0760e-003	3.3870e-003
tblVehicleEF	LDT2	1.6980e-003	1.6200e-003
tblVehicleEF	LDT2	3.7820e-003	3.1420e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.39	0.44
tblVehicleEF	LDT2	0.12	0.17
tblVehicleEF	LDT2	4.6410e-003	4.6450e-003
tblVehicleEF	LDT2	1.0380e-003	1.0470e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.12	0.13

tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.39	0.44
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	6.6260e-003	9.4410e-003
tblVehicleEF	LDT2	0.95	1.20
tblVehicleEF	LDT2	1.20	1.66
tblVehicleEF	LDT2	360.96	379.89
tblVehicleEF	LDT2	73.52	77.51
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.12	0.18
tblVehicleEF	LDT2	1.8300e-003	1.7470e-003
tblVehicleEF	LDT2	4.0760e-003	3.3870e-003
tblVehicleEF	LDT2	1.6980e-003	1.6200e-003
tblVehicleEF	LDT2	3.7820e-003	3.1420e-003
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.36	0.40
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	5.0120e-003	5.0160e-003
tblVehicleEF	LDT2	1.0270e-003	1.0330e-003
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.09	0.10

tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.36	0.40
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	6.6260e-003	9.4410e-003
tblVehicleEF	LDT2	0.80	1.02
tblVehicleEF	LDT2	2.23	3.08
tblVehicleEF	LDT2	331.81	349.26
tblVehicleEF	LDT2	73.52	77.51
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.11	0.14
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	1.8300e-003	1.7470e-003
tblVehicleEF	LDT2	4.0760e-003	3.3870e-003
tblVehicleEF	LDT2	1.6980e-003	1.6200e-003
tblVehicleEF	LDT2	3.7820e-003	3.1420e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.47	0.53
tblVehicleEF	LDT2	0.14	0.20
tblVehicleEF	LDT2	4.6040e-003	4.6080e-003
tblVehicleEF	LDT2	1.0450e-003	1.0570e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.03	0.03

tblVehicleEF	LDT2	0.47	0.53
tblVehicleEF	LDT2	0.15	0.21
tblVehicleEF	LHD1	1.1880e-003	1.2340e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.18
tblVehicleEF	LHD1	1.07	1.58
tblVehicleEF	LHD1	3.85	4.68
tblVehicleEF	LHD1	760.22	760.62
tblVehicleEF	LHD1	40.00	39.57
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.81	1.09
tblVehicleEF	LHD1	1.19	1.31
tblVehicleEF	LHD1	5.5800e-004	5.7600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	9.3700e-004
tblVehicleEF	LHD1	5.1400e-004	5.3000e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	8.6700e-004
tblVehicleEF	LHD1	1.8220e-003	2.0040e-003
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.1450e-003	1.1820e-003
tblVehicleEF	LHD1	0.10	0.15
tblVehicleEF	LHD1	0.43	0.45
tblVehicleEF	LHD1	0.31	0.40



tblVehicleEF	LHD1	8.3820e-003	8.3950e-003
tblVehicleEF	LHD1	5.1400e-004	5.2500e-004
tblVehicleEF	LHD1	1.8220e-003	2.0040e-003
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.1450e-003	1.1820e-003
tblVehicleEF	LHD1	0.12	0.17
tblVehicleEF	LHD1	0.43	0.45
tblVehicleEF	LHD1	0.33	0.43
tblVehicleEF	LHD1	1.1880e-003	1.2340e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.18
tblVehicleEF	LHD1	1.10	1.63
tblVehicleEF	LHD1	2.63	3.17
tblVehicleEF	LHD1	760.22	760.62
tblVehicleEF	LHD1	40.00	39.57
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.76	1.03
tblVehicleEF	LHD1	1.11	1.22
tblVehicleEF	LHD1	5.5800e-004	5.7600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	9.3700e-004
tblVehicleEF	LHD1	5.1400e-004	5.3000e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	8.6700e-004

tblVehicleEF	LHD1	4.4840e-003	5.0680e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4580e-003	2.6460e-003
tblVehicleEF	LHD1	0.10	0.15
tblVehicleEF	LHD1	0.41	0.44
tblVehicleEF	LHD1	0.25	0.32
tblVehicleEF	LHD1	8.3820e-003	8.3960e-003
tblVehicleEF	LHD1	4.9300e-004	4.9900e-004
tblVehicleEF	LHD1	4.4840e-003	5.0680e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4580e-003	2.6460e-003
tblVehicleEF	LHD1	0.12	0.18
tblVehicleEF	LHD1	0.41	0.44
tblVehicleEF	LHD1	0.27	0.34
tblVehicleEF	LHD1	1.1880e-003	1.2340e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.18
tblVehicleEF	LHD1	1.05	1.55
tblVehicleEF	LHD1	4.94	6.02
tblVehicleEF	LHD1	760.22	760.62
tblVehicleEF	LHD1	40.00	39.57
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.83	1.12
tblVehicleEF	LHD1	1.25	1.39

tblVehicleEF	LHD1	5.5800e-004	5.7600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	9.3700e-004
tblVehicleEF	LHD1	5.1400e-004	5.3000e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	8.6700e-004
tblVehicleEF	LHD1	7.7500e-004	7.8900e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	5.6100e-004	5.5300e-004
tblVehicleEF	LHD1	0.10	0.14
tblVehicleEF	LHD1	0.48	0.50
tblVehicleEF	LHD1	0.36	0.47
tblVehicleEF	LHD1	8.3820e-003	8.3940e-003
tblVehicleEF	LHD1	5.3300e-004	5.4800e-004
tblVehicleEF	LHD1	7.7500e-004	7.8900e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	5.6100e-004	5.5300e-004
tblVehicleEF	LHD1	0.12	0.17
tblVehicleEF	LHD1	0.48	0.50
tblVehicleEF	LHD1	0.39	0.50
tblVehicleEF	LHD2	9.3200e-004	9.6400e-004
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7060e-003	0.01
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.79	1.09

tblVehicleEF	LHD2	2.22	2.76
tblVehicleEF	LHD2	657.39	658.41
tblVehicleEF	LHD2	26.95	26.60
tblVehicleEF	LHD2	4.5480e-003	4.5640e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.16	1.59
tblVehicleEF	LHD2	0.73	0.82
tblVehicleEF	LHD2	1.1160e-003	1.1420e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1900e-004	5.0100e-004
tblVehicleEF	LHD2	1.0270e-003	1.0510e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.5360e-003	2.5350e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.9600e-004	4.6400e-004
tblVehicleEF	LHD2	9.8400e-004	1.1630e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.3700e-004	6.8900e-004
tblVehicleEF	LHD2	0.09	0.13
tblVehicleEF	LHD2	0.24	0.30
tblVehicleEF	LHD2	0.17	0.23
tblVehicleEF	LHD2	7.1750e-003	7.1900e-003
tblVehicleEF	LHD2	3.3900e-004	3.4600e-004
tblVehicleEF	LHD2	9.8400e-004	1.1630e-003
tblVehicleEF	LHD2	0.04	0.05

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.3700e-004	6.8900e-004
tblVehicleEF	LHD2	0.11	0.15
tblVehicleEF	LHD2	0.24	0.30
tblVehicleEF	LHD2	0.18	0.25
tblVehicleEF	LHD2	9.3200e-004	9.6400e-004
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7060e-003	0.01
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.80	1.11
tblVehicleEF	LHD2	1.52	1.89
tblVehicleEF	LHD2	657.39	658.41
tblVehicleEF	LHD2	26.95	26.60
tblVehicleEF	LHD2	4.5480e-003	4.5640e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.11	1.53
tblVehicleEF	LHD2	0.67	0.76
tblVehicleEF	LHD2	1.1160e-003	1.1420e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1900e-004	5.0100e-004
tblVehicleEF	LHD2	1.0270e-003	1.0510e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.5360e-003	2.5350e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.9600e-004	4.6400e-004
tblVehicleEF	LHD2	2.4020e-003	2.9310e-003

tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3550e-003	1.5390e-003
tblVehicleEF	LHD2	0.09	0.13
tblVehicleEF	LHD2	0.24	0.29
tblVehicleEF	LHD2	0.14	0.19
tblVehicleEF	LHD2	7.1750e-003	7.1910e-003
tblVehicleEF	LHD2	3.2700e-004	3.3100e-004
tblVehicleEF	LHD2	2.4020e-003	2.9310e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3550e-003	1.5390e-003
tblVehicleEF	LHD2	0.11	0.15
tblVehicleEF	LHD2	0.24	0.29
tblVehicleEF	LHD2	0.15	0.20
tblVehicleEF	LHD2	9.3200e-004	9.6400e-004
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7060e-003	0.01
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.79	1.08
tblVehicleEF	LHD2	2.84	3.54
tblVehicleEF	LHD2	657.39	658.41
tblVehicleEF	LHD2	26.95	26.60
tblVehicleEF	LHD2	4.5480e-003	4.5640e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.18	1.63
tblVehicleEF	LHD2	0.77	0.86
tblVehicleEF	LHD2	1.1160e-003	1.1420e-003

tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1900e-004	5.0100e-004
tblVehicleEF	LHD2	1.0270e-003	1.0510e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.5360e-003	2.5350e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.9600e-004	4.6400e-004
tblVehicleEF	LHD2	4.3500e-004	4.6700e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1800e-004	3.2900e-004
tblVehicleEF	LHD2	0.09	0.13
tblVehicleEF	LHD2	0.27	0.34
tblVehicleEF	LHD2	0.20	0.27
tblVehicleEF	LHD2	7.1750e-003	7.1900e-003
tblVehicleEF	LHD2	3.5000e-004	3.5900e-004
tblVehicleEF	LHD2	4.3500e-004	4.6700e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1800e-004	3.2900e-004
tblVehicleEF	LHD2	0.11	0.15
tblVehicleEF	LHD2	0.27	0.34
tblVehicleEF	LHD2	0.21	0.29
tblVehicleEF	MCY	24.39	25.63
tblVehicleEF	MCY	11.21	11.07
tblVehicleEF	MCY	150.64	148.31

tblVehicleEF	MCY	37.25	38.43
tblVehicleEF	MCY	5.6760e-003	5.6840e-003
tblVehicleEF	MCY	1.23	1.24
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	2.8600e-004	3.7200e-004
tblVehicleEF	MCY	7.7900e-004	1.0700e-003
tblVehicleEF	MCY	2.4500e-004	3.1100e-004
tblVehicleEF	MCY	6.6600e-004	8.8300e-004
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	0.35	0.37
tblVehicleEF	MCY	0.33	0.33
tblVehicleEF	MCY	2.67	2.71
tblVehicleEF	MCY	1.22	1.34
tblVehicleEF	MCY	2.23	2.27
tblVehicleEF	MCY	2.1400e-003	2.1350e-003
tblVehicleEF	MCY	6.6000e-004	6.7200e-004
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	0.35	0.37
tblVehicleEF	MCY	0.33	0.33
tblVehicleEF	MCY	2.92	2.97
tblVehicleEF	MCY	1.22	1.34
tblVehicleEF	MCY	2.39	2.43
tblVehicleEF	MCY	22.97	24.10
tblVehicleEF	MCY	8.82	8.79
tblVehicleEF	MCY	150.64	148.31
tblVehicleEF	MCY	37.25	38.43
tblVehicleEF	MCY	5.6760e-003	5.6840e-003
tblVehicleEF	MCY	1.07	1.08



tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.8600e-004	3.7200e-004
tblVehicleEF	MCY	7.7900e-004	1.0700e-003
tblVehicleEF	MCY	2.4500e-004	3.1100e-004
tblVehicleEF	MCY	6.6600e-004	8.8300e-004
tblVehicleEF	MCY	1.80	1.81
tblVehicleEF	MCY	0.52	0.54
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	2.57	2.60
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	1.79	1.81
tblVehicleEF	MCY	2.1150e-003	2.1080e-003
tblVehicleEF	MCY	6.0900e-004	6.2200e-004
tblVehicleEF	MCY	1.80	1.81
tblVehicleEF	MCY	0.52	0.54
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	2.81	2.85
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	1.92	1.94
tblVehicleEF	MCY	26.55	27.96
tblVehicleEF	MCY	13.38	13.16
tblVehicleEF	MCY	150.64	148.31
tblVehicleEF	MCY	37.25	38.43
tblVehicleEF	MCY	5.6760e-003	5.6840e-003
tblVehicleEF	MCY	1.31	1.33
tblVehicleEF	MCY	0.34	0.34
tblVehicleEF	MCY	2.8600e-004	3.7200e-004
tblVehicleEF	MCY	7.7900e-004	1.0700e-003

tblVehicleEF	MCY	2.4500e-004	3.1100e-004
tblVehicleEF	MCY	6.6600e-004	8.8300e-004
tblVehicleEF	MCY	0.14	0.14
tblVehicleEF	MCY	0.41	0.43
tblVehicleEF	MCY	0.10	0.10
tblVehicleEF	MCY	2.77	2.83
tblVehicleEF	MCY	1.53	1.66
tblVehicleEF	MCY	2.61	2.66
tblVehicleEF	MCY	2.1770e-003	2.1750e-003
tblVehicleEF	MCY	7.0600e-004	7.1800e-004
tblVehicleEF	MCY	0.14	0.14
tblVehicleEF	MCY	0.41	0.43
tblVehicleEF	MCY	0.10	0.10
tblVehicleEF	MCY	3.03	3.09
tblVehicleEF	MCY	1.53	1.66
tblVehicleEF	MCY	2.80	2.86
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.38	1.86
tblVehicleEF	MDV	3.86	5.08
tblVehicleEF	MDV	447.62	469.15
tblVehicleEF	MDV	98.69	103.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.20	0.27
tblVehicleEF	MDV	0.32	0.43
tblVehicleEF	MDV	2.0280e-003	2.1340e-003
tblVehicleEF	MDV	4.0140e-003	3.7390e-003
tblVehicleEF	MDV	1.8810e-003	1.9730e-003

tblVehicleEF	MDV	3.7240e-003	3.4600e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.03	0.05
tblVehicleEF	MDV	0.64	0.68
tblVehicleEF	MDV	0.30	0.41
tblVehicleEF	MDV	5.9290e-003	5.9270e-003
tblVehicleEF	MDV	1.3450e-003	1.3610e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.64	0.68
tblVehicleEF	MDV	0.32	0.44
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.62	2.15
tblVehicleEF	MDV	2.55	3.38
tblVehicleEF	MDV	482.76	505.78
tblVehicleEF	MDV	98.69	103.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.17	0.23
tblVehicleEF	MDV	0.28	0.38
tblVehicleEF	MDV	2.0280e-003	2.1340e-003
tblVehicleEF	MDV	4.0140e-003	3.7390e-003
tblVehicleEF	MDV	1.8810e-003	1.9730e-003
tblVehicleEF	MDV	3.7240e-003	3.4600e-003

tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.22	0.23
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.60	0.63
tblVehicleEF	MDV	0.23	0.31
tblVehicleEF	MDV	6.3980e-003	6.3950e-003
tblVehicleEF	MDV	1.3220e-003	1.3310e-003
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.22	0.23
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.60	0.63
tblVehicleEF	MDV	0.24	0.33
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.36	1.87
tblVehicleEF	MDV	4.74	6.23
tblVehicleEF	MDV	444.10	465.49
tblVehicleEF	MDV	98.69	103.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.21	0.29
tblVehicleEF	MDV	0.35	0.47
tblVehicleEF	MDV	2.0280e-003	2.1340e-003
tblVehicleEF	MDV	4.0140e-003	3.7390e-003
tblVehicleEF	MDV	1.8810e-003	1.9730e-003
tblVehicleEF	MDV	3.7240e-003	3.4600e-003
tblVehicleEF	MDV	0.03	0.03

tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.03	0.05
tblVehicleEF	MDV	0.78	0.82
tblVehicleEF	MDV	0.35	0.48
tblVehicleEF	MDV	5.8820e-003	5.8810e-003
tblVehicleEF	MDV	1.3600e-003	1.3810e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.78	0.82
tblVehicleEF	MDV	0.38	0.52
tblVehicleEF	MH	1.01	2.33
tblVehicleEF	MH	6.18	8.22
tblVehicleEF	MH	665.11	664.76
tblVehicleEF	MH	28.78	28.97
tblVehicleEF	MH	1.4000e-003	1.4180e-003
tblVehicleEF	MH	1.03	1.34
tblVehicleEF	MH	0.67	0.81
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	8.2600e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	7.5600e-004
tblVehicleEF	MH	0.56	0.77
tblVehicleEF	MH	0.05	0.07

tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.06	0.10
tblVehicleEF	MH	1.29	1.92
tblVehicleEF	MH	0.32	0.44
tblVehicleEF	MH	7.3310e-003	7.3500e-003
tblVehicleEF	MH	4.2600e-004	4.6400e-004
tblVehicleEF	MH	0.56	0.77
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.08	0.13
tblVehicleEF	MH	1.29	1.92
tblVehicleEF	MH	0.34	0.47
tblVehicleEF	MH	1.05	2.42
tblVehicleEF	MH	4.17	5.43
tblVehicleEF	MH	665.11	664.76
tblVehicleEF	MH	28.78	28.97
tblVehicleEF	MH	1.4000e-003	1.4180e-003
tblVehicleEF	MH	0.96	1.24
tblVehicleEF	MH	0.62	0.75
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	8.2600e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	7.5600e-004
tblVehicleEF	MH	1.37	1.92
tblVehicleEF	MH	0.06	0.08
tblVehicleEF	MH	0.51	0.66

tblVehicleEF	MH	0.06	0.11
tblVehicleEF	MH	1.25	1.86
tblVehicleEF	MH	0.25	0.34
tblVehicleEF	MH	7.3320e-003	7.3510e-003
tblVehicleEF	MH	3.9300e-004	4.1700e-004
tblVehicleEF	MH	1.37	1.92
tblVehicleEF	MH	0.06	0.08
tblVehicleEF	MH	0.51	0.66
tblVehicleEF	MH	0.08	0.13
tblVehicleEF	MH	1.25	1.86
tblVehicleEF	MH	0.27	0.36
tblVehicleEF	MH	0.98	2.28
tblVehicleEF	MH	7.96	10.73
tblVehicleEF	MH	665.11	664.76
tblVehicleEF	MH	28.78	28.97
tblVehicleEF	MH	1.4000e-003	1.4180e-003
tblVehicleEF	MH	1.07	1.39
tblVehicleEF	MH	0.71	0.85
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	8.2600e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	7.5600e-004
tblVehicleEF	MH	0.23	0.28
tblVehicleEF	MH	0.06	0.09
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.06	0.10

tblVehicleEF	MH	1.40	2.07
tblVehicleEF	MH	0.37	0.52
tblVehicleEF	MH	7.3310e-003	7.3490e-003
tblVehicleEF	MH	4.5600e-004	5.0600e-004
tblVehicleEF	MH	0.23	0.28
tblVehicleEF	MH	0.06	0.09
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.08	0.13
tblVehicleEF	MH	1.40	2.07
tblVehicleEF	MH	0.40	0.56
tblVehicleEF	MHD	8.2190e-003	7.6250e-003
tblVehicleEF	MHD	4.7320e-003	5.4130e-003
tblVehicleEF	MHD	2.09	1.91
tblVehicleEF	MHD	0.49	0.68
tblVehicleEF	MHD	13.77	18.36
tblVehicleEF	MHD	572.65	572.01
tblVehicleEF	MHD	1,004.94	1,006.95
tblVehicleEF	MHD	49.32	49.71
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.33	4.63
tblVehicleEF	MHD	0.99	1.86
tblVehicleEF	MHD	1.43	1.81
tblVehicleEF	MHD	7.6380e-003	0.01
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	1.0610e-003	1.6720e-003
tblVehicleEF	MHD	7.0270e-003	0.01



tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8910e-003	2.8860e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	9.8500e-004	1.5290e-003
tblVehicleEF	MHD	1.5750e-003	1.8870e-003
tblVehicleEF	MHD	0.08	0.09
tblVehicleEF	MHD	0.18	0.16
tblVehicleEF	MHD	9.7900e-004	1.0890e-003
tblVehicleEF	MHD	0.11	0.13
tblVehicleEF	MHD	0.44	0.50
tblVehicleEF	MHD	0.76	1.03
tblVehicleEF	MHD	6.0700e-003	6.0640e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8700e-004	8.7200e-004
tblVehicleEF	MHD	1.5750e-003	1.8870e-003
tblVehicleEF	MHD	0.08	0.09
tblVehicleEF	MHD	0.20	0.19
tblVehicleEF	MHD	9.7900e-004	1.0890e-003
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	0.44	0.50
tblVehicleEF	MHD	0.81	1.10
tblVehicleEF	MHD	7.7450e-003	7.1860e-003
tblVehicleEF	MHD	4.7320e-003	5.4130e-003
tblVehicleEF	MHD	1.52	1.39
tblVehicleEF	MHD	0.50	0.69
tblVehicleEF	MHD	9.39	12.44
tblVehicleEF	MHD	606.67	605.99
tblVehicleEF	MHD	1,004.94	1,006.95

tblVehicleEF	MHD	49.32	49.71
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.43	4.78
tblVehicleEF	MHD	0.95	1.78
tblVehicleEF	MHD	1.33	1.68
tblVehicleEF	MHD	6.4380e-003	0.01
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	1.0610e-003	1.6720e-003
tblVehicleEF	MHD	5.9230e-003	9.2440e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8910e-003	2.8860e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	9.8500e-004	1.5290e-003
tblVehicleEF	MHD	3.9820e-003	4.9690e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.15
tblVehicleEF	MHD	2.1900e-003	2.6080e-003
tblVehicleEF	MHD	0.11	0.13
tblVehicleEF	MHD	0.42	0.48
tblVehicleEF	MHD	0.61	0.81
tblVehicleEF	MHD	6.4310e-003	6.4240e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.1400e-004	7.7200e-004
tblVehicleEF	MHD	3.9820e-003	4.9690e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.19	0.18

tblVehicleEF	MHD	2.1900e-003	2.6080e-003
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	0.42	0.48
tblVehicleEF	MHD	0.65	0.87
tblVehicleEF	MHD	8.8720e-003	8.2320e-003
tblVehicleEF	MHD	4.7320e-003	5.4130e-003
tblVehicleEF	MHD	2.88	2.63
tblVehicleEF	MHD	0.49	0.67
tblVehicleEF	MHD	17.59	23.57
tblVehicleEF	MHD	525.67	525.08
tblVehicleEF	MHD	1,004.94	1,006.95
tblVehicleEF	MHD	49.32	49.71
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.18	4.43
tblVehicleEF	MHD	1.01	1.90
tblVehicleEF	MHD	1.51	1.91
tblVehicleEF	MHD	9.2930e-003	0.01
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	1.0610e-003	1.6720e-003
tblVehicleEF	MHD	8.5500e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8910e-003	2.8860e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	9.8500e-004	1.5290e-003
tblVehicleEF	MHD	6.4200e-004	6.8900e-004
tblVehicleEF	MHD	0.08	0.10

tblVehicleEF	MHD	0.19	0.18
tblVehicleEF	MHD	4.5900e-004	4.7200e-004
tblVehicleEF	MHD	0.11	0.13
tblVehicleEF	MHD	0.49	0.56
tblVehicleEF	MHD	0.88	1.21
tblVehicleEF	MHD	5.5720e-003	5.5660e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	8.5100e-004	9.5900e-004
tblVehicleEF	MHD	6.4200e-004	6.8900e-004
tblVehicleEF	MHD	0.08	0.10
tblVehicleEF	MHD	0.22	0.20
tblVehicleEF	MHD	4.5900e-004	4.7200e-004
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	0.49	0.56
tblVehicleEF	MHD	0.94	1.29
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	2.9530e-003	2.9570e-003
tblVehicleEF	OBUS	3.30	2.74
tblVehicleEF	OBUS	0.83	1.17
tblVehicleEF	OBUS	9.00	11.14
tblVehicleEF	OBUS	533.48	534.88
tblVehicleEF	OBUS	1,045.10	1,039.91
tblVehicleEF	OBUS	32.73	32.82
tblVehicleEF	OBUS	1.8110e-003	1.7890e-003
tblVehicleEF	OBUS	3.20	4.65
tblVehicleEF	OBUS	1.12	2.32
tblVehicleEF	OBUS	1.18	1.44
tblVehicleEF	OBUS	8.7920e-003	9.5470e-003

tblVehicleEF	OBUS	0.10	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	4.5100e-004	6.0300e-004
tblVehicleEF	OBUS	8.0890e-003	8.7830e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.6290e-003	2.6130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	4.1900e-004	5.5500e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.56	0.47
tblVehicleEF	OBUS	3.4900e-004	3.3500e-004
tblVehicleEF	OBUS	0.12	0.14
tblVehicleEF	OBUS	0.31	0.31
tblVehicleEF	OBUS	0.52	0.64
tblVehicleEF	OBUS	5.6550e-003	5.6700e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.2100e-004	5.5900e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.64	0.53
tblVehicleEF	OBUS	3.4900e-004	3.3500e-004
tblVehicleEF	OBUS	0.15	0.17
tblVehicleEF	OBUS	0.31	0.31
tblVehicleEF	OBUS	0.55	0.69
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	2.9530e-003	2.9570e-003
tblVehicleEF	OBUS	2.40	1.99
tblVehicleEF	OBUS	0.84	1.20

tblVehicleEF	OBUS	6.14	7.60
tblVehicleEF	OBUS	565.17	566.66
tblVehicleEF	OBUS	1,045.10	1,039.91
tblVehicleEF	OBUS	32.73	32.82
tblVehicleEF	OBUS	1.8110e-003	1.7890e-003
tblVehicleEF	OBUS	3.30	4.79
tblVehicleEF	OBUS	1.06	2.21
tblVehicleEF	OBUS	1.09	1.34
tblVehicleEF	OBUS	7.4120e-003	8.0480e-003
tblVehicleEF	OBUS	0.10	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	4.5100e-004	6.0300e-004
tblVehicleEF	OBUS	6.8190e-003	7.4040e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.6290e-003	2.6130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	4.1900e-004	5.5500e-004
tblVehicleEF	OBUS	1.6210e-003	1.6590e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.53	0.44
tblVehicleEF	OBUS	7.4200e-004	7.4100e-004
tblVehicleEF	OBUS	0.13	0.15
tblVehicleEF	OBUS	0.30	0.30
tblVehicleEF	OBUS	0.42	0.52
tblVehicleEF	OBUS	5.9910e-003	6.0070e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.7300e-004	5.0000e-004

tblVehicleEF	OBUS	1.6210e-003	1.6590e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.60	0.50
tblVehicleEF	OBUS	7.4200e-004	7.4100e-004
tblVehicleEF	OBUS	0.15	0.17
tblVehicleEF	OBUS	0.30	0.30
tblVehicleEF	OBUS	0.44	0.55
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	2.9530e-003	2.9570e-003
tblVehicleEF	OBUS	4.55	3.78
tblVehicleEF	OBUS	0.82	1.15
tblVehicleEF	OBUS	11.51	14.25
tblVehicleEF	OBUS	489.71	491.00
tblVehicleEF	OBUS	1,045.10	1,039.91
tblVehicleEF	OBUS	32.73	32.82
tblVehicleEF	OBUS	1.8110e-003	1.7890e-003
tblVehicleEF	OBUS	3.06	4.44
tblVehicleEF	OBUS	1.14	2.37
tblVehicleEF	OBUS	1.24	1.52
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.10	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	4.5100e-004	6.0300e-004
tblVehicleEF	OBUS	9.8420e-003	0.01
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.6290e-003	2.6130e-003
tblVehicleEF	OBUS	0.03	0.03

tblVehicleEF	OBUS	4.1900e-004	5.5500e-004
tblVehicleEF	OBUS	3.2900e-004	3.1100e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.60	0.50
tblVehicleEF	OBUS	1.8300e-004	1.7100e-004
tblVehicleEF	OBUS	0.12	0.14
tblVehicleEF	OBUS	0.34	0.34
tblVehicleEF	OBUS	0.60	0.75
tblVehicleEF	OBUS	5.1910e-003	5.2050e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.6300e-004	6.1100e-004
tblVehicleEF	OBUS	3.2900e-004	3.1100e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.69	0.57
tblVehicleEF	OBUS	1.8300e-004	1.7100e-004
tblVehicleEF	OBUS	0.14	0.17
tblVehicleEF	OBUS	0.34	0.34
tblVehicleEF	OBUS	0.64	0.80
tblVehicleEF	SBUS	4.8570e-003	4.4530e-003
tblVehicleEF	SBUS	5.1600e-003	4.6520e-003
tblVehicleEF	SBUS	1.19	1.05
tblVehicleEF	SBUS	2.64	5.36
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tblVehicleEF	SBUS	556.14	547.00
tblVehicleEF	SBUS	966.46	975.49
tblVehicleEF	SBUS	115.30	116.58
tblVehicleEF	SBUS	1.8900e-004	1.9900e-004
tblVehicleEF	SBUS	7.12	7.58



tblVehicleEF	SBUS	5.53	6.35
tblVehicleEF	SBUS	2.38	2.88
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.47	0.48
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0800e-003	5.6600e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.20	0.20
tblVehicleEF	SBUS	2.6090e-003	2.6220e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	2.8580e-003	5.1250e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.19	0.25
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	8.0390e-003	0.01
tblVehicleEF	SBUS	0.26	0.47
tblVehicleEF	SBUS	2.54	2.91
tblVehicleEF	SBUS	1.49	2.21
tblVehicleEF	SBUS	5.8950e-003	5.7980e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7250e-003	1.9480e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.19	0.25
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	8.0390e-003	0.01
tblVehicleEF	SBUS	0.30	0.53
tblVehicleEF	SBUS	2.54	2.91

tblVehicleEF	SBUS	1.59	2.36
tblVehicleEF	SBUS	4.5770e-003	4.1970e-003
tblVehicleEF	SBUS	5.1600e-003	4.6520e-003
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tblVehicleEF	SBUS	19.93	28.48
tblVehicleEF	SBUS	589.19	579.49
tblVehicleEF	SBUS	966.46	975.49
tblVehicleEF	SBUS	115.30	116.58
tblVehicleEF	SBUS	1.8900e-004	1.9900e-004
tblVehicleEF	SBUS	7.35	7.82
tblVehicleEF	SBUS	5.27	6.03
tblVehicleEF	SBUS	2.18	2.64
tblVehicleEF	SBUS	9.6400e-003	0.01
tblVehicleEF	SBUS	0.47	0.48
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0800e-003	5.6600e-003
tblVehicleEF	SBUS	8.8690e-003	0.01
tblVehicleEF	SBUS	0.20	0.20
tblVehicleEF	SBUS	2.6090e-003	2.6220e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	2.8580e-003	5.1250e-003
tblVehicleEF	SBUS	0.05	0.08
tblVehicleEF	SBUS	0.19	0.26
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.27	0.49

tblVehicleEF	SBUS	2.24	2.58
tblVehicleEF	SBUS	1.29	1.83
tblVehicleEF	SBUS	6.2460e-003	6.1430e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6320e-003	1.7980e-003
tblVehicleEF	SBUS	0.05	0.08
tblVehicleEF	SBUS	0.19	0.26
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.31	0.55
tblVehicleEF	SBUS	2.24	2.58
tblVehicleEF	SBUS	1.38	1.96
tblVehicleEF	SBUS	5.2430e-003	4.8080e-003
tblVehicleEF	SBUS	5.1600e-003	4.6520e-003
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tblVehicleEF	SBUS	2.58	5.31
tblVehicleEF	SBUS	30.21	45.42
tblVehicleEF	SBUS	510.52	502.12
tblVehicleEF	SBUS	966.46	975.49
tblVehicleEF	SBUS	115.30	116.58
tblVehicleEF	SBUS	1.8900e-004	1.9900e-004
tblVehicleEF	SBUS	6.81	7.24
tblVehicleEF	SBUS	5.65	6.50
tblVehicleEF	SBUS	2.52	3.05
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.47	0.48
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04

tblVehicleEF	SBUS	3.0800e-003	5.6600e-003
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.20	0.20
tblVehicleEF	SBUS	2.6090e-003	2.6220e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	2.8580e-003	5.1250e-003
tblVehicleEF	SBUS	7.5090e-003	9.9620e-003
tblVehicleEF	SBUS	0.21	0.29
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	3.8800e-003	5.0810e-003
tblVehicleEF	SBUS	0.26	0.46
tblVehicleEF	SBUS	3.14	3.57
tblVehicleEF	SBUS	1.66	2.53
tblVehicleEF	SBUS	5.4120e-003	5.3230e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.8050e-003	2.0860e-003
tblVehicleEF	SBUS	7.5090e-003	9.9620e-003
tblVehicleEF	SBUS	0.21	0.29
tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	3.8800e-003	5.0810e-003
tblVehicleEF	SBUS	0.30	0.51
tblVehicleEF	SBUS	3.14	3.57
tblVehicleEF	SBUS	1.77	2.71
tblVehicleEF	UBUS	3.48	3.54
tblVehicleEF	UBUS	4.88	4.94
tblVehicleEF	UBUS	2,139.09	2,150.04
tblVehicleEF	UBUS	9.91	9.91
tblVehicleEF	UBUS	3.5990e-003	3.6610e-003

tblVehicleEF	UBUS	13.62	14.14
tblVehicleEF	UBUS	0.63	0.63
tblVehicleEF	UBUS	0.23	0.24
tblVehicleEF	UBUS	2.1800e-004	2.2200e-004
tblVehicleEF	UBUS	0.21	0.22
tblVehicleEF	UBUS	2.0200e-004	2.0600e-004
tblVehicleEF	UBUS	1.6400e-003	1.5960e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	7.8000e-004	7.6300e-004
tblVehicleEF	UBUS	0.60	0.62
tblVehicleEF	UBUS	0.39	0.34
tblVehicleEF	UBUS	0.37	0.37
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.9800e-004	1.9900e-004
tblVehicleEF	UBUS	1.6400e-003	1.5960e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	7.8000e-004	7.6300e-004
tblVehicleEF	UBUS	0.68	0.70
tblVehicleEF	UBUS	0.39	0.34
tblVehicleEF	UBUS	0.39	0.39
tblVehicleEF	UBUS	3.53	3.59
tblVehicleEF	UBUS	3.59	3.64
tblVehicleEF	UBUS	2,139.09	2,150.04
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tblVehicleEF	UBUS	3.5990e-003	3.6610e-003
tblVehicleEF	UBUS	13.06	13.56
tblVehicleEF	UBUS	0.58	0.58
tblVehicleEF	UBUS	0.23	0.24

tblVehicleEF	UBUS	2.1800e-004	2.2200e-004
tblVehicleEF	UBUS	0.21	0.22
tblVehicleEF	UBUS	2.0200e-004	2.0600e-004
tblVehicleEF	UBUS	4.1930e-003	4.1030e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.6980e-003	1.6920e-003
tblVehicleEF	UBUS	0.61	0.63
tblVehicleEF	UBUS	0.36	0.31
tblVehicleEF	UBUS	0.31	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.7600e-004	1.7700e-004
tblVehicleEF	UBUS	4.1930e-003	4.1030e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.6980e-003	1.6920e-003
tblVehicleEF	UBUS	0.69	0.71
tblVehicleEF	UBUS	0.36	0.31
tblVehicleEF	UBUS	0.33	0.32
tblVehicleEF	UBUS	3.45	3.51
tblVehicleEF	UBUS	6.00	6.08
tblVehicleEF	UBUS	2,139.09	2,150.04
tblVehicleEF	UBUS	9.91	9.91
tblVehicleEF	UBUS	3.5990e-003	3.6610e-003
tblVehicleEF	UBUS	13.85	14.37
tblVehicleEF	UBUS	0.67	0.66
tblVehicleEF	UBUS	0.23	0.24
tblVehicleEF	UBUS	2.1800e-004	2.2200e-004
tblVehicleEF	UBUS	0.21	0.22
tblVehicleEF	UBUS	2.0200e-004	2.0600e-004

tblVehicleEF	UBUS	5.9400e-004	5.7400e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	3.5600e-004	3.4400e-004
tblVehicleEF	UBUS	0.60	0.61
tblVehicleEF	UBUS	0.48	0.41
tblVehicleEF	UBUS	0.42	0.42
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.1700e-004	2.1900e-004
tblVehicleEF	UBUS	5.9400e-004	5.7400e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	3.5600e-004	3.4400e-004
tblVehicleEF	UBUS	0.67	0.69
tblVehicleEF	UBUS	0.48	0.41
tblVehicleEF	UBUS	0.45	0.44

## 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					
2017	0.9934	10.2430	7.6036	0.0120	2.0447	0.4737	2.5184	0.5953	0.4408	1.0361	0.0000	1,095.745 9	1,095.745 9	0.2443	0.0000	1,100.875 6
2018	1.3486	8.2341	15.1510	0.0309	1.5830	0.3026	1.8856	0.4277	0.2832	0.7109	0.0000	2,456.631 0	2,456.631 0	0.1535	0.0000	2,459.853 8
2019	1.2171	7.4717	14.1831	0.0309	1.5830	0.2655	1.8484	0.4277	0.2484	0.6761	0.0000	2,396.505 9	2,396.505 9	0.1479	0.0000	2,399.611 7
2020	1.1165	6.6179	13.4596	0.0309	1.5880	0.2333	1.8213	0.4291	0.2183	0.6473	0.0000	2,334.084 4	2,334.084 4	0.1439	0.0000	2,337.106 1
2021	11.7584	3.5267	7.5233	0.0177	0.8854	0.1340	1.0193	0.2389	0.1251	0.3641	0.0000	1,328.186 7	1,328.186 7	0.0993	0.0000	1,330.270 9
<b>Total</b>	<b>16.4339</b>	<b>36.0935</b>	<b>57.9206</b>	<b>0.1224</b>	<b>7.6840</b>	<b>1.4091</b>	<b>9.0930</b>	<b>2.1187</b>	<b>1.3157</b>	<b>3.4344</b>	<b>0.0000</b>	<b>9,611.153 8</b>	<b>9,611.153 8</b>	<b>0.7888</b>	<b>0.0000</b>	<b>9,627.718 0</b>





**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	10.0588	0.0425	3.6269	1.3000e-003		0.1828	0.1828		0.1828	0.1828	17.6297	14.0418	31.6714	0.0407	1.0500e-003	32.8507
Energy	0.0790	0.6870	0.3720	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	2,127.3199	2,127.3199	0.0758	0.0269	2,137.2586
Mobile	5.5494	11.7645	52.7239	0.0968	6.1535	0.1625	6.3160	1.6538	0.1498	1.8036	0.0000	6,891.3523	6,891.3523	0.2514	0.0000	6,896.6314
Waste						0.0000	0.0000		0.0000	0.0000	152.7182	0.0000	152.7182	9.0254	0.0000	342.2514
Water						0.0000	0.0000		0.0000	0.0000	10.2841	94.7976	105.0817	1.0606	0.0258	135.3602
<b>Total</b>	<b>15.6873</b>	<b>12.4939</b>	<b>56.7228</b>	<b>0.1024</b>	<b>6.1535</b>	<b>0.3999</b>	<b>6.5534</b>	<b>1.6538</b>	<b>0.3872</b>	<b>2.0409</b>	<b>180.6320</b>	<b>9,127.5116</b>	<b>9,308.1436</b>	<b>10.4538</b>	<b>0.0538</b>	<b>9,544.3523</b>

## 2.2 Overall Operational

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	10.0588	0.0425	3.6269	1.3000e-003		0.1828	0.1828		0.1828	0.1828	17.6297	14.0418	31.6714	0.0407	1.0500e-003	32.8507
Energy	0.0790	0.6870	0.3720	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	2,127.3199	2,127.3199	0.0758	0.0269	2,137.2586
Mobile	5.5494	11.7645	52.7239	0.0968	6.1535	0.1625	6.3160	1.6538	0.1498	1.8036	0.0000	6,891.3523	6,891.3523	0.2514	0.0000	6,896.6314
Waste						0.0000	0.0000		0.0000	0.0000	152.7182	0.0000	152.7182	9.0254	0.0000	342.2514
Water						0.0000	0.0000		0.0000	0.0000	10.2841	94.7976	105.0817	1.0604	0.0258	135.3437
<b>Total</b>	<b>15.6873</b>	<b>12.4939</b>	<b>56.7228</b>	<b>0.1024</b>	<b>6.1535</b>	<b>0.3999</b>	<b>6.5534</b>	<b>1.6538</b>	<b>0.3872</b>	<b>2.0409</b>	<b>180.6320</b>	<b>9,127.5116</b>	<b>9,308.1436</b>	<b>10.4537</b>	<b>0.0538</b>	<b>9,544.3359</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	0.07	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	4/1/2017	8/18/2017	6	120	Demo and On-site asphalt/concrete crushing-processing
2	Site Preparation	Site Preparation	6/22/2017	8/7/2017	6	40	
3	Grading	Grading	8/8/2017	12/14/2017	6	111	
4	Building Construction	Building Construction	12/15/2017	7/8/2021	6	1116	
5	Paving	Paving	7/9/2021	10/4/2021	6	75	
6	Architectural Coating	Architectural Coating	10/5/2021	12/30/2021	6	75	

**Acres of Grading (Site Preparation Phase): 67.6**

**Acres of Grading (Grading Phase): 67.6**

**Acres of Paving: 0**

**Residential Indoor: 834,300; Residential Outdoor: 278,100; Non-Residential Indoor: 2,367,552; Non-Residential Outdoor: 789,184 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	340	0.78
Demolition	Excavators	4	8.00	162	0.38
Demolition	Generator Sets	1	8.00	134	0.74
Demolition	Off-Highway Trucks	1	8.00	400	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Demolition	Rubber Tired Loaders	1	8.00	199	0.36
Demolition	Skid Steer Loaders	1	8.00	64	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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	12	30.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	895.00	308.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	179.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Clean Paved Roads

### 3.2 Demolition - 2017

#### 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					1.1769	0.0000	1.1769	0.1782	0.0000	0.1782	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4799	4.9171	3.3319	6.0200e-003		0.2185	0.2185		0.2058	0.2058	0.0000	566.5602	566.5602	0.1161	0.0000	568.9977
<b>Total</b>	<b>0.4799</b>	<b>4.9171</b>	<b>3.3319</b>	<b>6.0200e-003</b>	<b>1.1769</b>	<b>0.2185</b>	<b>1.3955</b>	<b>0.1782</b>	<b>0.2058</b>	<b>0.3840</b>	<b>0.0000</b>	<b>566.5602</b>	<b>566.5602</b>	<b>0.1161</b>	<b>0.0000</b>	<b>568.9977</b>

### 3.2 Demolition - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-003	9.1200e-003	0.0874	1.9000e-004	0.0163	1.3000e-004	0.0165	4.3500e-003	1.2000e-004	4.4700e-003	0.0000	14.2954	14.2954	7.7000e-004	0.0000	14.3115
<b>Total</b>	<b>6.1000e-003</b>	<b>9.1200e-003</b>	<b>0.0874</b>	<b>1.9000e-004</b>	<b>0.0163</b>	<b>1.3000e-004</b>	<b>0.0165</b>	<b>4.3500e-003</b>	<b>1.2000e-004</b>	<b>4.4700e-003</b>	<b>0.0000</b>	<b>14.2954</b>	<b>14.2954</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>14.3115</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					0.5296	0.0000	0.5296	0.0802	0.0000	0.0802	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1424	2.7891	3.5829	6.0200e-003		0.0183	0.0183		0.0183	0.0183	0.0000	566.5596	566.5596	0.1161	0.0000	568.9970
<b>Total</b>	<b>0.1424</b>	<b>2.7891</b>	<b>3.5829</b>	<b>6.0200e-003</b>	<b>0.5296</b>	<b>0.0183</b>	<b>0.5480</b>	<b>0.0802</b>	<b>0.0183</b>	<b>0.0985</b>	<b>0.0000</b>	<b>566.5596</b>	<b>566.5596</b>	<b>0.1161</b>	<b>0.0000</b>	<b>568.9970</b>

### 3.2 Demolition - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-003	9.1200e-003	0.0874	1.9000e-004	0.0163	1.3000e-004	0.0165	4.3500e-003	1.2000e-004	4.4700e-003	0.0000	14.2954	14.2954	7.7000e-004	0.0000	14.3115
<b>Total</b>	<b>6.1000e-003</b>	<b>9.1200e-003</b>	<b>0.0874</b>	<b>1.9000e-004</b>	<b>0.0163</b>	<b>1.3000e-004</b>	<b>0.0165</b>	<b>4.3500e-003</b>	<b>1.2000e-004</b>	<b>4.4700e-003</b>	<b>0.0000</b>	<b>14.2954</b>	<b>14.2954</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>14.3115</b>

### 3.3 Site Preparation - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3972	0.0000	0.3972	0.2025	0.0000	0.2025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	1.0351	0.7879	7.8000e-004		0.0551	0.0551		0.0507	0.0507	0.0000	72.6308	72.6308	0.0223	0.0000	73.0981
<b>Total</b>	<b>0.0968</b>	<b>1.0351</b>	<b>0.7879</b>	<b>7.8000e-004</b>	<b>0.3972</b>	<b>0.0551</b>	<b>0.4523</b>	<b>0.2025</b>	<b>0.0507</b>	<b>0.2532</b>	<b>0.0000</b>	<b>72.6308</b>	<b>72.6308</b>	<b>0.0223</b>	<b>0.0000</b>	<b>73.0981</b>



### 3.3 Site Preparation - 2017

#### 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	1.2200e-003	1.8200e-003	0.0175	4.0000e-005	3.2700e-003	3.0000e-005	3.2900e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.8591	2.8591	1.5000e-004	0.0000	2.8623
<b>Total</b>	<b>1.2200e-003</b>	<b>1.8200e-003</b>	<b>0.0175</b>	<b>4.0000e-005</b>	<b>3.2700e-003</b>	<b>3.0000e-005</b>	<b>3.2900e-003</b>	<b>8.7000e-004</b>	<b>2.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.8591</b>	<b>2.8591</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.8623</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					0.1787	0.0000	0.1787	0.0911	0.0000	0.0911	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0190	0.3892	0.4680	7.8000e-004		2.8800e-003	2.8800e-003		2.8800e-003	2.8800e-003	0.0000	72.6307	72.6307	0.0223	0.0000	73.0980
<b>Total</b>	<b>0.0190</b>	<b>0.3892</b>	<b>0.4680</b>	<b>7.8000e-004</b>	<b>0.1787</b>	<b>2.8800e-003</b>	<b>0.1816</b>	<b>0.0911</b>	<b>2.8800e-003</b>	<b>0.0940</b>	<b>0.0000</b>	<b>72.6307</b>	<b>72.6307</b>	<b>0.0223</b>	<b>0.0000</b>	<b>73.0980</b>

### 3.3 Site Preparation - 2017

#### 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	1.2200e-003	1.8200e-003	0.0175	4.0000e-005	3.2700e-003	3.0000e-005	3.2900e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.8591	2.8591	1.5000e-004	0.0000	2.8623
<b>Total</b>	<b>1.2200e-003</b>	<b>1.8200e-003</b>	<b>0.0175</b>	<b>4.0000e-005</b>	<b>3.2700e-003</b>	<b>3.0000e-005</b>	<b>3.2900e-003</b>	<b>8.7000e-004</b>	<b>2.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.8591</b>	<b>2.8591</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.8623</b>

### 3.4 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3701	0.0000	0.3701	0.1876	0.0000	0.1876	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3385	3.8624	2.5977	3.4200e-003		0.1841	0.1841		0.1694	0.1694	0.0000	317.8703	317.8703	0.0974	0.0000	319.9156
<b>Total</b>	<b>0.3385</b>	<b>3.8624</b>	<b>2.5977</b>	<b>3.4200e-003</b>	<b>0.3701</b>	<b>0.1841</b>	<b>0.5542</b>	<b>0.1876</b>	<b>0.1694</b>	<b>0.3570</b>	<b>0.0000</b>	<b>317.8703</b>	<b>317.8703</b>	<b>0.0974</b>	<b>0.0000</b>	<b>319.9156</b>

### 3.4 Grading - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	5.6200e-003	0.0539	1.2000e-004	0.0101	8.0000e-005	0.0102	2.6800e-003	8.0000e-005	2.7600e-003	0.0000	8.8155	8.8155	4.7000e-004	0.0000	8.8254
<b>Total</b>	<b>3.7600e-003</b>	<b>5.6200e-003</b>	<b>0.0539</b>	<b>1.2000e-004</b>	<b>0.0101</b>	<b>8.0000e-005</b>	<b>0.0102</b>	<b>2.6800e-003</b>	<b>8.0000e-005</b>	<b>2.7600e-003</b>	<b>0.0000</b>	<b>8.8155</b>	<b>8.8155</b>	<b>4.7000e-004</b>	<b>0.0000</b>	<b>8.8254</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					0.1665	0.0000	0.1665	0.0844	0.0000	0.0844	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0840	1.6528	2.1059	3.4200e-003		0.0110	0.0110		0.0110	0.0110	0.0000	317.8699	317.8699	0.0974	0.0000	319.9152
<b>Total</b>	<b>0.0840</b>	<b>1.6528</b>	<b>2.1059</b>	<b>3.4200e-003</b>	<b>0.1665</b>	<b>0.0110</b>	<b>0.1776</b>	<b>0.0844</b>	<b>0.0110</b>	<b>0.0954</b>	<b>0.0000</b>	<b>317.8699</b>	<b>317.8699</b>	<b>0.0974</b>	<b>0.0000</b>	<b>319.9152</b>

### 3.4 Grading - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	5.6200e-003	0.0539	1.2000e-004	0.0101	8.0000e-005	0.0102	2.6800e-003	8.0000e-005	2.7600e-003	0.0000	8.8155	8.8155	4.7000e-004	0.0000	8.8254
<b>Total</b>	<b>3.7600e-003</b>	<b>5.6200e-003</b>	<b>0.0539</b>	<b>1.2000e-004</b>	<b>0.0101</b>	<b>8.0000e-005</b>	<b>0.0102</b>	<b>2.6800e-003</b>	<b>8.0000e-005</b>	<b>2.7600e-003</b>	<b>0.0000</b>	<b>8.8155</b>	<b>8.8155</b>	<b>4.7000e-004</b>	<b>0.0000</b>	<b>8.8254</b>

### 3.5 Building Construction - 2017

#### 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	0.0217	0.1848	0.1269	1.9000e-004		0.0125	0.0125		0.0117	0.0117	0.0000	16.7635	16.7635	4.1300e-003	0.0000	16.8502
<b>Total</b>	<b>0.0217</b>	<b>0.1848</b>	<b>0.1269</b>	<b>1.9000e-004</b>		<b>0.0125</b>	<b>0.0125</b>		<b>0.0117</b>	<b>0.0117</b>	<b>0.0000</b>	<b>16.7635</b>	<b>16.7635</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>16.8502</b>

### 3.5 Building Construction - 2017

#### 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	0.0242	0.1953	0.2962	5.2000e-004	0.0139	2.8400e-003	0.0168	4.0000e-003	2.6100e-003	6.6200e-003	0.0000	46.1953	46.1953	3.6000e-004	0.0000	46.2029
Worker	0.0212	0.0317	0.3042	6.8000e-004	0.0569	4.6000e-004	0.0573	0.0151	4.3000e-004	0.0156	0.0000	49.7558	49.7558	2.6700e-003	0.0000	49.8120
<b>Total</b>	<b>0.0455</b>	<b>0.2271</b>	<b>0.6004</b>	<b>1.2000e-003</b>	<b>0.0708</b>	<b>3.3000e-003</b>	<b>0.0741</b>	<b>0.0191</b>	<b>3.0400e-003</b>	<b>0.0222</b>	<b>0.0000</b>	<b>95.9511</b>	<b>95.9511</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>96.0149</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	4.7000e-003	0.0992	0.1247	1.9000e-004		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	16.7635	16.7635	4.1300e-003	0.0000	16.8502
<b>Total</b>	<b>4.7000e-003</b>	<b>0.0992</b>	<b>0.1247</b>	<b>1.9000e-004</b>		<b>9.5000e-004</b>	<b>9.5000e-004</b>		<b>9.5000e-004</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>16.7635</b>	<b>16.7635</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>16.8502</b>

### 3.5 Building Construction - 2017

#### 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	0.0242	0.1953	0.2962	5.2000e-004	0.0139	2.8400e-003	0.0168	4.0000e-003	2.6100e-003	6.6200e-003	0.0000	46.1953	46.1953	3.6000e-004	0.0000	46.2029
Worker	0.0212	0.0317	0.3042	6.8000e-004	0.0569	4.6000e-004	0.0573	0.0151	4.3000e-004	0.0156	0.0000	49.7558	49.7558	2.6700e-003	0.0000	49.8120
<b>Total</b>	<b>0.0455</b>	<b>0.2271</b>	<b>0.6004</b>	<b>1.2000e-003</b>	<b>0.0708</b>	<b>3.3000e-003</b>	<b>0.0741</b>	<b>0.0191</b>	<b>3.0400e-003</b>	<b>0.0222</b>	<b>0.0000</b>	<b>95.9511</b>	<b>95.9511</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>96.0149</b>

### 3.5 Building Construction - 2018

#### 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	0.4177	3.6403	2.7439	4.1900e-003		0.2339	0.2339		0.2199	0.2199	0.0000	370.5446	370.5446	0.0907	0.0000	372.4488
<b>Total</b>	<b>0.4177</b>	<b>3.6403</b>	<b>2.7439</b>	<b>4.1900e-003</b>		<b>0.2339</b>	<b>0.2339</b>		<b>0.2199</b>	<b>0.2199</b>	<b>0.0000</b>	<b>370.5446</b>	<b>370.5446</b>	<b>0.0907</b>	<b>0.0000</b>	<b>372.4488</b>

### 3.5 Building Construction - 2018

#### 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	0.0000
Vendor	0.5100	3.9562	6.3421	0.0115	0.3116	0.0588	0.3705	0.0895	0.0541	0.1436	0.0000	1,015.0022	1,015.0022	7.9200e-003	0.0000	0.0000	1,015.1684
Worker	0.4210	0.6377	6.0650	0.0152	1.2713	9.9600e-003	1.2813	0.3382	9.2100e-003	0.3474	0.0000	1,071.0843	1,071.0843	0.0549	0.0000	0.0000	1,072.2366
<b>Total</b>	<b>0.9309</b>	<b>4.5938</b>	<b>12.4071</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0688</b>	<b>1.6518</b>	<b>0.4277</b>	<b>0.0633</b>	<b>0.4910</b>	<b>0.0000</b>	<b>2,086.0865</b>	<b>2,086.0865</b>	<b>0.0628</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2,087.4050</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	0.1051	2.2183	2.7881	4.1900e-003		0.0212	0.0212		0.0212	0.0212	0.0000	370.5441	370.5441	0.0907	0.0000	0.0000	372.4484
<b>Total</b>	<b>0.1051</b>	<b>2.2183</b>	<b>2.7881</b>	<b>4.1900e-003</b>		<b>0.0212</b>	<b>0.0212</b>		<b>0.0212</b>	<b>0.0212</b>	<b>0.0000</b>	<b>370.5441</b>	<b>370.5441</b>	<b>0.0907</b>	<b>0.0000</b>	<b>0.0000</b>	<b>372.4484</b>

### 3.5 Building Construction - 2018

#### 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	0.5100	3.9562	6.3421	0.0115	0.3116	0.0588	0.3705	0.0895	0.0541	0.1436	0.0000	1,015.002 2	1,015.002 2	7.9200e- 003	0.0000	1,015.168 4
Worker	0.4210	0.6377	6.0650	0.0152	1.2713	9.9600e- 003	1.2813	0.3382	9.2100e- 003	0.3474	0.0000	1,071.084 3	1,071.084 3	0.0549	0.0000	1,072.236 6
<b>Total</b>	<b>0.9309</b>	<b>4.5938</b>	<b>12.4071</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0688</b>	<b>1.6518</b>	<b>0.4277</b>	<b>0.0633</b>	<b>0.4910</b>	<b>0.0000</b>	<b>2,086.086 5</b>	<b>2,086.086 5</b>	<b>0.0628</b>	<b>0.0000</b>	<b>2,087.405 0</b>

### 3.5 Building Construction - 2019

#### 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	0.3680	3.2810	2.6793	4.1900e- 003		0.2011	0.2011		0.1891	0.1891	0.0000	366.4021	366.4021	0.0892	0.0000	368.2742
<b>Total</b>	<b>0.3680</b>	<b>3.2810</b>	<b>2.6793</b>	<b>4.1900e- 003</b>		<b>0.2011</b>	<b>0.2011</b>		<b>0.1891</b>	<b>0.1891</b>	<b>0.0000</b>	<b>366.4021</b>	<b>366.4021</b>	<b>0.0892</b>	<b>0.0000</b>	<b>368.2742</b>



### 3.5 Building Construction - 2019

#### 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	0.4662	3.6099	5.9999	0.0115	0.3116	0.0546	0.3663	0.0895	0.0502	0.1398	0.0000	997.4701	997.4701	7.7300e-003	0.0000	997.6324
Worker	0.3829	0.5808	5.5039	0.0152	1.2713	9.7300e-003	1.2811	0.3382	9.0200e-003	0.3472	0.0000	1,032.6337	1,032.6337	0.0510	0.0000	1,033.7051
<b>Total</b>	<b>0.8491</b>	<b>4.1907</b>	<b>11.5038</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0644</b>	<b>1.6473</b>	<b>0.4277</b>	<b>0.0593</b>	<b>0.4870</b>	<b>0.0000</b>	<b>2,030.1038</b>	<b>2,030.1038</b>	<b>0.0588</b>	<b>0.0000</b>	<b>2,031.3375</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	0.1051	2.2183	2.7881	4.1900e-003		0.0212	0.0212		0.0212	0.0212	0.0000	366.4017	366.4017	0.0892	0.0000	368.2738
<b>Total</b>	<b>0.1051</b>	<b>2.2183</b>	<b>2.7881</b>	<b>4.1900e-003</b>		<b>0.0212</b>	<b>0.0212</b>		<b>0.0212</b>	<b>0.0212</b>	<b>0.0000</b>	<b>366.4017</b>	<b>366.4017</b>	<b>0.0892</b>	<b>0.0000</b>	<b>368.2738</b>

### 3.5 Building Construction - 2019

#### 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	0.4662	3.6099	5.9999	0.0115	0.3116	0.0546	0.3663	0.0895	0.0502	0.1398	0.0000	997.4701	997.4701	7.7300e-003	0.0000	997.6324
Worker	0.3829	0.5808	5.5039	0.0152	1.2713	9.7300e-003	1.2811	0.3382	9.0200e-003	0.3472	0.0000	1,032.6337	1,032.6337	0.0510	0.0000	1,033.7051
<b>Total</b>	<b>0.8491</b>	<b>4.1907</b>	<b>11.5038</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0644</b>	<b>1.6473</b>	<b>0.4277</b>	<b>0.0593</b>	<b>0.4870</b>	<b>0.0000</b>	<b>2,030.1038</b>	<b>2,030.1038</b>	<b>0.0588</b>	<b>0.0000</b>	<b>2,031.3375</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3315	2.9962	2.6389	4.2100e-003		0.1747	0.1747		0.1643	0.1643	0.0000	362.1203	362.1203	0.0882	0.0000	363.9731
<b>Total</b>	<b>0.3315</b>	<b>2.9962</b>	<b>2.6389</b>	<b>4.2100e-003</b>		<b>0.1747</b>	<b>0.1747</b>		<b>0.1643</b>	<b>0.1643</b>	<b>0.0000</b>	<b>362.1203</b>	<b>362.1203</b>	<b>0.0882</b>	<b>0.0000</b>	<b>363.9731</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4277	3.0850	5.7285	0.0115	0.3126	0.0489	0.3615	0.0898	0.0450	0.1348	0.0000	977.5734	977.5734	7.5100e-003	0.0000	977.7312
Worker	0.3573	0.5368	5.0921	0.0152	1.2754	9.6400e-003	1.2850	0.3393	8.9400e-003	0.3482	0.0000	994.3906	994.3906	0.0482	0.0000	995.4018
<b>Total</b>	<b>0.7850</b>	<b>3.6217</b>	<b>10.8206</b>	<b>0.0267</b>	<b>1.5880</b>	<b>0.0586</b>	<b>1.6466</b>	<b>0.4291</b>	<b>0.0540</b>	<b>0.4830</b>	<b>0.0000</b>	<b>1,971.9640</b>	<b>1,971.9640</b>	<b>0.0557</b>	<b>0.0000</b>	<b>1,973.1330</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	0.1054	2.2253	2.7970	4.2100e-003		0.0212	0.0212		0.0212	0.0212	0.0000	362.1199	362.1199	0.0882	0.0000	363.9726
<b>Total</b>	<b>0.1054</b>	<b>2.2253</b>	<b>2.7970</b>	<b>4.2100e-003</b>		<b>0.0212</b>	<b>0.0212</b>		<b>0.0212</b>	<b>0.0212</b>	<b>0.0000</b>	<b>362.1199</b>	<b>362.1199</b>	<b>0.0882</b>	<b>0.0000</b>	<b>363.9726</b>

### 3.5 Building Construction - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4277	3.0850	5.7285	0.0115	0.3126	0.0489	0.3615	0.0898	0.0450	0.1348	0.0000	977.5734	977.5734	7.5100e-003	0.0000	0.0000	977.7312
Worker	0.3573	0.5368	5.0921	0.0152	1.2754	9.6400e-003	1.2850	0.3393	8.9400e-003	0.3482	0.0000	994.3906	994.3906	0.0482	0.0000	0.0000	995.4018
<b>Total</b>	<b>0.7850</b>	<b>3.6217</b>	<b>10.8206</b>	<b>0.0267</b>	<b>1.5880</b>	<b>0.0586</b>	<b>1.6466</b>	<b>0.4291</b>	<b>0.0540</b>	<b>0.4830</b>	<b>0.0000</b>	<b>1,971.9640</b>	<b>1,971.9640</b>	<b>0.0557</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1,973.1330</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.1533	1.4046	1.3396	2.1700e-003		0.0774	0.0774		0.0727	0.0727	0.0000	186.8486	186.8486	0.0450	0.0000	0.0000	187.7939
<b>Total</b>	<b>0.1533</b>	<b>1.4046</b>	<b>1.3396</b>	<b>2.1700e-003</b>		<b>0.0774</b>	<b>0.0774</b>		<b>0.0727</b>	<b>0.0727</b>	<b>0.0000</b>	<b>186.8486</b>	<b>186.8486</b>	<b>0.0450</b>	<b>0.0000</b>	<b>0.0000</b>	<b>187.7939</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2128	1.3066	2.8796	5.9300e-003	0.1613	0.0227	0.1840	0.0464	0.0209	0.0672	0.0000	503.6483	503.6483	3.8700e-003	0.0000	503.7295
Worker	0.1739	0.2577	2.4517	7.8500e-003	0.6580	4.9500e-003	0.6630	0.1750	4.5900e-003	0.1796	0.0000	504.0429	504.0429	0.0236	0.0000	504.5380
<b>Total</b>	<b>0.3866</b>	<b>1.5643</b>	<b>5.3313</b>	<b>0.0138</b>	<b>0.8193</b>	<b>0.0276</b>	<b>0.8470</b>	<b>0.2214</b>	<b>0.0255</b>	<b>0.2468</b>	<b>0.0000</b>	<b>1,007.6912</b>	<b>1,007.6912</b>	<b>0.0274</b>	<b>0.0000</b>	<b>1,008.2675</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	0.0544	1.1481	1.4431	2.1700e-003		0.0110	0.0110		0.0110	0.0110	0.0000	186.8484	186.8484	0.0450	0.0000	187.7937
<b>Total</b>	<b>0.0544</b>	<b>1.1481</b>	<b>1.4431</b>	<b>2.1700e-003</b>		<b>0.0110</b>	<b>0.0110</b>		<b>0.0110</b>	<b>0.0110</b>	<b>0.0000</b>	<b>186.8484</b>	<b>186.8484</b>	<b>0.0450</b>	<b>0.0000</b>	<b>187.7937</b>

### 3.5 Building Construction - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2128	1.3066	2.8796	5.9300e-003	0.1613	0.0227	0.1840	0.0464	0.0209	0.0672	0.0000	503.6483	503.6483	3.8700e-003	0.0000	503.7295
Worker	0.1739	0.2577	2.4517	7.8500e-003	0.6580	4.9500e-003	0.6630	0.1750	4.5900e-003	0.1796	0.0000	504.0429	504.0429	0.0236	0.0000	504.5380
<b>Total</b>	<b>0.3866</b>	<b>1.5643</b>	<b>5.3313</b>	<b>0.0138</b>	<b>0.8193</b>	<b>0.0276</b>	<b>0.8470</b>	<b>0.2214</b>	<b>0.0255</b>	<b>0.2468</b>	<b>0.0000</b>	<b>1,007.6912</b>	<b>1,007.6912</b>	<b>0.0274</b>	<b>0.0000</b>	<b>1,008.2675</b>

### 3.6 Paving - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0462	0.4748	0.5382	8.4000e-004		0.0249	0.0249		0.0230	0.0230	0.0000	73.4906	73.4906	0.0238	0.0000	73.9897
Paving	0.0161					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0623</b>	<b>0.4748</b>	<b>0.5382</b>	<b>8.4000e-004</b>		<b>0.0249</b>	<b>0.0249</b>		<b>0.0230</b>	<b>0.0230</b>	<b>0.0000</b>	<b>73.4906</b>	<b>73.4906</b>	<b>0.0238</b>	<b>0.0000</b>	<b>73.9897</b>

### 3.6 Paving - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3500e-003	2.0000e-003	0.0190	6.0000e-005	5.1100e-003	4.0000e-005	5.1400e-003	1.3600e-003	4.0000e-005	1.3900e-003	0.0000	3.9110	3.9110	1.8000e-004	0.0000	3.9148
<b>Total</b>	<b>1.3500e-003</b>	<b>2.0000e-003</b>	<b>0.0190</b>	<b>6.0000e-005</b>	<b>5.1100e-003</b>	<b>4.0000e-005</b>	<b>5.1400e-003</b>	<b>1.3600e-003</b>	<b>4.0000e-005</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>3.9110</b>	<b>3.9110</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>3.9148</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	0.0206	0.4149	0.6348	8.4000e-004		3.3600e-003	3.3600e-003		3.3600e-003	3.3600e-003	0.0000	73.4905	73.4905	0.0238	0.0000	73.9896
Paving	0.0161					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0367</b>	<b>0.4149</b>	<b>0.6348</b>	<b>8.4000e-004</b>		<b>3.3600e-003</b>	<b>3.3600e-003</b>		<b>3.3600e-003</b>	<b>3.3600e-003</b>	<b>0.0000</b>	<b>73.4905</b>	<b>73.4905</b>	<b>0.0238</b>	<b>0.0000</b>	<b>73.9896</b>

### 3.6 Paving - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	1.3500e-003	2.0000e-003	0.0190	6.0000e-005	5.1100e-003	4.0000e-005	5.1400e-003	1.3600e-003	4.0000e-005	1.3900e-003	0.0000	3.9110	3.9110	1.8000e-004	0.0000	3.9148	
<b>Total</b>	<b>1.3500e-003</b>	<b>2.0000e-003</b>	<b>0.0190</b>	<b>6.0000e-005</b>	<b>5.1100e-003</b>	<b>4.0000e-005</b>	<b>5.1400e-003</b>	<b>1.3600e-003</b>	<b>4.0000e-005</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>3.9110</b>	<b>3.9110</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>3.9148</b>	

### 3.7 Architectural Coating - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	11.1304					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2100e-003	0.0573	0.0682	1.1000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	9.5747	9.5747	6.6000e-004	0.0000	9.5885
<b>Total</b>	<b>11.1387</b>	<b>0.0573</b>	<b>0.0682</b>	<b>1.1000e-004</b>		<b>3.5300e-003</b>	<b>3.5300e-003</b>		<b>3.5300e-003</b>	<b>3.5300e-003</b>	<b>0.0000</b>	<b>9.5747</b>	<b>9.5747</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>9.5885</b>



### 3.7 Architectural Coating - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0161	0.0239	0.2270	7.3000e-004	0.0609	4.6000e-004	0.0614	0.0162	4.2000e-004	0.0166	0.0000	46.6706	46.6706	2.1800e-003	0.0000	46.7165
<b>Total</b>	<b>0.0161</b>	<b>0.0239</b>	<b>0.2270</b>	<b>7.3000e-004</b>	<b>0.0609</b>	<b>4.6000e-004</b>	<b>0.0614</b>	<b>0.0162</b>	<b>4.2000e-004</b>	<b>0.0166</b>	<b>0.0000</b>	<b>46.6706</b>	<b>46.6706</b>	<b>2.1800e-003</b>	<b>0.0000</b>	<b>46.7165</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	11.1304					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2300e-003	0.0509	0.0687	1.1000e-004		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	9.5747	9.5747	6.6000e-004	0.0000	9.5885
<b>Total</b>	<b>11.1327</b>	<b>0.0509</b>	<b>0.0687</b>	<b>1.1000e-004</b>		<b>5.3000e-004</b>	<b>5.3000e-004</b>		<b>5.3000e-004</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>9.5747</b>	<b>9.5747</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>9.5885</b>

### 3.7 Architectural Coating - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0161	0.0239	0.2270	7.3000e-004	0.0609	4.6000e-004	0.0614	0.0162	4.2000e-004	0.0166	0.0000	46.6706	46.6706	2.1800e-003	0.0000	46.7165
<b>Total</b>	<b>0.0161</b>	<b>0.0239</b>	<b>0.2270</b>	<b>7.3000e-004</b>	<b>0.0609</b>	<b>4.6000e-004</b>	<b>0.0614</b>	<b>0.0162</b>	<b>4.2000e-004</b>	<b>0.0166</b>	<b>0.0000</b>	<b>46.6706</b>	<b>46.6706</b>	<b>2.1800e-003</b>	<b>0.0000</b>	<b>46.7165</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	5.5494	11.7645	52.7239	0.0968	6.1535	0.1625	6.3160	1.6538	0.1498	1.8036	0.0000	6,891.3523	6,891.3523	0.2514	0.0000	6,896.6314
Unmitigated	5.5494	11.7645	52.7239	0.0968	6.1535	0.1625	6.3160	1.6538	0.1498	1.8036	0.0000	6,891.3523	6,891.3523	0.2514	0.0000	6,896.6314

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	38.00	38.00	38.00	81,127	81,127
Condo/Townhouse	1,528.88	1,661.12	1408.24	3,416,719	3,416,719
Health Club	461.02	292.18	374.22	733,394	733,394
High Turnover (Sit Down Restaurant)	762.90	950.22	791.04	920,879	920,879
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	957.00	1,008.00	877.00	2,127,126	2,127,126
Supermarket	6,747.84	11,720.94	10985.04	9,171,887	9,171,887
<b>Total</b>	<b>10,495.64</b>	<b>15,670.46</b>	<b>14,473.54</b>	<b>16,451,132</b>	<b>16,451,132</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-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
High Turnover (Sit Down)	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.543091	0.062201	0.166716	0.110184	0.030625	0.004564	0.019041	0.050825	0.001789	0.003661	0.005684	0.000199	0.001418

### 5.0 Energy Detail

#### 4.4 Fleet Mix

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	1,345.0949	1,345.0949	0.0608	0.0126	1,350.2731
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,345.0949	1,345.0949	0.0608	0.0126	1,350.2731
NaturalGas Mitigated	0.0790	0.6870	0.3720	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	782.2250	782.2250	0.0150	0.0143	786.9855
NaturalGas Unmitigated	0.0790	0.6870	0.3720	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	782.2250	782.2250	0.0150	0.0143	786.9855

### 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					
City Park	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
Condo/Townhouse	5.6351e+006	0.0304	0.2597	0.1105	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	300.7106	300.7106	5.7600e-003	5.5100e-003	302.5407
Health Club	359520	1.9400e-003	0.0176	0.0148	1.1000e-004		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	19.1854	19.1854	3.7000e-004	3.5000e-004	19.3021
High Turnover (Sit Down Restaurant)	1.02006e+006	5.5000e-003	0.0500	0.0420	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4343	54.4343	1.0400e-003	1.0000e-003	54.7656
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.102e+006	0.0275	0.2351	0.1000	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	272.2622	272.2622	5.2200e-003	4.9900e-003	273.9191
Supermarket	2.54166e+006	0.0137	0.1246	0.1047	7.5000e-004		9.4700e-003	9.4700e-003		9.4700e-003	9.4700e-003	0.0000	135.6327	135.6327	2.6000e-003	2.4900e-003	136.4581
<b>Total</b>		<b>0.0791</b>	<b>0.6870</b>	<b>0.3720</b>	<b>4.3200e-003</b>		<b>0.0546</b>	<b>0.0546</b>		<b>0.0546</b>	<b>0.0546</b>	<b>0.0000</b>	<b>782.2251</b>	<b>782.2251</b>	<b>0.0150</b>	<b>0.0143</b>	<b>786.9855</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	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
Condo/Townhouse	5.6351e+006	0.0304	0.2597	0.1105	1.6600e-003		0.0210	0.0210		0.0210	0.0210	0.0000	300.7106	300.7106	5.7600e-003	5.5100e-003	302.5407
Health Club	359520	1.9400e-003	0.0176	0.0148	1.1000e-004		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	19.1854	19.1854	3.7000e-004	3.5000e-004	19.3021
High Turnover (Sit Down Restaurant)	1.02006e+006	5.5000e-003	0.0500	0.0420	3.0000e-004		3.8000e-003	3.8000e-003		3.8000e-003	3.8000e-003	0.0000	54.4343	54.4343	1.0400e-003	1.0000e-003	54.7656
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.102e+006	0.0275	0.2351	0.1000	1.5000e-003		0.0190	0.0190		0.0190	0.0190	0.0000	272.2622	272.2622	5.2200e-003	4.9900e-003	273.9191
Supermarket	2.54166e+006	0.0137	0.1246	0.1047	7.5000e-004		9.4700e-003	9.4700e-003		9.4700e-003	9.4700e-003	0.0000	135.6327	135.6327	2.6000e-003	2.4900e-003	136.4581
<b>Total</b>		<b>0.0791</b>	<b>0.6870</b>	<b>0.3720</b>	<b>4.3200e-003</b>		<b>0.0546</b>	<b>0.0546</b>		<b>0.0546</b>	<b>0.0546</b>	<b>0.0000</b>	<b>782.2251</b>	<b>782.2251</b>	<b>0.0150</b>	<b>0.0143</b>	<b>786.9855</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	988944	287.6952	0.0130	2.6900e-003	288.8027
Health Club	115780	33.6817	1.5200e-003	3.2000e-004	33.8114
High Turnover (Sit Down Restaurant)	181440	52.7830	2.3900e-003	4.9000e-004	52.9862
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76744.8	22.3259	1.0100e-003	2.1000e-004	22.4119
Single Family Housing	695397	202.2990	9.1500e-003	1.8900e-003	203.0778
Supermarket	2.56542e+006	746.3101	0.0338	6.9800e-003	749.1832
<b>Total</b>		<b>1,345.0949</b>	<b>0.0608</b>	<b>0.0126</b>	<b>1,350.2731</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	988944	287.6952	0.0130	2.6900e-003	288.8027
Health Club	115780	33.6817	1.5200e-003	3.2000e-004	33.8114
High Turnover (Sit Down Restaurant)	181440	52.7830	2.3900e-003	4.9000e-004	52.9862
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76744.8	22.3259	1.0100e-003	2.1000e-004	22.4119
Single Family Housing	695397	202.2990	9.1500e-003	1.8900e-003	203.0778
Supermarket	2.56542e+006	746.3101	0.0338	6.9800e-003	749.1832
<b>Total</b>		<b>1,345.0949</b>	<b>0.0608</b>	<b>0.0126</b>	<b>1,350.2731</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	10.0588	0.0425	3.6269	1.3000e-003		0.1828	0.1828		0.1828	0.1828	17.6297	14.0418	31.6714	0.0407	1.0500e-003	32.8507
Unmitigated	10.0588	0.0425	3.6269	1.3000e-003		0.1828	0.1828		0.1828	0.1828	17.6297	14.0418	31.6714	0.0407	1.0500e-003	32.8507

## 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	1.1130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.1038					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.7678	0.0141	1.1609	1.1700e-003		0.1691	0.1691		0.1691	0.1691	17.6297	10.0113	27.6410	0.0368	1.0500e-003	28.7389
Landscaping	0.0743	0.0284	2.4660	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.0305	4.0305	3.8700e-003	0.0000	4.1118
<b>Total</b>	<b>10.0588</b>	<b>0.0425</b>	<b>3.6269</b>	<b>1.3000e-003</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1827</b>	<b>0.1827</b>	<b>17.6297</b>	<b>14.0418</b>	<b>31.6715</b>	<b>0.0407</b>	<b>1.0500e-003</b>	<b>32.8507</b>

### 6.2 Area by SubCategory

#### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.1038					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.7678	0.0141	1.1609	1.1700e-003		0.1691	0.1691		0.1691	0.1691	17.6297	10.0113	27.6410	0.0368	1.0500e-003	28.7389
Landscaping	0.0743	0.0284	2.4660	1.3000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	4.0305	4.0305	3.8700e-003	0.0000	4.1118
<b>Total</b>	<b>10.0588</b>	<b>0.0425</b>	<b>3.6269</b>	<b>1.3000e-003</b>		<b>0.1828</b>	<b>0.1828</b>		<b>0.1827</b>	<b>0.1827</b>	<b>17.6297</b>	<b>14.0418</b>	<b>31.6715</b>	<b>0.0407</b>	<b>1.0500e-003</b>	<b>32.8507</b>

### 7.0 Water Detail

#### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	105.0817	1.0604	0.0258	135.3437
Unmitigated	105.0817	1.0606	0.0258	135.3602

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 28.4764	28.9944	1.3100e-003	2.7000e-004	29.1060
Condo/Townhouse	15.1157 / 9.52948	38.2924	0.4941	0.0119	52.3701
Health Club	0.828004 / 0.507486	2.0828	0.0271	6.5000e-004	2.8539
High Turnover (Sit Down Restaurant)	1.8212 / 0.116247	3.5629	0.0595	1.4300e-003	5.2550
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	6.5154 / 4.10754	16.5053	0.2130	5.1500e-003	22.5733
Supermarket	8.1357 / 0.25162	15.6439	0.2657	6.3800e-003	23.2018
<b>Total</b>		<b>105.0817</b>	<b>1.0606</b>	<b>0.0258</b>	<b>135.3601</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 28.4764	28.9944	1.3100e-003	2.7000e-004	29.1060
Condo/Townhouse	15.1157 / 9.52948	38.2924	0.4940	0.0119	52.3625
Health Club	0.828004 / 0.507486	2.0828	0.0271	6.5000e-004	2.8535
High Turnover (Sit Down Restaurant)	1.8212 / 0.116247	3.5629	0.0595	1.4300e-003	5.2541
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	6.5154 / 4.10754	16.5053	0.2129	5.1400e-003	22.5700
Supermarket	8.1357 / 0.25162	15.6439	0.2656	6.3700e-003	23.1977
<b>Total</b>		<b>105.0817</b>	<b>1.0604</b>	<b>0.0258</b>	<b>135.3437</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	152.7182	9.0254	0.0000	342.2514
Unmitigated	152.7182	9.0254	0.0000	342.2514

**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	2.06	0.4182	0.0247	0.0000	0.9371
Condo/Townhouse	106.72	21.6632	1.2803	0.0000	48.5486
Health Club	79.8	16.1987	0.9573	0.0000	36.3023
High Turnover (Sit Down Restaurant)	71.4	14.4936	0.8565	0.0000	32.4810
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	120.12	24.3833	1.4410	0.0000	54.6445
Supermarket	372.24	75.5614	4.4656	0.0000	169.3379
<b>Total</b>		<b>152.7182</b>	<b>9.0254</b>	<b>0.0000</b>	<b>342.2514</b>

### 8.2 Waste by Land Use

#### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	2.06	0.4182	0.0247	0.0000	0.9371
Condo/Townhouse	106.72	21.6632	1.2803	0.0000	48.5486
Health Club	79.8	16.1987	0.9573	0.0000	36.3023
High Turnover (Sit Down Restaurant)	71.4	14.4936	0.8565	0.0000	32.4810
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	120.12	24.3833	1.4410	0.0000	54.6445
Supermarket	372.24	75.5614	4.4656	0.0000	169.3379
<b>Total</b>		<b>152.7182</b>	<b>9.0254</b>	<b>0.0000</b>	<b>342.2514</b>

### 9.0 Operational Offroad

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

**Oak Knoll - Phase II**  
**Alameda County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	12.20	Acre	12.20	531,432.00	0
City Park	9.60	Acre	9.60	418,176.00	0
Single Family Housing	263.00	Dwelling Unit	27.20	473,400.00	752

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	63
<b>Climate Zone</b>	5			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<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 - Project specific data.

Construction Phase - Project specific construction schedule

Off-road Equipment -

Trips and VMT -

Grading - Project specific information.

Architectural Coating -

Land Use Change -

Construction Off-road Equipment Mitigation - BAAQMD Basic Construction Mitigation.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
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tblConstEquipMitigation	DPF	No Change	Level 3
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
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tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstructionPhase	NumDays	740.00	1,056.00
tblConstructionPhase	NumDays	50.00	71.00

tblConstructionPhase	NumDays	75.00	110.00
tblConstructionPhase	NumDays	55.00	78.00
tblConstructionPhase	NumDays	30.00	43.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	AcresOfGrading	275.00	49.00
tblGrading	AcresOfGrading	0.00	49.00
tblLandUse	LotAcreage	85.39	27.20
tblProjectCharacteristics	OperationalYear	2014	2024

## 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					
2018	0.7048	6.8306	6.2767	9.7200e-003	0.9658	0.3229	1.2887	0.4536	0.2988	0.7524	0.0000	841.1724	841.1724	0.1816	0.0000	844.9857
2019	0.8579	5.7582	9.3016	0.0194	0.8879	0.2391	1.1270	0.2401	0.2241	0.4642	0.0000	1,532.2610	1,532.2610	0.1219	0.0000	1,534.8214
2020	0.7842	5.1354	8.8718	0.0195	0.8907	0.2093	1.1000	0.2409	0.1961	0.4370	0.0000	1,494.9844	1,494.9844	0.1193	0.0000	1,497.4896
2021	0.7273	4.4967	8.5265	0.0194	0.8879	0.1809	1.0688	0.2402	0.1695	0.4097	0.0000	1,479.8690	1,479.8690	0.1166	0.0000	1,482.3171
2022	8.4769	1.1887	2.1774	4.8200e-003	0.1936	0.0524	0.2459	0.0522	0.0489	0.1011	0.0000	370.5426	370.5426	0.0466	0.0000	371.5206
<b>Total</b>	<b>11.5510</b>	<b>23.4096</b>	<b>35.1539</b>	<b>0.0729</b>	<b>3.8259</b>	<b>1.0046</b>	<b>4.8304</b>	<b>1.2270</b>	<b>0.9374</b>	<b>2.1644</b>	<b>0.0000</b>	<b>5,718.8293</b>	<b>5,718.8293</b>	<b>0.5860</b>	<b>0.0000</b>	<b>5,731.1344</b>



**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	7.9908	0.0516	4.3287	2.6000e-003		0.3571	0.3571		0.3571	0.3571	36.3884	13.3864	49.7748	0.0814	1.9200e-003	52.0800
Energy	0.0724	0.6183	0.2631	3.9500e-003		0.0500	0.0500		0.0500	0.0500	0.0000	1,248.0957	1,248.0957	0.0378	0.0181	1,254.5017
Mobile	1.1113	2.5614	11.6936	0.0325	2.1059	0.0515	2.1573	0.5660	0.0475	0.6135	0.0000	2,234.1414	2,234.1414	0.0667	0.0000	2,235.5420
Waste						0.0000	0.0000		0.0000	0.0000	64.2812	0.0000	64.2812	3.7989	0.0000	144.0582
Water						0.0000	0.0000		0.0000	0.0000	5.4363	49.6190	55.0553	0.5606	0.0137	71.0590
<b>Total</b>	<b>9.1744</b>	<b>3.2313</b>	<b>16.2854</b>	<b>0.0390</b>	<b>2.1059</b>	<b>0.4586</b>	<b>2.5644</b>	<b>0.5660</b>	<b>0.4545</b>	<b>1.0205</b>	<b>106.1059</b>	<b>3,545.2425</b>	<b>3,651.3484</b>	<b>4.5454</b>	<b>0.0337</b>	<b>3,757.2409</b>

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.9908	0.0516	4.3287	2.6000e-003		0.3571	0.3571		0.3571	0.3571	36.3884	13.3864	49.7748	0.0814	1.9200e-003	52.0800
Energy	0.0724	0.6183	0.2631	3.9500e-003		0.0500	0.0500		0.0500	0.0500	0.0000	1,248.0957	1,248.0957	0.0378	0.0181	1,254.5017
Mobile	1.1113	2.5614	11.6936	0.0325	2.1059	0.0515	2.1573	0.5660	0.0475	0.6135	0.0000	2,234.1414	2,234.1414	0.0667	0.0000	2,235.5420
Waste						0.0000	0.0000		0.0000	0.0000	64.2812	0.0000	64.2812	3.7989	0.0000	144.0582
Water						0.0000	0.0000		0.0000	0.0000	5.4363	49.6190	55.0553	0.5605	0.0136	71.0503
<b>Total</b>	<b>9.1744</b>	<b>3.2313</b>	<b>16.2854</b>	<b>0.0390</b>	<b>2.1059</b>	<b>0.4586</b>	<b>2.5644</b>	<b>0.5660</b>	<b>0.4545</b>	<b>1.0205</b>	<b>106.1059</b>	<b>3,545.2425</b>	<b>3,651.3484</b>	<b>4.5453</b>	<b>0.0337</b>	<b>3,757.2322</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>0.00</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>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.06</b>	<b>0.00</b>

## 2.3 Vegetation

### Vegetation

	CO2e
Category	MT
Vegetation Land Change	-211.1900
<b>Total</b>	<b>-211.1900</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	2/1/2018	4/24/2018	6	71	
2	Site Preparation	Site Preparation	4/25/2018	6/13/2018	6	43	
3	Grading	Grading	6/14/2018	10/19/2018	6	110	
4	Building Construction	Building Construction	10/20/2018	3/4/2022	6	1056	
5	Paving	Paving	3/5/2022	6/3/2022	6	78	
6	Architectural Coating	Architectural Coating	6/4/2022	9/2/2022	6	78	

**Acres of Grading (Site Preparation Phase): 49**

**Acres of Grading (Grading Phase): 49**

**Acres of Paving: 0**



**Residential Indoor: 958,635; Residential Outdoor: 319,545; Non-Residential Indoor: 1,424,412; Non-Residential Outdoor: 474,804  
(Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	494.00	184.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	99.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Clean Paved Roads

### 3.2 Demolition - 2018

#### 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	0.1264	1.3075	1.1262	1.4200e-003		0.0642	0.0642		0.0598	0.0598	0.0000	128.2833	128.2833	0.0355	0.0000	129.0282
<b>Total</b>	<b>0.1264</b>	<b>1.3075</b>	<b>1.1262</b>	<b>1.4200e-003</b>		<b>0.0642</b>	<b>0.0642</b>		<b>0.0598</b>	<b>0.0598</b>	<b>0.0000</b>	<b>128.2833</b>	<b>128.2833</b>	<b>0.0355</b>	<b>0.0000</b>	<b>129.0282</b>

### 3.2 Demolition - 2018

#### 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	1.6000e-003	2.4200e-003	0.0231	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2900e-003	4.0000e-005	1.3200e-003	0.0000	4.0720	4.0720	2.1000e-004	0.0000	4.0764
<b>Total</b>	<b>1.6000e-003</b>	<b>2.4200e-003</b>	<b>0.0231</b>	<b>6.0000e-005</b>	<b>4.8300e-003</b>	<b>4.0000e-005</b>	<b>4.8700e-003</b>	<b>1.2900e-003</b>	<b>4.0000e-005</b>	<b>1.3200e-003</b>	<b>0.0000</b>	<b>4.0720</b>	<b>4.0720</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.0764</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	0.0337	0.6660	0.8969	1.4200e-003		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003	0.0000	128.2832	128.2832	0.0355	0.0000	129.0281
<b>Total</b>	<b>0.0337</b>	<b>0.6660</b>	<b>0.8969</b>	<b>1.4200e-003</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>	<b>0.0000</b>	<b>128.2832</b>	<b>128.2832</b>	<b>0.0355</b>	<b>0.0000</b>	<b>129.0281</b>

### 3.2 Demolition - 2018

#### 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	1.6000e-003	2.4200e-003	0.0231	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2900e-003	4.0000e-005	1.3200e-003	0.0000	4.0720	4.0720	2.1000e-004	0.0000	4.0764
<b>Total</b>	<b>1.6000e-003</b>	<b>2.4200e-003</b>	<b>0.0231</b>	<b>6.0000e-005</b>	<b>4.8300e-003</b>	<b>4.0000e-005</b>	<b>4.8700e-003</b>	<b>1.2900e-003</b>	<b>4.0000e-005</b>	<b>1.3200e-003</b>	<b>0.0000</b>	<b>4.0720</b>	<b>4.0720</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.0764</b>

### 3.3 Site Preparation - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4144	0.0000	0.4144	0.2163	0.0000	0.2163	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0923	0.9806	0.7790	8.4000e-004		0.0509	0.0509		0.0468	0.0468	0.0000	76.8432	76.8432	0.0239	0.0000	77.3456
<b>Total</b>	<b>0.0923</b>	<b>0.9806</b>	<b>0.7790</b>	<b>8.4000e-004</b>	<b>0.4144</b>	<b>0.0509</b>	<b>0.4653</b>	<b>0.2163</b>	<b>0.0468</b>	<b>0.2631</b>	<b>0.0000</b>	<b>76.8432</b>	<b>76.8432</b>	<b>0.0239</b>	<b>0.0000</b>	<b>77.3456</b>

### 3.3 Site Preparation - 2018

#### 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	1.1600e-003	1.7600e-003	0.0168	4.0000e-005	3.5100e-003	3.0000e-005	3.5400e-003	9.3000e-004	3.0000e-005	9.6000e-004	0.0000	2.9594	2.9594	1.5000e-004	0.0000	2.9625
<b>Total</b>	<b>1.1600e-003</b>	<b>1.7600e-003</b>	<b>0.0168</b>	<b>4.0000e-005</b>	<b>3.5100e-003</b>	<b>3.0000e-005</b>	<b>3.5400e-003</b>	<b>9.3000e-004</b>	<b>3.0000e-005</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>2.9594</b>	<b>2.9594</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.9625</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					0.1865	0.0000	0.1865	0.0973	0.0000	0.0973	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0205	0.4184	0.5031	8.4000e-004		3.1000e-003	3.1000e-003		3.1000e-003	3.1000e-003	0.0000	76.8431	76.8431	0.0239	0.0000	77.3455
<b>Total</b>	<b>0.0205</b>	<b>0.4184</b>	<b>0.5031</b>	<b>8.4000e-004</b>	<b>0.1865</b>	<b>3.1000e-003</b>	<b>0.1896</b>	<b>0.0973</b>	<b>3.1000e-003</b>	<b>0.1004</b>	<b>0.0000</b>	<b>76.8431</b>	<b>76.8431</b>	<b>0.0239</b>	<b>0.0000</b>	<b>77.3455</b>

### 3.3 Site Preparation - 2018

#### 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	1.1600e-003	1.7600e-003	0.0168	4.0000e-005	3.5100e-003	3.0000e-005	3.5400e-003	9.3000e-004	3.0000e-005	9.6000e-004	0.0000	2.9594	2.9594	1.5000e-004	0.0000	2.9625
<b>Total</b>	<b>1.1600e-003</b>	<b>1.7600e-003</b>	<b>0.0168</b>	<b>4.0000e-005</b>	<b>3.5100e-003</b>	<b>3.0000e-005</b>	<b>3.5400e-003</b>	<b>9.3000e-004</b>	<b>3.0000e-005</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>2.9594</b>	<b>2.9594</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.9625</b>

### 3.4 Grading - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3572	0.0000	0.3572	0.1849	0.0000	0.1849	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2909	3.2744	2.3269	3.3900e-003		0.1533	0.1533		0.1411	0.1411	0.0000	309.9889	309.9889	0.0965	0.0000	312.0154
<b>Total</b>	<b>0.2909</b>	<b>3.2744</b>	<b>2.3269</b>	<b>3.3900e-003</b>	<b>0.3572</b>	<b>0.1533</b>	<b>0.5105</b>	<b>0.1849</b>	<b>0.1411</b>	<b>0.3259</b>	<b>0.0000</b>	<b>309.9889</b>	<b>309.9889</b>	<b>0.0965</b>	<b>0.0000</b>	<b>312.0154</b>

### 3.4 Grading - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3100e-003	5.0100e-003	0.0476	1.2000e-004	9.9800e-003	8.0000e-005	0.0101	2.6600e-003	7.0000e-005	2.7300e-003	0.0000	8.4116	8.4116	4.3000e-004	0.0000	8.4207
<b>Total</b>	<b>3.3100e-003</b>	<b>5.0100e-003</b>	<b>0.0476</b>	<b>1.2000e-004</b>	<b>9.9800e-003</b>	<b>8.0000e-005</b>	<b>0.0101</b>	<b>2.6600e-003</b>	<b>7.0000e-005</b>	<b>2.7300e-003</b>	<b>0.0000</b>	<b>8.4116</b>	<b>8.4116</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>8.4207</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					0.1607	0.0000	0.1607	0.0832	0.0000	0.0832	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0832	1.6379	2.0869	3.3900e-003		0.0109	0.0109		0.0109	0.0109	0.0000	309.9885	309.9885	0.0965	0.0000	312.0151
<b>Total</b>	<b>0.0832</b>	<b>1.6379</b>	<b>2.0869</b>	<b>3.3900e-003</b>	<b>0.1607</b>	<b>0.0109</b>	<b>0.1717</b>	<b>0.0832</b>	<b>0.0109</b>	<b>0.0941</b>	<b>0.0000</b>	<b>309.9885</b>	<b>309.9885</b>	<b>0.0965</b>	<b>0.0000</b>	<b>312.0151</b>

### 3.4 Grading - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3100e-003	5.0100e-003	0.0476	1.2000e-004	9.9800e-003	8.0000e-005	0.0101	2.6600e-003	7.0000e-005	2.7300e-003	0.0000	8.4116	8.4116	4.3000e-004	0.0000	8.4207
<b>Total</b>	<b>3.3100e-003</b>	<b>5.0100e-003</b>	<b>0.0476</b>	<b>1.2000e-004</b>	<b>9.9800e-003</b>	<b>8.0000e-005</b>	<b>0.0101</b>	<b>2.6600e-003</b>	<b>7.0000e-005</b>	<b>2.7300e-003</b>	<b>0.0000</b>	<b>8.4116</b>	<b>8.4116</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>8.4207</b>

### 3.5 Building Construction - 2018

#### 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	0.0827	0.7211	0.5435	8.3000e-004		0.0463	0.0463		0.0436	0.0436	0.0000	73.3986	73.3986	0.0180	0.0000	73.7758
<b>Total</b>	<b>0.0827</b>	<b>0.7211</b>	<b>0.5435</b>	<b>8.3000e-004</b>		<b>0.0463</b>	<b>0.0463</b>		<b>0.0436</b>	<b>0.0436</b>	<b>0.0000</b>	<b>73.3986</b>	<b>73.3986</b>	<b>0.0180</b>	<b>0.0000</b>	<b>73.7758</b>



### 3.5 Building Construction - 2018

#### 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	0.0604	0.4682	0.7505	1.3600e-003	0.0369	6.9600e-003	0.0438	0.0106	6.4000e-003	0.0170	0.0000	120.1106	120.1106	9.4000e-004	0.0000	120.1303
Worker	0.0460	0.0697	0.6631	1.6600e-003	0.1390	1.0900e-003	0.1401	0.0370	1.0100e-003	0.0380	0.0000	117.1049	117.1049	6.0000e-003	0.0000	117.2308
<b>Total</b>	<b>0.1064</b>	<b>0.5379</b>	<b>1.4136</b>	<b>3.0200e-003</b>	<b>0.1759</b>	<b>8.0500e-003</b>	<b>0.1839</b>	<b>0.0476</b>	<b>7.4100e-003</b>	<b>0.0550</b>	<b>0.0000</b>	<b>237.2155</b>	<b>237.2155</b>	<b>6.9400e-003</b>	<b>0.0000</b>	<b>237.3611</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	0.0208	0.4394	0.5523	8.3000e-004		4.1900e-003	4.1900e-003		4.1900e-003	4.1900e-003	0.0000	73.3985	73.3985	0.0180	0.0000	73.7757
<b>Total</b>	<b>0.0208</b>	<b>0.4394</b>	<b>0.5523</b>	<b>8.3000e-004</b>		<b>4.1900e-003</b>	<b>4.1900e-003</b>		<b>4.1900e-003</b>	<b>4.1900e-003</b>	<b>0.0000</b>	<b>73.3985</b>	<b>73.3985</b>	<b>0.0180</b>	<b>0.0000</b>	<b>73.7757</b>

### 3.5 Building Construction - 2018

#### 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	0.0604	0.4682	0.7505	1.3600e-003	0.0369	6.9600e-003	0.0438	0.0106	6.4000e-003	0.0170	0.0000	120.1106	120.1106	9.4000e-004	0.0000	120.1303
Worker	0.0460	0.0697	0.6631	1.6600e-003	0.1390	1.0900e-003	0.1401	0.0370	1.0100e-003	0.0380	0.0000	117.1049	117.1049	6.0000e-003	0.0000	117.2308
<b>Total</b>	<b>0.1064</b>	<b>0.5379</b>	<b>1.4136</b>	<b>3.0200e-003</b>	<b>0.1759</b>	<b>8.0500e-003</b>	<b>0.1839</b>	<b>0.0476</b>	<b>7.4100e-003</b>	<b>0.0550</b>	<b>0.0000</b>	<b>237.2155</b>	<b>237.2155</b>	<b>6.9400e-003</b>	<b>0.0000</b>	<b>237.3611</b>

### 3.5 Building Construction - 2019

#### 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	0.3680	3.2810	2.6793	4.1900e-003		0.2011	0.2011		0.1891	0.1891	0.0000	366.4021	366.4021	0.0892	0.0000	368.2742
<b>Total</b>	<b>0.3680</b>	<b>3.2810</b>	<b>2.6793</b>	<b>4.1900e-003</b>		<b>0.2011</b>	<b>0.2011</b>		<b>0.1891</b>	<b>0.1891</b>	<b>0.0000</b>	<b>366.4021</b>	<b>366.4021</b>	<b>0.0892</b>	<b>0.0000</b>	<b>368.2742</b>

### 3.5 Building Construction - 2019

#### 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	0.2785	2.1566	3.5844	6.8700e-003	0.1862	0.0326	0.2188	0.0535	0.0300	0.0835	0.0000	595.8912	595.8912	4.6200e-003	0.0000	595.9882
Worker	0.2113	0.3206	3.0379	8.3700e-003	0.7017	5.3700e-003	0.7071	0.1867	4.9800e-003	0.1916	0.0000	569.9676	569.9676	0.0282	0.0000	570.5590
<b>Total</b>	<b>0.4898</b>	<b>2.4772</b>	<b>6.6223</b>	<b>0.0152</b>	<b>0.8879</b>	<b>0.0380</b>	<b>0.9259</b>	<b>0.2401</b>	<b>0.0350</b>	<b>0.2751</b>	<b>0.0000</b>	<b>1,165.8589</b>	<b>1,165.8589</b>	<b>0.0328</b>	<b>0.0000</b>	<b>1,166.5472</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	0.1051	2.2183	2.7881	4.1900e-003		0.0212	0.0212		0.0212	0.0212	0.0000	366.4017	366.4017	0.0892	0.0000	368.2738
<b>Total</b>	<b>0.1051</b>	<b>2.2183</b>	<b>2.7881</b>	<b>4.1900e-003</b>		<b>0.0212</b>	<b>0.0212</b>		<b>0.0212</b>	<b>0.0212</b>	<b>0.0000</b>	<b>366.4017</b>	<b>366.4017</b>	<b>0.0892</b>	<b>0.0000</b>	<b>368.2738</b>

### 3.5 Building Construction - 2019

#### 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	0.2785	2.1566	3.5844	6.8700e-003	0.1862	0.0326	0.2188	0.0535	0.0300	0.0835	0.0000	595.8912	595.8912	4.6200e-003	0.0000	595.9882
Worker	0.2113	0.3206	3.0379	8.3700e-003	0.7017	5.3700e-003	0.7071	0.1867	4.9800e-003	0.1916	0.0000	569.9676	569.9676	0.0282	0.0000	570.5590
<b>Total</b>	<b>0.4898</b>	<b>2.4772</b>	<b>6.6223</b>	<b>0.0152</b>	<b>0.8879</b>	<b>0.0380</b>	<b>0.9259</b>	<b>0.2401</b>	<b>0.0350</b>	<b>0.2751</b>	<b>0.0000</b>	<b>1,165.8589</b>	<b>1,165.8589</b>	<b>0.0328</b>	<b>0.0000</b>	<b>1,166.5472</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3315	2.9962	2.6389	4.2100e-003		0.1747	0.1747		0.1643	0.1643	0.0000	362.1203	362.1203	0.0882	0.0000	363.9731
<b>Total</b>	<b>0.3315</b>	<b>2.9962</b>	<b>2.6389</b>	<b>4.2100e-003</b>		<b>0.1747</b>	<b>0.1747</b>		<b>0.1643</b>	<b>0.1643</b>	<b>0.0000</b>	<b>362.1203</b>	<b>362.1203</b>	<b>0.0882</b>	<b>0.0000</b>	<b>363.9731</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2555	1.8430	3.4222	6.8800e-003	0.1868	0.0292	0.2160	0.0537	0.0269	0.0805	0.0000	584.0049	584.0049	4.4900e-003	0.0000	584.0992
Worker	0.1972	0.2963	2.8106	8.3900e-003	0.7040	5.3200e-003	0.7093	0.1873	4.9300e-003	0.1922	0.0000	548.8592	548.8592	0.0266	0.0000	549.4173
<b>Total</b>	<b>0.4527</b>	<b>2.1392</b>	<b>6.2329</b>	<b>0.0153</b>	<b>0.8907</b>	<b>0.0346</b>	<b>0.9253</b>	<b>0.2409</b>	<b>0.0318</b>	<b>0.2727</b>	<b>0.0000</b>	<b>1,132.8641</b>	<b>1,132.8641</b>	<b>0.0311</b>	<b>0.0000</b>	<b>1,133.5165</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	0.1054	2.2253	2.7970	4.2100e-003		0.0212	0.0212		0.0212	0.0212	0.0000	362.1199	362.1199	0.0882	0.0000	363.9726
<b>Total</b>	<b>0.1054</b>	<b>2.2253</b>	<b>2.7970</b>	<b>4.2100e-003</b>		<b>0.0212</b>	<b>0.0212</b>		<b>0.0212</b>	<b>0.0212</b>	<b>0.0000</b>	<b>362.1199</b>	<b>362.1199</b>	<b>0.0882</b>	<b>0.0000</b>	<b>363.9726</b>

### 3.5 Building Construction - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2555	1.8430	3.4222	6.8800e-003	0.1868	0.0292	0.2160	0.0537	0.0269	0.0805	0.0000	584.0049	584.0049	4.4900e-003	0.0000	584.0992
Worker	0.1972	0.2963	2.8106	8.3900e-003	0.7040	5.3200e-003	0.7093	0.1873	4.9300e-003	0.1922	0.0000	548.8592	548.8592	0.0266	0.0000	549.4173
<b>Total</b>	<b>0.4527</b>	<b>2.1392</b>	<b>6.2329</b>	<b>0.0153</b>	<b>0.8907</b>	<b>0.0346</b>	<b>0.9253</b>	<b>0.2409</b>	<b>0.0318</b>	<b>0.2727</b>	<b>0.0000</b>	<b>1,132.8641</b>	<b>1,132.8641</b>	<b>0.0311</b>	<b>0.0000</b>	<b>1,133.5165</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2963	2.7138	2.5881	4.2000e-003		0.1494	0.1494		0.1405	0.1405	0.0000	361.0099	361.0099	0.0870	0.0000	362.8364
<b>Total</b>	<b>0.2963</b>	<b>2.7138</b>	<b>2.5881</b>	<b>4.2000e-003</b>		<b>0.1494</b>	<b>0.1494</b>		<b>0.1405</b>	<b>0.1405</b>	<b>0.0000</b>	<b>361.0099</b>	<b>361.0099</b>	<b>0.0870</b>	<b>0.0000</b>	<b>362.8364</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2456	1.5082	3.3238	6.8500e-003	0.1862	0.0262	0.2124	0.0535	0.0241	0.0776	0.0000	581.3314	581.3314	4.4700e-003	0.0000	581.4252
Worker	0.1854	0.2748	2.6146	8.3700e-003	0.7017	5.2800e-003	0.7070	0.1867	4.8900e-003	0.1916	0.0000	537.5276	537.5276	0.0251	0.0000	538.0555
<b>Total</b>	<b>0.4310</b>	<b>1.7829</b>	<b>5.9383</b>	<b>0.0152</b>	<b>0.8879</b>	<b>0.0315</b>	<b>0.9194</b>	<b>0.2402</b>	<b>0.0290</b>	<b>0.2691</b>	<b>0.0000</b>	<b>1,118.8590</b>	<b>1,118.8590</b>	<b>0.0296</b>	<b>0.0000</b>	<b>1,119.4807</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	0.1051	2.2183	2.7881	4.2000e-003		0.0212	0.0212		0.0212	0.0212	0.0000	361.0095	361.0095	0.0870	0.0000	362.8359
<b>Total</b>	<b>0.1051</b>	<b>2.2183</b>	<b>2.7881</b>	<b>4.2000e-003</b>		<b>0.0212</b>	<b>0.0212</b>		<b>0.0212</b>	<b>0.0212</b>	<b>0.0000</b>	<b>361.0095</b>	<b>361.0095</b>	<b>0.0870</b>	<b>0.0000</b>	<b>362.8359</b>

### 3.5 Building Construction - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2456	1.5082	3.3238	6.8500e-003	0.1862	0.0262	0.2124	0.0535	0.0241	0.0776	0.0000	581.3314	581.3314	4.4700e-003	0.0000	581.4252
Worker	0.1854	0.2748	2.6146	8.3700e-003	0.7017	5.2800e-003	0.7070	0.1867	4.8900e-003	0.1916	0.0000	537.5276	537.5276	0.0251	0.0000	538.0555
<b>Total</b>	<b>0.4310</b>	<b>1.7829</b>	<b>5.9383</b>	<b>0.0152</b>	<b>0.8879</b>	<b>0.0315</b>	<b>0.9194</b>	<b>0.2402</b>	<b>0.0290</b>	<b>0.2691</b>	<b>0.0000</b>	<b>1,118.8590</b>	<b>1,118.8590</b>	<b>0.0296</b>	<b>0.0000</b>	<b>1,119.4807</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0459	0.4195	0.4408	7.2000e-004		0.0218	0.0218		0.0205	0.0205	0.0000	62.3066	62.3066	0.0149	0.0000	62.6196
<b>Total</b>	<b>0.0459</b>	<b>0.4195</b>	<b>0.4408</b>	<b>7.2000e-004</b>		<b>0.0218</b>	<b>0.0218</b>		<b>0.0205</b>	<b>0.0205</b>	<b>0.0000</b>	<b>62.3066</b>	<b>62.3066</b>	<b>0.0149</b>	<b>0.0000</b>	<b>62.6196</b>



### 3.5 Building Construction - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0405	0.2297	0.5465	1.1800e-003	0.0321	4.4500e-003	0.0366	9.2300e-003	4.0900e-003	0.0133	0.0000	100.2017	100.2017	7.9000e-004	0.0000	100.2183
Worker	0.0302	0.0443	0.4217	1.4400e-003	0.1211	9.1000e-004	0.1220	0.0322	8.4000e-004	0.0330	0.0000	91.2233	91.2233	4.1300e-003	0.0000	91.3101
<b>Total</b>	<b>0.0708</b>	<b>0.2740</b>	<b>0.9682</b>	<b>2.6200e-003</b>	<b>0.1532</b>	<b>5.3600e-003</b>	<b>0.1586</b>	<b>0.0414</b>	<b>4.9300e-003</b>	<b>0.0464</b>	<b>0.0000</b>	<b>191.4250</b>	<b>191.4250</b>	<b>4.9200e-003</b>	<b>0.0000</b>	<b>191.5283</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	0.0181	0.3827	0.4810	7.2000e-004		3.6500e-003	3.6500e-003		3.6500e-003	3.6500e-003	0.0000	62.3065	62.3065	0.0149	0.0000	62.6195
<b>Total</b>	<b>0.0181</b>	<b>0.3827</b>	<b>0.4810</b>	<b>7.2000e-004</b>		<b>3.6500e-003</b>	<b>3.6500e-003</b>		<b>3.6500e-003</b>	<b>3.6500e-003</b>	<b>0.0000</b>	<b>62.3065</b>	<b>62.3065</b>	<b>0.0149</b>	<b>0.0000</b>	<b>62.6195</b>

### 3.5 Building Construction - 2022

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0405	0.2297	0.5465	1.1800e-003	0.0321	4.4500e-003	0.0366	9.2300e-003	4.0900e-003	0.0133	0.0000	100.2017	100.2017	7.9000e-004	0.0000	100.2183
Worker	0.0302	0.0443	0.4217	1.4400e-003	0.1211	9.1000e-004	0.1220	0.0322	8.4000e-004	0.0330	0.0000	91.2233	91.2233	4.1300e-003	0.0000	91.3101
<b>Total</b>	<b>0.0708</b>	<b>0.2740</b>	<b>0.9682</b>	<b>2.6200e-003</b>	<b>0.1532</b>	<b>5.3600e-003</b>	<b>0.1586</b>	<b>0.0414</b>	<b>4.9300e-003</b>	<b>0.0464</b>	<b>0.0000</b>	<b>191.4250</b>	<b>191.4250</b>	<b>4.9200e-003</b>	<b>0.0000</b>	<b>191.5283</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	0.0422	0.4255	0.5570	8.7000e-004		0.0218	0.0218		0.0200	0.0200	0.0000	76.4455	76.4455	0.0247	0.0000	76.9648
Paving	0.0160					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0582</b>	<b>0.4255</b>	<b>0.5570</b>	<b>8.7000e-004</b>		<b>0.0218</b>	<b>0.0218</b>		<b>0.0200</b>	<b>0.0200</b>	<b>0.0000</b>	<b>76.4455</b>	<b>76.4455</b>	<b>0.0247</b>	<b>0.0000</b>	<b>76.9648</b>

### 3.6 Paving - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3300e-003	1.9400e-003	0.0185	6.0000e-005	5.3100e-003	4.0000e-005	5.3500e-003	1.4100e-003	4.0000e-005	1.4500e-003	0.0000	4.0010	4.0010	1.8000e-004	0.0000	4.0048
<b>Total</b>	<b>1.3300e-003</b>	<b>1.9400e-003</b>	<b>0.0185</b>	<b>6.0000e-005</b>	<b>5.3100e-003</b>	<b>4.0000e-005</b>	<b>5.3500e-003</b>	<b>1.4100e-003</b>	<b>4.0000e-005</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>4.0010</b>	<b>4.0010</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>4.0048</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	0.0214	0.4315	0.6602	8.7000e-004		3.5000e-003	3.5000e-003		3.5000e-003	3.5000e-003	0.0000	76.4455	76.4455	0.0247	0.0000	76.9647
Paving	0.0160					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0374</b>	<b>0.4315</b>	<b>0.6602</b>	<b>8.7000e-004</b>		<b>3.5000e-003</b>	<b>3.5000e-003</b>		<b>3.5000e-003</b>	<b>3.5000e-003</b>	<b>0.0000</b>	<b>76.4455</b>	<b>76.4455</b>	<b>0.0247</b>	<b>0.0000</b>	<b>76.9647</b>

### 3.6 Paving - 2022

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3300e-003	1.9400e-003	0.0185	6.0000e-005	5.3100e-003	4.0000e-005	5.3500e-003	1.4100e-003	4.0000e-005	1.4500e-003	0.0000	4.0010	4.0010	1.8000e-004	0.0000	4.0048
<b>Total</b>	<b>1.3300e-003</b>	<b>1.9400e-003</b>	<b>0.0185</b>	<b>6.0000e-005</b>	<b>5.3100e-003</b>	<b>4.0000e-005</b>	<b>5.3500e-003</b>	<b>1.4100e-003</b>	<b>4.0000e-005</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>4.0010</b>	<b>4.0010</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>4.0048</b>

### 3.7 Architectural Coating - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	8.2841					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9800e-003	0.0549	0.0707	1.2000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	9.9577	9.9577	6.5000e-004	0.0000	9.9713
<b>Total</b>	<b>8.2921</b>	<b>0.0549</b>	<b>0.0707</b>	<b>1.2000e-004</b>		<b>3.1900e-003</b>	<b>3.1900e-003</b>		<b>3.1900e-003</b>	<b>3.1900e-003</b>	<b>0.0000</b>	<b>9.9577</b>	<b>9.9577</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>9.9713</b>

### 3.7 Architectural Coating - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	8.7500e-003	0.0128	0.1221	4.2000e-004	0.0350	2.6000e-004	0.0353	9.3200e-003	2.4000e-004	9.5700e-003	0.0000	26.4067	26.4067	1.2000e-003	0.0000	26.4319	
<b>Total</b>	<b>8.7500e-003</b>	<b>0.0128</b>	<b>0.1221</b>	<b>4.2000e-004</b>	<b>0.0350</b>	<b>2.6000e-004</b>	<b>0.0353</b>	<b>9.3200e-003</b>	<b>2.4000e-004</b>	<b>9.5700e-003</b>	<b>0.0000</b>	<b>26.4067</b>	<b>26.4067</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>26.4319</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	8.2841					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3200e-003	0.0529	0.0715	1.2000e-004		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	9.9577	9.9577	6.5000e-004	0.0000	9.9713
<b>Total</b>	<b>8.2864</b>	<b>0.0529</b>	<b>0.0715</b>	<b>1.2000e-004</b>		<b>5.6000e-004</b>	<b>5.6000e-004</b>		<b>5.6000e-004</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>9.9577</b>	<b>9.9577</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>9.9713</b>

### 3.7 Architectural Coating - 2022

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.7500e-003	0.0128	0.1221	4.2000e-004	0.0350	2.6000e-004	0.0353	9.3200e-003	2.4000e-004	9.5700e-003	0.0000	26.4067	26.4067	1.2000e-003	0.0000	26.4319
<b>Total</b>	<b>8.7500e-003</b>	<b>0.0128</b>	<b>0.1221</b>	<b>4.2000e-004</b>	<b>0.0350</b>	<b>2.6000e-004</b>	<b>0.0353</b>	<b>9.3200e-003</b>	<b>2.4000e-004</b>	<b>9.5700e-003</b>	<b>0.0000</b>	<b>26.4067</b>	<b>26.4067</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>26.4319</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	1.1113	2.5614	11.6936	0.0325	2.1059	0.0515	2.1573	0.5660	0.0475	0.6135	0.0000	2,234.1414	2,234.1414	0.0667	0.0000	2,235.5420
Unmitigated	1.1113	2.5614	11.6936	0.0325	2.1059	0.0515	2.1573	0.5660	0.0475	0.6135	0.0000	2,234.1414	2,234.1414	0.0667	0.0000	2,235.5420

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	15.26	15.26	15.26	32,586	32,586
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	2,516.91	2,651.04	2306.51	5,594,341	5,594,341
<b>Total</b>	<b>2,532.17</b>	<b>2,666.30</b>	<b>2,321.77</b>	<b>5,626,928</b>	<b>5,626,928</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-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.540708	0.062029	0.166535	0.109313	0.030530	0.004548	0.019619	0.054044	0.001811	0.003599	0.005676	0.000189	0.001400

**5.0 Energy Detail**

**5.1 Fleet Mix**

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	532.0463	532.0463	0.0241	4.9800e-003	534.0945
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	532.0463	532.0463	0.0241	4.9800e-003	534.0945
NaturalGas Mitigated	0.0724	0.6183	0.2631	3.9500e-003		0.0500	0.0500		0.0500	0.0500	0.0000	716.0495	716.0495	0.0137	0.0131	720.4072
NaturalGas Unmitigated	0.0724	0.6183	0.2631	3.9500e-003		0.0500	0.0500		0.0500	0.0500	0.0000	716.0495	716.0495	0.0137	0.0131	720.4072

**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					
City Park	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.34183e+007	0.0724	0.6183	0.2631	3.9500e-003		0.0500	0.0500		0.0500	0.0500	0.0000	716.0495	716.0495	0.0137	0.0131	720.4072
<b>Total</b>		<b>0.0724</b>	<b>0.6183</b>	<b>0.2631</b>	<b>3.9500e-003</b>		<b>0.0500</b>	<b>0.0500</b>		<b>0.0500</b>	<b>0.0500</b>	<b>0.0000</b>	<b>716.0495</b>	<b>716.0495</b>	<b>0.0137</b>	<b>0.0131</b>	<b>720.4072</b>



### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.34183e+007	0.0724	0.6183	0.2631	3.9500e-003		0.0500	0.0500		0.0500	0.0500	0.0000	716.0495	716.0495	0.0137	0.0131	720.4072
City Park	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>0.0724</b>	<b>0.6183</b>	<b>0.2631</b>	<b>3.9500e-003</b>		<b>0.0500</b>	<b>0.0500</b>		<b>0.0500</b>	<b>0.0500</b>	<b>0.0000</b>	<b>716.0495</b>	<b>716.0495</b>	<b>0.0137</b>	<b>0.0131</b>	<b>720.4072</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.82889e+006	532.0463	0.0241	4.9800e-003	534.0945
<b>Total</b>		<b>532.0463</b>	<b>0.0241</b>	<b>4.9800e-003</b>	<b>534.0945</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.82889e+006	532.0463	0.0241	4.9800e-003	534.0945
<b>Total</b>		<b>532.0463</b>	<b>0.0241</b>	<b>4.9800e-003</b>	<b>534.0945</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	7.9908	0.0516	4.3287	2.6000e-003		0.3571	0.3571		0.3571	0.3571	36.3884	13.3864	49.7748	0.0814	1.9200e-003	52.0800
Unmitigated	7.9908	0.0516	4.3287	2.6000e-003		0.3571	0.3571		0.3571	0.3571	36.3884	13.3864	49.7748	0.0814	1.9200e-003	52.0800

### 6.2 Area by SubCategory

#### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.8284					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.5576					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5461	0.0291	2.3765	2.5000e-003		0.3462	0.3462		0.3462	0.3462	36.3884	10.1961	46.5845	0.0783	1.9200e-003	48.8255
Landscaping	0.0587	0.0225	1.9522	1.0000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	3.1903	3.1903	3.0600e-003	0.0000	3.2546
<b>Total</b>	<b>7.9908</b>	<b>0.0516</b>	<b>4.3287</b>	<b>2.6000e-003</b>		<b>0.3571</b>	<b>0.3571</b>		<b>0.3571</b>	<b>0.3571</b>	<b>36.3884</b>	<b>13.3864</b>	<b>49.7748</b>	<b>0.0814</b>	<b>1.9200e-003</b>	<b>52.0800</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.8284					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.5576					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5461	0.0291	2.3765	2.5000e-003		0.3462	0.3462		0.3462	0.3462	36.3884	10.1961	46.5845	0.0783	1.9200e-003	48.8255
Landscaping	0.0587	0.0225	1.9522	1.0000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	3.1903	3.1903	3.0600e-003	0.0000	3.2546
<b>Total</b>	<b>7.9908</b>	<b>0.0516</b>	<b>4.3287</b>	<b>2.6000e-003</b>		<b>0.3571</b>	<b>0.3571</b>		<b>0.3571</b>	<b>0.3571</b>	<b>36.3884</b>	<b>13.3864</b>	<b>49.7748</b>	<b>0.0814</b>	<b>1.9200e-003</b>	<b>52.0800</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	55.0553	0.5605	0.0136	71.0503
Unmitigated	55.0553	0.5606	0.0137	71.0590

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 11.4382	11.6463	5.3000e-004	1.1000e-004	11.6911
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	17.1355 / 10.8028	43.4090	0.5601	0.0135	59.3679
<b>Total</b>		<b>55.0553</b>	<b>0.5606</b>	<b>0.0137</b>	<b>71.0590</b>

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 11.4382	11.6463	5.3000e-004	1.1000e-004	11.6911
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	17.1355 / 10.8028	43.4090	0.5600	0.0135	59.3592
<b>Total</b>		<b>55.0553</b>	<b>0.5605</b>	<b>0.0136</b>	<b>71.0503</b>

## 8.0 Waste Detail

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## 8.1 Mitigation Measures Waste

### Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	64.2812	3.7989	0.0000	144.0582
Unmitigated	64.2812	3.7989	0.0000	144.0582

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.83	0.1685	9.9600e-003	0.0000	0.3776
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	315.84	64.1127	3.7890	0.0000	143.6806
<b>Total</b>		<b>64.2812</b>	<b>3.7989</b>	<b>0.0000</b>	<b>144.0582</b>

## 8.2 Waste by Land Use

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.83	0.1685	9.9600e-003	0.0000	0.3776
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	315.84	64.1127	3.7890	0.0000	143.6806
<b>Total</b>		<b>64.2812</b>	<b>3.7989</b>	<b>0.0000</b>	<b>144.0582</b>

## 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 Vegetation

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	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-211.1900	0.0000	0.0000	-211.1900

### 10.1 Vegetation Land Change

#### Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Grassland	49 / 0	-211.1900	0.0000	0.0000	-211.1900
<b>Total</b>		<b>-211.1900</b>	<b>0.0000</b>	<b>0.0000</b>	<b>-211.1900</b>



**Oak Knoll - Phase III**  
**Alameda County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.20	Acre	3.20	139,392.00	0
City Park	3.60	Acre	3.60	156,816.00	0
Condo/Townhouse	340.00	Dwelling Unit	21.00	340,000.00	972

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	63
<b>Climate Zone</b>	5			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<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 - Project specific data.

Construction Phase - Project specific schedule.

Grading - Project specific data.

Architectural Coating -

Construction Off-road Equipment Mitigation - Construction Mitigation.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	DPF	No Change	Level 3

tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3

tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstructionPhase	NumDays	30.00	44.00
tblConstructionPhase	NumDays	45.00	66.00
tblConstructionPhase	NumDays	35.00	51.00
tblConstructionPhase	NumDays	20.00	29.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	AcresOfGrading	165.00	27.80
tblGrading	AcresOfGrading	0.00	27.80
tblLandUse	LotAcreage	21.25	21.00

tblProjectCharacteristics	OperationalYear	2014	2024
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## 2.0 Emissions Summary

### 2.1 Overall Construction

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.3610	3.4634	3.3479	5.5800e-003	0.5893	0.1631	0.7523	0.2830	0.1509	0.4339	0.0000	463.9882	463.9882	0.1121	0.0000	466.3411
2021	0.5482	3.6157	6.0766	0.0136	0.6102	0.1655	0.7757	0.1641	0.1553	0.3194	0.0000	1,031.0733	1,031.0733	0.1078	0.0000	1,033.3374
2022	0.4800	3.1118	5.5508	0.0128	0.5613	0.1374	0.6987	0.1510	0.1289	0.2798	0.0000	966.1340	966.1340	0.1059	0.0000	968.3570
2023	3.9620	0.1647	0.2862	5.8000e-004	0.0188	8.2100e-003	0.0270	5.0100e-003	7.7000e-003	0.0127	0.0000	44.9862	44.9862	8.9300e-003	0.0000	45.1737
<b>Total</b>	<b>5.3512</b>	<b>10.3556</b>	<b>15.2615</b>	<b>0.0326</b>	<b>1.7795</b>	<b>0.4741</b>	<b>2.2537</b>	<b>0.6032</b>	<b>0.4427</b>	<b>1.0459</b>	<b>0.0000</b>	<b>2,506.1817</b>	<b>2,506.1817</b>	<b>0.3347</b>	<b>0.0000</b>	<b>2,513.2092</b>



**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	3.2181	0.0336	2.9008	4.6000e-004		0.0689	0.0689		0.0689	0.0689	5.5649	13.1140	18.6790	0.0143	4.6000e-004	19.1229
Energy	0.0445	0.3805	0.1619	2.4300e-003		0.0308	0.0308		0.0308	0.0308	0.0000	862.3188	862.3188	0.0275	0.0120	866.6239
Mobile	0.9912	2.2848	10.4305	0.0290	1.8785	0.0459	1.9245	0.5049	0.0424	0.5473	0.0000	1,992.9455	1,992.9455	0.0595	0.0000	1,994.1948
Waste						0.0000	0.0000		0.0000	0.0000	31.8107	0.0000	31.8107	1.8800	0.0000	71.2899
Water						0.0000	0.0000		0.0000	0.0000	7.0279	53.4576	60.4855	0.7243	0.0175	81.1335
<b>Total</b>	<b>4.2538</b>	<b>2.6989</b>	<b>13.4932</b>	<b>0.0319</b>	<b>1.8785</b>	<b>0.1456</b>	<b>2.0241</b>	<b>0.5049</b>	<b>0.1420</b>	<b>0.6469</b>	<b>44.4036</b>	<b>2,921.8358</b>	<b>2,966.2394</b>	<b>2.7055</b>	<b>0.0300</b>	<b>3,032.3650</b>

## 2.2 Overall Operational

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.2181	0.0336	2.9008	4.6000e-004		0.0689	0.0689		0.0689	0.0689	5.5649	13.1140	18.6790	0.0143	4.6000e-004	19.1229
Energy	0.0445	0.3805	0.1619	2.4300e-003		0.0308	0.0308		0.0308	0.0308	0.0000	862.3188	862.3188	0.0275	0.0120	866.6239
Mobile	0.9912	2.2848	10.4305	0.0290	1.8785	0.0459	1.9245	0.5049	0.0424	0.5473	0.0000	1,992.9455	1,992.9455	0.0595	0.0000	1,994.1948
Waste						0.0000	0.0000		0.0000	0.0000	31.8107	0.0000	31.8107	1.8800	0.0000	71.2899
Water						0.0000	0.0000		0.0000	0.0000	7.0279	53.4576	60.4855	0.7241	0.0175	81.1223
<b>Total</b>	<b>4.2538</b>	<b>2.6989</b>	<b>13.4932</b>	<b>0.0319</b>	<b>1.8785</b>	<b>0.1456</b>	<b>2.0241</b>	<b>0.5049</b>	<b>0.1420</b>	<b>0.6469</b>	<b>44.4036</b>	<b>2,921.8358</b>	<b>2,966.2394</b>	<b>2.7054</b>	<b>0.0300</b>	<b>3,032.3538</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>0.00</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>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.07</b>	<b>0.00</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	6/1/2020	7/21/2020	6	44	
2	Site Preparation	Site Preparation	7/22/2020	8/24/2020	6	29	
3	Grading	Grading	8/25/2020	11/9/2020	6	66	
4	Building Construction	Building Construction	11/10/2020	12/1/2022	6	645	
5	Paving	Paving	12/2/2022	1/30/2023	6	51	
6	Architectural Coating	Architectural Coating	1/31/2023	3/30/2023	6	51	

**Acres of Grading (Site Preparation Phase): 27.8**

**Acres of Grading (Grading Phase): 27.8**

**Acres of Paving: 0**

**Residential Indoor: 688,500; Residential Outdoor: 229,500; Non-Residential Indoor: 444,312; Non-Residential Outdoor: 148,104 (Architectural Coating – sqft)**

**OffRoad Equipment**



Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	369.00	85.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	74.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Clean Paved Roads

### 3.2 Demolition - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0681	0.6823	0.6514	8.8000e-004		0.0328	0.0328		0.0305	0.0305	0.0000	76.9811	76.9811	0.0218	0.0000	77.4393
<b>Total</b>	<b>0.0681</b>	<b>0.6823</b>	<b>0.6514</b>	<b>8.8000e-004</b>		<b>0.0328</b>	<b>0.0328</b>		<b>0.0305</b>	<b>0.0305</b>	<b>0.0000</b>	<b>76.9811</b>	<b>76.9811</b>	<b>0.0218</b>	<b>0.0000</b>	<b>77.4393</b>

### 3.2 Demolition - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	8.4000e-004	1.2600e-003	0.0120	4.0000e-005	3.0000e-003	2.0000e-005	3.0200e-003	8.0000e-004	2.0000e-005	8.2000e-004	0.0000	2.3353	2.3353	1.1000e-004	0.0000	2.3377
<b>Total</b>	<b>8.4000e-004</b>	<b>1.2600e-003</b>	<b>0.0120</b>	<b>4.0000e-005</b>	<b>3.0000e-003</b>	<b>2.0000e-005</b>	<b>3.0200e-003</b>	<b>8.0000e-004</b>	<b>2.0000e-005</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>2.3353</b>	<b>2.3353</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>2.3377</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	0.0209	0.4128	0.5558	8.8000e-004		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003	0.0000	76.9810	76.9810	0.0218	0.0000	77.4392
<b>Total</b>	<b>0.0209</b>	<b>0.4128</b>	<b>0.5558</b>	<b>8.8000e-004</b>		<b>2.9100e-003</b>	<b>2.9100e-003</b>		<b>2.9100e-003</b>	<b>2.9100e-003</b>	<b>0.0000</b>	<b>76.9810</b>	<b>76.9810</b>	<b>0.0218</b>	<b>0.0000</b>	<b>77.4392</b>

### 3.2 Demolition - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	8.4000e-004	1.2600e-003	0.0120	4.0000e-005	3.0000e-003	2.0000e-005	3.0200e-003	8.0000e-004	2.0000e-005	8.2000e-004	0.0000	2.3353	2.3353	1.1000e-004	0.0000	2.3377
<b>Total</b>	<b>8.4000e-004</b>	<b>1.2600e-003</b>	<b>0.0120</b>	<b>4.0000e-005</b>	<b>3.0000e-003</b>	<b>2.0000e-005</b>	<b>3.0200e-003</b>	<b>8.0000e-004</b>	<b>2.0000e-005</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>2.3353</b>	<b>2.3353</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>2.3377</b>

### 3.3 Site Preparation - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2767	0.0000	0.2767	0.1456	0.0000	0.1456	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0540	0.5635	0.4774	5.7000e-004		0.0280	0.0280		0.0258	0.0258	0.0000	49.8844	49.8844	0.0161	0.0000	50.2232
<b>Total</b>	<b>0.0540</b>	<b>0.5635</b>	<b>0.4774</b>	<b>5.7000e-004</b>	<b>0.2767</b>	<b>0.0280</b>	<b>0.3047</b>	<b>0.1456</b>	<b>0.0258</b>	<b>0.1714</b>	<b>0.0000</b>	<b>49.8844</b>	<b>49.8844</b>	<b>0.0161</b>	<b>0.0000</b>	<b>50.2232</b>

### 3.3 Site Preparation - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	1.0000e-003	9.4600e-003	3.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	1.8470	1.8470	9.0000e-005	0.0000	1.8489
<b>Total</b>	<b>6.6000e-004</b>	<b>1.0000e-003</b>	<b>9.4600e-003</b>	<b>3.0000e-005</b>	<b>2.3700e-003</b>	<b>2.0000e-005</b>	<b>2.3900e-003</b>	<b>6.3000e-004</b>	<b>2.0000e-005</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>1.8470</b>	<b>1.8470</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.8489</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					0.1245	0.0000	0.1245	0.0655	0.0000	0.0655	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0138	0.2822	0.3393	5.7000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	49.8843	49.8843	0.0161	0.0000	50.2231
<b>Total</b>	<b>0.0138</b>	<b>0.2822</b>	<b>0.3393</b>	<b>5.7000e-004</b>	<b>0.1245</b>	<b>2.0900e-003</b>	<b>0.1266</b>	<b>0.0655</b>	<b>2.0900e-003</b>	<b>0.0676</b>	<b>0.0000</b>	<b>49.8843</b>	<b>49.8843</b>	<b>0.0161</b>	<b>0.0000</b>	<b>50.2231</b>

### 3.3 Site Preparation - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	1.0000e-003	9.4600e-003	3.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	1.8470	1.8470	9.0000e-005	0.0000	1.8489
<b>Total</b>	<b>6.6000e-004</b>	<b>1.0000e-003</b>	<b>9.4600e-003</b>	<b>3.0000e-005</b>	<b>2.3700e-003</b>	<b>2.0000e-005</b>	<b>2.3900e-003</b>	<b>6.3000e-004</b>	<b>2.0000e-005</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>1.8470</b>	<b>1.8470</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.8489</b>

### 3.4 Grading - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2135	0.0000	0.2135	0.1108	0.0000	0.1108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1502	1.6297	1.2681	2.0400e-003		0.0746	0.0746		0.0687	0.0687	0.0000	178.9553	178.9553	0.0579	0.0000	180.1707
<b>Total</b>	<b>0.1502</b>	<b>1.6297</b>	<b>1.2681</b>	<b>2.0400e-003</b>	<b>0.2135</b>	<b>0.0746</b>	<b>0.2881</b>	<b>0.1108</b>	<b>0.0687</b>	<b>0.1795</b>	<b>0.0000</b>	<b>178.9553</b>	<b>178.9553</b>	<b>0.0579</b>	<b>0.0000</b>	<b>180.1707</b>

### 3.4 Grading - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	1.6800e-003	2.5200e-003	0.0239	7.0000e-005	5.9900e-003	5.0000e-005	6.0400e-003	1.5900e-003	4.0000e-005	1.6400e-003	0.0000	4.6707	4.6707	2.3000e-004	0.0000	4.6754	
<b>Total</b>	<b>1.6800e-003</b>	<b>2.5200e-003</b>	<b>0.0239</b>	<b>7.0000e-005</b>	<b>5.9900e-003</b>	<b>5.0000e-005</b>	<b>6.0400e-003</b>	<b>1.5900e-003</b>	<b>4.0000e-005</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>4.6707</b>	<b>4.6707</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>4.6754</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					0.0961	0.0000	0.0961	0.0499	0.0000	0.0499	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0499	0.9827	1.2521	2.0400e-003		6.5500e-003	6.5500e-003		6.5500e-003	6.5500e-003	0.0000	178.9550	178.9550	0.0579	0.0000	180.1705
<b>Total</b>	<b>0.0499</b>	<b>0.9827</b>	<b>1.2521</b>	<b>2.0400e-003</b>	<b>0.0961</b>	<b>6.5500e-003</b>	<b>0.1026</b>	<b>0.0499</b>	<b>6.5500e-003</b>	<b>0.0564</b>	<b>0.0000</b>	<b>178.9550</b>	<b>178.9550</b>	<b>0.0579</b>	<b>0.0000</b>	<b>180.1705</b>

### 3.4 Grading - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.6800e-003	2.5200e-003	0.0239	7.0000e-005	5.9900e-003	5.0000e-005	6.0400e-003	1.5900e-003	4.0000e-005	1.6400e-003	0.0000	4.6707	4.6707	2.3000e-004	0.0000	4.6754
<b>Total</b>	<b>1.6800e-003</b>	<b>2.5200e-003</b>	<b>0.0239</b>	<b>7.0000e-005</b>	<b>5.9900e-003</b>	<b>5.0000e-005</b>	<b>6.0400e-003</b>	<b>1.5900e-003</b>	<b>4.0000e-005</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>4.6707</b>	<b>4.6707</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>4.6754</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0475	0.4294	0.3782	6.0000e-004		0.0250	0.0250		0.0236	0.0236	0.0000	51.8962	51.8962	0.0126	0.0000	52.1617
<b>Total</b>	<b>0.0475</b>	<b>0.4294</b>	<b>0.3782</b>	<b>6.0000e-004</b>		<b>0.0250</b>	<b>0.0250</b>		<b>0.0236</b>	<b>0.0236</b>	<b>0.0000</b>	<b>51.8962</b>	<b>51.8962</b>	<b>0.0126</b>	<b>0.0000</b>	<b>52.1617</b>



### 3.5 Building Construction - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0169	0.1220	0.2266	4.6000e-004	0.0124	1.9300e-003	0.0143	3.5500e-003	1.7800e-003	5.3300e-003	0.0000	38.6634	38.6634	3.0000e-004	0.0000	38.6697
Worker	0.0211	0.0317	0.3009	9.0000e-004	0.0754	5.7000e-004	0.0759	0.0201	5.3000e-004	0.0206	0.0000	58.7548	58.7548	2.8500e-003	0.0000	58.8145
<b>Total</b>	<b>0.0380</b>	<b>0.1537</b>	<b>0.5274</b>	<b>1.3600e-003</b>	<b>0.0877</b>	<b>2.5000e-003</b>	<b>0.0902</b>	<b>0.0236</b>	<b>2.3100e-003</b>	<b>0.0259</b>	<b>0.0000</b>	<b>97.4182</b>	<b>97.4182</b>	<b>3.1500e-003</b>	<b>0.0000</b>	<b>97.4842</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	0.0151	0.3189	0.4009	6.0000e-004		3.0400e-003	3.0400e-003		3.0400e-003	3.0400e-003	0.0000	51.8962	51.8962	0.0126	0.0000	52.1617
<b>Total</b>	<b>0.0151</b>	<b>0.3189</b>	<b>0.4009</b>	<b>6.0000e-004</b>		<b>3.0400e-003</b>	<b>3.0400e-003</b>		<b>3.0400e-003</b>	<b>3.0400e-003</b>	<b>0.0000</b>	<b>51.8962</b>	<b>51.8962</b>	<b>0.0126</b>	<b>0.0000</b>	<b>52.1617</b>

### 3.5 Building Construction - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0169	0.1220	0.2266	4.6000e-004	0.0124	1.9300e-003	0.0143	3.5500e-003	1.7800e-003	5.3300e-003	0.0000	38.6634	38.6634	3.0000e-004	0.0000	38.6697
Worker	0.0211	0.0317	0.3009	9.0000e-004	0.0754	5.7000e-004	0.0759	0.0201	5.3000e-004	0.0206	0.0000	58.7548	58.7548	2.8500e-003	0.0000	58.8145
<b>Total</b>	<b>0.0380</b>	<b>0.1537</b>	<b>0.5274</b>	<b>1.3600e-003</b>	<b>0.0877</b>	<b>2.5000e-003</b>	<b>0.0902</b>	<b>0.0236</b>	<b>2.3100e-003</b>	<b>0.0259</b>	<b>0.0000</b>	<b>97.4182</b>	<b>97.4182</b>	<b>3.1500e-003</b>	<b>0.0000</b>	<b>97.4842</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2963	2.7138	2.5881	4.2000e-003		0.1494	0.1494		0.1405	0.1405	0.0000	361.0099	361.0099	0.0870	0.0000	362.8364
<b>Total</b>	<b>0.2963</b>	<b>2.7138</b>	<b>2.5881</b>	<b>4.2000e-003</b>		<b>0.1494</b>	<b>0.1494</b>		<b>0.1405</b>	<b>0.1405</b>	<b>0.0000</b>	<b>361.0099</b>	<b>361.0099</b>	<b>0.0870</b>	<b>0.0000</b>	<b>362.8364</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1135	0.6967	1.5354	3.1600e-003	0.0860	0.0121	0.0981	0.0247	0.0111	0.0358	0.0000	268.5498	268.5498	2.0600e-003	0.0000	268.5932
Worker	0.1385	0.2053	1.9530	6.2500e-003	0.5242	3.9400e-003	0.5281	0.1394	3.6500e-003	0.1431	0.0000	401.5135	401.5135	0.0188	0.0000	401.9079
<b>Total</b>	<b>0.2520</b>	<b>0.9020</b>	<b>3.4884</b>	<b>9.4100e-003</b>	<b>0.6102</b>	<b>0.0160</b>	<b>0.6262</b>	<b>0.1641</b>	<b>0.0148</b>	<b>0.1789</b>	<b>0.0000</b>	<b>670.0634</b>	<b>670.0634</b>	<b>0.0208</b>	<b>0.0000</b>	<b>670.5010</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	0.1051	2.2183	2.7881	4.2000e-003		0.0212	0.0212		0.0212	0.0212	0.0000	361.0095	361.0095	0.0870	0.0000	362.8359
<b>Total</b>	<b>0.1051</b>	<b>2.2183</b>	<b>2.7881</b>	<b>4.2000e-003</b>		<b>0.0212</b>	<b>0.0212</b>		<b>0.0212</b>	<b>0.0212</b>	<b>0.0000</b>	<b>361.0095</b>	<b>361.0095</b>	<b>0.0870</b>	<b>0.0000</b>	<b>362.8359</b>

### 3.5 Building Construction - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1135	0.6967	1.5354	3.1600e-003	0.0860	0.0121	0.0981	0.0247	0.0111	0.0358	0.0000	268.5498	268.5498	2.0600e-003	0.0000	268.5932
Worker	0.1385	0.2053	1.9530	6.2500e-003	0.5242	3.9400e-003	0.5281	0.1394	3.6500e-003	0.1431	0.0000	401.5135	401.5135	0.0188	0.0000	401.9079
<b>Total</b>	<b>0.2520</b>	<b>0.9020</b>	<b>3.4884</b>	<b>9.4100e-003</b>	<b>0.6102</b>	<b>0.0160</b>	<b>0.6262</b>	<b>0.1641</b>	<b>0.0148</b>	<b>0.1789</b>	<b>0.0000</b>	<b>670.0634</b>	<b>670.0634</b>	<b>0.0208</b>	<b>0.0000</b>	<b>670.5010</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2438	2.2295	2.3430	3.8500e-003		0.1156	0.1156		0.1088	0.1088	0.0000	331.1479	331.1479	0.0792	0.0000	332.8115
<b>Total</b>	<b>0.2438</b>	<b>2.2295</b>	<b>2.3430</b>	<b>3.8500e-003</b>		<b>0.1156</b>	<b>0.1156</b>		<b>0.1088</b>	<b>0.1088</b>	<b>0.0000</b>	<b>331.1479</b>	<b>331.1479</b>	<b>0.0792</b>	<b>0.0000</b>	<b>332.8115</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0995	0.5640	1.3418	2.9000e-003	0.0789	0.0109	0.0898	0.0227	0.0101	0.0327	0.0000	246.0166	246.0166	1.9300e-003	0.0000	246.0572
Worker	0.1200	0.1758	1.6742	5.7300e-003	0.4806	3.6000e-003	0.4842	0.1278	3.3400e-003	0.1312	0.0000	362.1540	362.1540	0.0164	0.0000	362.4985
<b>Total</b>	<b>0.2195</b>	<b>0.7399</b>	<b>3.0160</b>	<b>8.6300e-003</b>	<b>0.5595</b>	<b>0.0145</b>	<b>0.5740</b>	<b>0.1505</b>	<b>0.0134</b>	<b>0.1639</b>	<b>0.0000</b>	<b>608.1706</b>	<b>608.1706</b>	<b>0.0183</b>	<b>0.0000</b>	<b>608.5557</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	0.0963	2.0340	2.5565	3.8500e-003		0.0194	0.0194		0.0194	0.0194	0.0000	331.1475	331.1475	0.0792	0.0000	332.8111
<b>Total</b>	<b>0.0963</b>	<b>2.0340</b>	<b>2.5565</b>	<b>3.8500e-003</b>		<b>0.0194</b>	<b>0.0194</b>		<b>0.0194</b>	<b>0.0194</b>	<b>0.0000</b>	<b>331.1475</b>	<b>331.1475</b>	<b>0.0792</b>	<b>0.0000</b>	<b>332.8111</b>

**3.5 Building Construction - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0995	0.5640	1.3418	2.9000e-003	0.0789	0.0109	0.0898	0.0227	0.0101	0.0327	0.0000	246.0166	246.0166	1.9300e-003	0.0000	246.0572
Worker	0.1200	0.1758	1.6742	5.7300e-003	0.4806	3.6000e-003	0.4842	0.1278	3.3400e-003	0.1312	0.0000	362.1540	362.1540	0.0164	0.0000	362.4985
<b>Total</b>	<b>0.2195</b>	<b>0.7399</b>	<b>3.0160</b>	<b>8.6300e-003</b>	<b>0.5595</b>	<b>0.0145</b>	<b>0.5740</b>	<b>0.1505</b>	<b>0.0134</b>	<b>0.1639</b>	<b>0.0000</b>	<b>608.1706</b>	<b>608.1706</b>	<b>0.0183</b>	<b>0.0000</b>	<b>608.5557</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	0.0141	0.1418	0.1857	2.9000e-004		7.2500e-003	7.2500e-003		6.6700e-003	6.6700e-003	0.0000	25.4819	25.4819	8.2400e-003	0.0000	25.6549
Paving	2.1400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0162</b>	<b>0.1418</b>	<b>0.1857</b>	<b>2.9000e-004</b>		<b>7.2500e-003</b>	<b>7.2500e-003</b>		<b>6.6700e-003</b>	<b>6.6700e-003</b>	<b>0.0000</b>	<b>25.4819</b>	<b>25.4819</b>	<b>8.2400e-003</b>	<b>0.0000</b>	<b>25.6549</b>

### 3.6 Paving - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	6.5000e-004	6.1700e-003	2.0000e-005	1.7700e-003	1.0000e-005	1.7800e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.3337	1.3337	6.0000e-005	0.0000	1.3349
<b>Total</b>	<b>4.4000e-004</b>	<b>6.5000e-004</b>	<b>6.1700e-003</b>	<b>2.0000e-005</b>	<b>1.7700e-003</b>	<b>1.0000e-005</b>	<b>1.7800e-003</b>	<b>4.7000e-004</b>	<b>1.0000e-005</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>1.3337</b>	<b>1.3337</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.3349</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	7.1400e-003	0.1438	0.2201	2.9000e-004		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003	0.0000	25.4818	25.4818	8.2400e-003	0.0000	25.6549
Paving	2.1400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>9.2800e-003</b>	<b>0.1438</b>	<b>0.2201</b>	<b>2.9000e-004</b>		<b>1.1700e-003</b>	<b>1.1700e-003</b>		<b>1.1700e-003</b>	<b>1.1700e-003</b>	<b>0.0000</b>	<b>25.4818</b>	<b>25.4818</b>	<b>8.2400e-003</b>	<b>0.0000</b>	<b>25.6549</b>

### 3.6 Paving - 2022

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	6.5000e-004	6.1700e-003	2.0000e-005	1.7700e-003	1.0000e-005	1.7800e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.3337	1.3337	6.0000e-005	0.0000	1.3349
<b>Total</b>	<b>4.4000e-004</b>	<b>6.5000e-004</b>	<b>6.1700e-003</b>	<b>2.0000e-005</b>	<b>1.7700e-003</b>	<b>1.0000e-005</b>	<b>1.7800e-003</b>	<b>4.7000e-004</b>	<b>1.0000e-005</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>1.3337</b>	<b>1.3337</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.3349</b>

### 3.6 Paving - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0127	0.1250	0.1786	2.8000e-004		6.2600e-003	6.2600e-003		5.7600e-003	5.7600e-003	0.0000	24.5010	24.5010	7.9200e-003	0.0000	24.6674
Paving	2.0500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0147</b>	<b>0.1250</b>	<b>0.1786</b>	<b>2.8000e-004</b>		<b>6.2600e-003</b>	<b>6.2600e-003</b>		<b>5.7600e-003</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>24.5010</b>	<b>24.5010</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>24.6674</b>



### 3.6 Paving - 2023

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	5.8000e-004	5.5500e-003	2.0000e-005	1.7000e-003	1.0000e-005	1.7100e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.2631	1.2631	6.0000e-005	0.0000	1.2642
<b>Total</b>	<b>4.0000e-004</b>	<b>5.8000e-004</b>	<b>5.5500e-003</b>	<b>2.0000e-005</b>	<b>1.7000e-003</b>	<b>1.0000e-005</b>	<b>1.7100e-003</b>	<b>4.5000e-004</b>	<b>1.0000e-005</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>1.2631</b>	<b>1.2631</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.2642</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	6.8600e-003	0.1383	0.2116	2.8000e-004		1.1200e-003	1.1200e-003		1.1200e-003	1.1200e-003	0.0000	24.5009	24.5009	7.9200e-003	0.0000	24.6673
Paving	2.0500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>8.9100e-003</b>	<b>0.1383</b>	<b>0.2116</b>	<b>2.8000e-004</b>		<b>1.1200e-003</b>	<b>1.1200e-003</b>		<b>1.1200e-003</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>24.5009</b>	<b>24.5009</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>24.6673</b>

### 3.6 Paving - 2023

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	5.8000e-004	5.5500e-003	2.0000e-005	1.7000e-003	1.0000e-005	1.7100e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.2631	1.2631	6.0000e-005	0.0000	1.2642
<b>Total</b>	<b>4.0000e-004</b>	<b>5.8000e-004</b>	<b>5.5500e-003</b>	<b>2.0000e-005</b>	<b>1.7000e-003</b>	<b>1.0000e-005</b>	<b>1.7100e-003</b>	<b>4.5000e-004</b>	<b>1.0000e-005</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>1.2631</b>	<b>1.2631</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.2642</b>

### 3.7 Architectural Coating - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.9379					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8900e-003	0.0332	0.0462	8.0000e-005		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003	0.0000	6.5108	6.5108	3.9000e-004	0.0000	6.5190
<b>Total</b>	<b>3.9428</b>	<b>0.0332</b>	<b>0.0462</b>	<b>8.0000e-005</b>		<b>1.8100e-003</b>	<b>1.8100e-003</b>		<b>1.8100e-003</b>	<b>1.8100e-003</b>	<b>0.0000</b>	<b>6.5108</b>	<b>6.5108</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>6.5190</b>

### 3.7 Architectural Coating - 2023

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0500e-003	5.8800e-003	0.0559	2.0000e-004	0.0171	1.3000e-004	0.0173	4.5600e-003	1.2000e-004	4.6700e-003	0.0000	12.7114	12.7114	5.6000e-004	0.0000	12.7231
<b>Total</b>	<b>4.0500e-003</b>	<b>5.8800e-003</b>	<b>0.0559</b>	<b>2.0000e-004</b>	<b>0.0171</b>	<b>1.3000e-004</b>	<b>0.0173</b>	<b>4.5600e-003</b>	<b>1.2000e-004</b>	<b>4.6700e-003</b>	<b>0.0000</b>	<b>12.7114</b>	<b>12.7114</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>12.7231</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	3.9379					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5200e-003	0.0346	0.0467	8.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	6.5108	6.5108	3.9000e-004	0.0000	6.5190
<b>Total</b>	<b>3.9395</b>	<b>0.0346</b>	<b>0.0467</b>	<b>8.0000e-005</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>6.5108</b>	<b>6.5108</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>6.5190</b>

### 3.7 Architectural Coating - 2023

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0500e-003	5.8800e-003	0.0559	2.0000e-004	0.0171	1.3000e-004	0.0173	4.5600e-003	1.2000e-004	4.6700e-003	0.0000	12.7114	12.7114	5.6000e-004	0.0000	12.7231
<b>Total</b>	<b>4.0500e-003</b>	<b>5.8800e-003</b>	<b>0.0559</b>	<b>2.0000e-004</b>	<b>0.0171</b>	<b>1.3000e-004</b>	<b>0.0173</b>	<b>4.5600e-003</b>	<b>1.2000e-004</b>	<b>4.6700e-003</b>	<b>0.0000</b>	<b>12.7114</b>	<b>12.7114</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>12.7231</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	0.9912	2.2848	10.4305	0.0290	1.8785	0.0459	1.9245	0.5049	0.0424	0.5473	0.0000	1,992.9455	1,992.9455	0.0595	0.0000	1,994.1948
Unmitigated	0.9912	2.2848	10.4305	0.0290	1.8785	0.0459	1.9245	0.5049	0.0424	0.5473	0.0000	1,992.9455	1,992.9455	0.0595	0.0000	1,994.1948

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	5.72	5.72	5.72	12,220	12,220
Condo/Townhouse	2,240.60	2,434.40	2063.80	5,007,261	5,007,261
Other Asphalt Surfaces	0.00	0.00	0.00		
<b>Total</b>	<b>2,246.32</b>	<b>2,440.12</b>	<b>2,069.52</b>	<b>5,019,481</b>	<b>5,019,481</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-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.540708	0.062029	0.166535	0.109313	0.030530	0.004548	0.019619	0.054044	0.001811	0.003599	0.005676	0.000189	0.001400

### 5.0 Energy Detail

#### 5.1 Fleet Mix

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	421.6222	421.6222	0.0191	3.9400e-003	423.2454
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	421.6222	421.6222	0.0191	3.9400e-003	423.2454
NaturalGas Mitigated	0.0445	0.3805	0.1619	2.4300e-003		0.0308	0.0308		0.0308	0.0308	0.0000	440.6966	440.6966	8.4500e-003	8.0800e-003	443.3786
NaturalGas Unmitigated	0.0445	0.3805	0.1619	2.4300e-003		0.0308	0.0308		0.0308	0.0308	0.0000	440.6966	440.6966	8.4500e-003	8.0800e-003	443.3786

**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					
Condo/Townhouse	8.25834e+006	0.0445	0.3805	0.1619	2.4300e-003		0.0308	0.0308		0.0308	0.0308	0.0000	440.6966	440.6966	8.4500e-003	8.0800e-003	443.3786
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	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>0.0445</b>	<b>0.3805</b>	<b>0.1619</b>	<b>2.4300e-003</b>		<b>0.0308</b>	<b>0.0308</b>		<b>0.0308</b>	<b>0.0308</b>	<b>0.0000</b>	<b>440.6966</b>	<b>440.6966</b>	<b>8.4500e-003</b>	<b>8.0800e-003</b>	<b>443.3786</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	8.25834e+006	0.0445	0.3805	0.1619	2.4300e-003		0.0308	0.0308		0.0308	0.0308	0.0000	440.6966	440.6966	8.4500e-003	8.0800e-003	443.3786
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	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>0.0445</b>	<b>0.3805</b>	<b>0.1619</b>	<b>2.4300e-003</b>		<b>0.0308</b>	<b>0.0308</b>		<b>0.0308</b>	<b>0.0308</b>	<b>0.0000</b>	<b>440.6966</b>	<b>440.6966</b>	<b>8.4500e-003</b>	<b>8.0800e-003</b>	<b>443.3786</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	1.44931e+006	421.6222	0.0191	3.9400e-003	423.2454
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>421.6222</b>	<b>0.0191</b>	<b>3.9400e-003</b>	<b>423.2454</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	1.44931e+006	421.6222	0.0191	3.9400e-003	423.2454
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>421.6222</b>	<b>0.0191</b>	<b>3.9400e-003</b>	<b>423.2454</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	3.2181	0.0336	2.9008	4.6000e-004		0.0689	0.0689		0.0689	0.0689	5.5649	13.1140	18.6790	0.0143	4.6000e-004	19.1229
Unmitigated	3.2181	0.0336	2.9008	4.6000e-004		0.0689	0.0689		0.0689	0.0689	5.5649	13.1140	18.6790	0.0143	4.6000e-004	19.1229



### 6.2 Area by SubCategory

#### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3938					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4847					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.2637	4.4800e-003	0.3773	3.2000e-004		0.0549	0.0549		0.0549	0.0549	5.5649	8.9901	14.5550	0.0103	4.6000e-004	14.9159
Landscaping	0.0759	0.0291	2.5235	1.3000e-004		0.0140	0.0140		0.0140	0.0140	0.0000	4.1239	4.1239	3.9600e-003	0.0000	4.2070
<b>Total</b>	<b>3.2180</b>	<b>0.0336</b>	<b>2.9008</b>	<b>4.5000e-004</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0689</b>	<b>0.0689</b>	<b>5.5649</b>	<b>13.1140</b>	<b>18.6790</b>	<b>0.0143</b>	<b>4.6000e-004</b>	<b>19.1229</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3938					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4847					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.2637	4.4800e-003	0.3773	3.2000e-004		0.0549	0.0549		0.0549	0.0549	5.5649	8.9901	14.5550	0.0103	4.6000e-004	14.9159
Landscaping	0.0759	0.0291	2.5235	1.3000e-004		0.0140	0.0140		0.0140	0.0140	0.0000	4.1239	4.1239	3.9600e-003	0.0000	4.2070
<b>Total</b>	<b>3.2180</b>	<b>0.0336</b>	<b>2.9008</b>	<b>4.5000e-004</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0689</b>	<b>0.0689</b>	<b>5.5649</b>	<b>13.1140</b>	<b>18.6790</b>	<b>0.0143</b>	<b>4.6000e-004</b>	<b>19.1229</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	60.4855	0.7241	0.0175	81.1223
Unmitigated	60.4855	0.7243	0.0175	81.1335

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 4.28933	4.3674	2.0000e-004	4.0000e-005	4.3842
Condo/Townhouse	22.1524 / 13.9656	56.1181	0.7241	0.0175	76.7493
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>60.4855</b>	<b>0.7243</b>	<b>0.0175</b>	<b>81.1335</b>

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 4.28933	4.3674	2.0000e-004	4.0000e-005	4.3842
Condo/Townhouse	22.1524 / 13.9656	56.1181	0.7239	0.0175	76.7381
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>60.4855</b>	<b>0.7241</b>	<b>0.0175</b>	<b>81.1223</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	31.8107	1.8800	0.0000	71.2899
Unmitigated	31.8107	1.8800	0.0000	71.2899

### 8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.31	0.0629	3.7200e-003	0.0000	0.1410
Condo/Townhouse	156.4	31.7478	1.8762	0.0000	71.1488
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>31.8107</b>	<b>1.8800</b>	<b>0.0000</b>	<b>71.2899</b>

## 8.2 Waste by Land Use

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.31	0.0629	3.7200e-003	0.0000	0.1410
Condo/Townhouse	156.4	31.7478	1.8762	0.0000	71.1488
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>31.8107</b>	<b>1.8800</b>	<b>0.0000</b>	<b>71.2899</b>

## 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 Vegetation

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## Oak Knoll - Mobile Emissions- TDM Alameda County, Annual

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	1.00	1000sqft	0.02	1,000.00	0
Condo/Townhouse	572.00	Dwelling Unit	35.75	572,000.00	1636
Single Family Housing	363.00	Dwelling Unit	117.86	653,400.00	1038
Regional Shopping Center	82.00	1000sqft	1.88	82,000.00	0

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	63
<b>Climate Zone</b>	5	<b>Operational Year</b>		2024	
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<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 -

Vehicle Trips - Adjusted trip lengths to equal daily and annual project VMT.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	250.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	250.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	250.00

tblArchitecturalCoating	EF_Residential_Interior	100.00	250.00
tblProjectCharacteristics	OperationalYear	2014	2024
tblVehicleEF	HHD	527.63	11,915.71
tblVehicleEF	HHD	1,551.39	1,631.45
tblVehicleEF	HHD	49.32	0.80
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	3.27	36.02
tblVehicleEF	HHD	2.13	2.42
tblVehicleEF	HHD	3.88	0.02
tblVehicleEF	HHD	9.0910e-003	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.07	7.6092e-003
tblVehicleEF	HHD	8.3800e-004	6.4273e-006
tblVehicleEF	HHD	8.3640e-003	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7720e-003	8.9767e-003
tblVehicleEF	HHD	0.07	7.2798e-003
tblVehicleEF	HHD	7.7700e-004	5.9096e-006
tblVehicleEF	HHD	1.2500e-003	1.1619e-004
tblVehicleEF	HHD	0.08	3.3773e-004
tblVehicleEF	HHD	0.61	1.09
tblVehicleEF	HHD	8.9000e-004	8.0637e-005
tblVehicleEF	HHD	0.22	0.09
tblVehicleEF	HHD	0.40	1.4993e-003
tblVehicleEF	HHD	1.60	5.8680e-003
tblVehicleEF	LDA	219.18	238.69
tblVehicleEF	LDA	48.27	54.13

tblVehicleEF	LDA	0.54	0.58
tblVehicleEF	LDA	0.07	0.04
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.8980e-003	1.7351e-003
tblVehicleEF	LDA	4.2000e-003	2.2305e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.7600e-003	1.5990e-003
tblVehicleEF	LDA	3.8970e-003	2.0509e-003
tblVehicleEF	LDA	0.02	0.18
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.02	0.17
tblVehicleEF	LDA	0.01	9.0082e-003
tblVehicleEF	LDA	0.20	0.21
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDT1	271.84	289.65
tblVehicleEF	LDT1	59.80	66.90
tblVehicleEF	LDT1	0.06	0.04
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.17	0.13
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.8090e-003	2.2498e-003
tblVehicleEF	LDT1	4.6960e-003	2.9658e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003



tblVehicleEF	LDT1	2.6050e-003	2.0731e-003
tblVehicleEF	LDT1	4.3570e-003	2.7271e-003
tblVehicleEF	LDT1	0.08	0.47
tblVehicleEF	LDT1	0.21	0.22
tblVehicleEF	LDT1	0.08	0.42
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.74	0.83
tblVehicleEF	LDT1	0.22	0.16
tblVehicleEF	LDT2	334.46	326.25
tblVehicleEF	LDT2	73.52	74.96
tblVehicleEF	LDT2	0.17	0.18
tblVehicleEF	LDT2	0.10	0.06
tblVehicleEF	LDT2	0.13	0.10
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.8300e-003	1.7302e-003
tblVehicleEF	LDT2	4.0760e-003	2.3319e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.6980e-003	1.5912e-003
tblVehicleEF	LDT2	3.7820e-003	2.1441e-003
tblVehicleEF	LDT2	0.04	0.22
tblVehicleEF	LDT2	0.12	0.10
tblVehicleEF	LDT2	0.04	0.23
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.39	0.38
tblVehicleEF	LDT2	0.12	0.08
tblVehicleEF	LHD1	7.80	124.23

tblVehicleEF	LHD1	760.22	700.56
tblVehicleEF	LHD1	40.00	29.65
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.05	1.02
tblVehicleEF	LHD1	0.81	1.09
tblVehicleEF	LHD1	1.19	0.93
tblVehicleEF	LHD1	5.5800e-004	0.01
tblVehicleEF	LHD1	0.05	0.08
tblVehicleEF	LHD1	9.1290e-003	9.9054e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	8.2605e-004
tblVehicleEF	LHD1	5.1400e-004	0.01
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.2820e-003	2.4764e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	7.5952e-004
tblVehicleEF	LHD1	1.8220e-003	0.03
tblVehicleEF	LHD1	0.07	0.09
tblVehicleEF	LHD1	0.03	0.22
tblVehicleEF	LHD1	1.1450e-003	0.02
tblVehicleEF	LHD1	0.10	0.11
tblVehicleEF	LHD1	0.43	0.68
tblVehicleEF	LHD1	0.31	0.23
tblVehicleEF	LHD2	8.58	184.54
tblVehicleEF	LHD2	657.39	713.08
tblVehicleEF	LHD2	26.95	22.66
tblVehicleEF	LHD2	4.5480e-003	4.8880e-003
tblVehicleEF	LHD2	0.10	1.25

tblVehicleEF	LHD2	1.16	0.66
tblVehicleEF	LHD2	0.73	0.42
tblVehicleEF	LHD2	1.1160e-003	0.02
tblVehicleEF	LHD2	0.06	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	3.1900e-004	3.5899e-004
tblVehicleEF	LHD2	1.0270e-003	0.02
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	2.5360e-003	2.6610e-003
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	2.9600e-004	3.3008e-004
tblVehicleEF	LHD2	9.8400e-004	0.01
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.18
tblVehicleEF	LHD2	6.3700e-004	6.2207e-003
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.24	0.18
tblVehicleEF	LHD2	0.17	0.08
tblVehicleEF	MCY	150.64	175.14
tblVehicleEF	MCY	37.25	45.44
tblVehicleEF	MCY	5.6760e-003	0.03
tblVehicleEF	MCY	1.23	1.16
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	0.04	0.01
tblVehicleEF	MCY	8.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.8600e-004	2.1383e-003
tblVehicleEF	MCY	7.7900e-004	3.7345e-003

tblVehicleEF	MCY	0.02	5.0400e-003
tblVehicleEF	MCY	2.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.4500e-004	1.9989e-003
tblVehicleEF	MCY	6.6600e-004	3.5162e-003
tblVehicleEF	MCY	0.59	1.60
tblVehicleEF	MCY	0.35	0.73
tblVehicleEF	MCY	0.33	0.99
tblVehicleEF	MCY	2.67	2.31
tblVehicleEF	MCY	1.22	2.29
tblVehicleEF	MCY	2.23	2.24
tblVehicleEF	MDV	447.62	441.43
tblVehicleEF	MDV	98.69	99.76
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.20	0.12
tblVehicleEF	MDV	0.32	0.23
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.0280e-003	1.8426e-003
tblVehicleEF	MDV	4.0140e-003	2.4734e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.8810e-003	1.6976e-003
tblVehicleEF	MDV	3.7240e-003	2.2743e-003
tblVehicleEF	MDV	0.07	0.34
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.07	0.37
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.64	0.55

tblVehicleEF	MDV	0.30	0.20
tblVehicleEF	MH	665.11	1,210.52
tblVehicleEF	MH	28.78	59.04
tblVehicleEF	MH	1.4000e-003	2.8770e-003
tblVehicleEF	MH	1.03	1.19
tblVehicleEF	MH	0.67	0.81
tblVehicleEF	MH	0.05	0.13
tblVehicleEF	MH	8.4680e-003	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	1.0960e-003
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	2.1170e-003	3.2078e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	1.0077e-003
tblVehicleEF	MH	0.56	0.07
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.24	0.03
tblVehicleEF	MH	0.06	0.08
tblVehicleEF	MH	1.29	1.85
tblVehicleEF	MH	0.32	0.31
tblVehicleEF	MHD	572.65	634.35
tblVehicleEF	MHD	1,004.94	1,181.37
tblVehicleEF	MHD	49.32	8.39
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.33	1.75
tblVehicleEF	MHD	0.99	1.17
tblVehicleEF	MHD	1.43	0.12
tblVehicleEF	MHD	7.6380e-003	4.2982e-004

tblVehicleEF	MHD	0.12	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	3.4494e-003
tblVehicleEF	MHD	1.0610e-003	1.1763e-004
tblVehicleEF	MHD	7.0270e-003	4.2982e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	2.8910e-003	3.0000e-003
tblVehicleEF	MHD	0.03	3.2966e-003
tblVehicleEF	MHD	9.8500e-004	1.0816e-004
tblVehicleEF	MHD	1.5750e-003	2.3528e-003
tblVehicleEF	MHD	0.08	6.2088e-003
tblVehicleEF	MHD	0.18	0.07
tblVehicleEF	MHD	9.7900e-004	1.4003e-003
tblVehicleEF	MHD	0.11	0.04
tblVehicleEF	MHD	0.44	0.03
tblVehicleEF	MHD	0.76	0.05
tblVehicleEF	OBUS	533.48	360.48
tblVehicleEF	OBUS	1,045.10	1,236.90
tblVehicleEF	OBUS	32.73	73.47
tblVehicleEF	OBUS	1.8110e-003	6.4500e-004
tblVehicleEF	OBUS	3.20	0.05
tblVehicleEF	OBUS	1.12	0.23
tblVehicleEF	OBUS	1.18	1.01
tblVehicleEF	OBUS	8.7920e-003	0.00
tblVehicleEF	OBUS	0.10	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	1.2154e-003
tblVehicleEF	OBUS	4.5100e-004	9.6614e-004

tblVehicleEF	OBUS	8.0890e-003	0.00
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.6290e-003	3.0000e-003
tblVehicleEF	OBUS	0.03	1.1175e-003
tblVehicleEF	OBUS	4.1900e-004	8.8833e-004
tblVehicleEF	OBUS	6.8200e-004	0.03
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.56	0.58
tblVehicleEF	OBUS	3.4900e-004	0.01
tblVehicleEF	OBUS	0.12	0.03
tblVehicleEF	OBUS	0.31	0.23
tblVehicleEF	OBUS	0.52	0.37
tblVehicleEF	SBUS	556.14	3,069.02
tblVehicleEF	SBUS	966.46	972.23
tblVehicleEF	SBUS	115.30	59.57
tblVehicleEF	SBUS	1.8900e-004	2.9800e-004
tblVehicleEF	SBUS	7.12	18.35
tblVehicleEF	SBUS	5.53	2.79
tblVehicleEF	SBUS	2.38	0.60
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.47	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	3.0800e-003	1.0675e-003
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.20	0.32
tblVehicleEF	SBUS	2.6090e-003	2.5110e-003
tblVehicleEF	SBUS	0.03	0.01

tblVehicleEF	SBUS	2.8580e-003	9.8150e-004
tblVehicleEF	SBUS	0.02	9.4558e-003
tblVehicleEF	SBUS	0.19	0.03
tblVehicleEF	SBUS	0.10	4.13
tblVehicleEF	SBUS	8.0390e-003	4.6029e-003
tblVehicleEF	SBUS	0.26	0.09
tblVehicleEF	SBUS	2.54	0.17
tblVehicleEF	SBUS	1.49	0.43
tblVehicleEF	UBUS	2,139.09	2,188.84
tblVehicleEF	UBUS	9.91	79.76
tblVehicleEF	UBUS	3.5990e-003	5.9600e-004
tblVehicleEF	UBUS	13.62	14.46
tblVehicleEF	UBUS	0.63	1.01
tblVehicleEF	UBUS	0.78	0.65
tblVehicleEF	UBUS	8.0000e-003	0.01
tblVehicleEF	UBUS	0.23	0.30
tblVehicleEF	UBUS	2.1800e-004	9.3293e-004
tblVehicleEF	UBUS	0.34	0.28
tblVehicleEF	UBUS	2.0000e-003	3.0000e-003
tblVehicleEF	UBUS	0.21	0.28
tblVehicleEF	UBUS	2.0200e-004	8.5780e-004
tblVehicleEF	UBUS	1.6400e-003	9.2989e-003
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	7.8000e-004	4.6684e-003
tblVehicleEF	UBUS	0.60	0.74
tblVehicleEF	UBUS	0.39	0.47
tblVehicleEF	UBUS	0.37	0.57
tblVehicleTrips	CC_TL	0.00	6.50



tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	6.50
tblVehicleTrips	CC_TL	0.00	6.50
tblVehicleTrips	CNW_TL	0.00	5.70
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	5.70
tblVehicleTrips	CNW_TL	0.00	5.70
tblVehicleTrips	CW_TL	0.00	11.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	11.00
tblVehicleTrips	CW_TL	0.00	11.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	5.40	6.50
tblVehicleTrips	HO_TL	0.00	6.50
tblVehicleTrips	HO_TL	5.40	6.50
tblVehicleTrips	HS_TL	4.30	6.50
tblVehicleTrips	HS_TL	0.00	6.50
tblVehicleTrips	HS_TL	4.30	6.50
tblVehicleTrips	HW_TL	12.40	11.00
tblVehicleTrips	HW_TL	0.00	11.00
tblVehicleTrips	HW_TL	12.40	11.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00

tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	7.16	4.95
tblVehicleTrips	ST_TR	1.32	1,110.00
tblVehicleTrips	ST_TR	49.97	38.43
tblVehicleTrips	ST_TR	10.08	7.65
tblVehicleTrips	SU_TR	6.07	4.95
tblVehicleTrips	SU_TR	0.68	1,110.00
tblVehicleTrips	SU_TR	25.24	38.43
tblVehicleTrips	SU_TR	8.77	7.65
tblVehicleTrips	WD_TR	6.59	4.86
tblVehicleTrips	WD_TR	6.97	1,110.00
tblVehicleTrips	WD_TR	42.94	38.43
tblVehicleTrips	WD_TR	9.57	7.65

## 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					
2017	0.5569	5.8326	4.6703	5.3900e-003	1.1025	0.2953	1.3978	0.6008	0.2741	0.8749	0.0000	491.3297	491.3297	0.1347	0.0000	494.1586
2018	0.6680	7.3630	5.4493	7.6500e-003	2.4515	0.3513	2.8028	1.1595	0.3232	1.4827	0.0000	693.1569	693.1569	0.2107	0.0000	697.5820
2019	0.6503	5.3798	6.3174	0.0123	1.8028	0.2471	2.0499	0.6806	0.2293	0.9099	0.0000	986.2230	986.2230	0.1564	0.0000	989.5080
2020	0.5982	3.7375	6.6723	0.0151	0.7731	0.1660	0.9391	0.2077	0.1557	0.3634	0.0000	1,131.5542	1,131.5542	0.1015	0.0000	1,133.6852
2021	0.5520	3.3060	6.3865	0.0151	0.7702	0.1432	0.9134	0.2069	0.1343	0.3412	0.0000	1,117.6459	1,117.6459	0.0990	0.0000	1,119.7244
2022	0.5095	2.9506	6.0916	0.0150	0.7672	0.1230	0.8903	0.2061	0.1154	0.3216	0.0000	1,104.8125	1,104.8125	0.0970	0.0000	1,106.8501
2023	0.4751	2.6680	5.8575	0.0150	0.7673	0.1085	0.8758	0.2061	0.1018	0.3079	0.0000	1,096.4387	1,096.4387	0.0954	0.0000	1,098.4415
2024	0.4526	2.5472	5.7077	0.0151	0.7732	0.0981	0.8713	0.2077	0.0920	0.2997	0.0000	1,098.1180	1,098.1180	0.0948	0.0000	1,100.1096
2025	0.4280	2.3956	5.5394	0.0151	0.7703	0.0867	0.8569	0.2070	0.0812	0.2881	0.0000	1,088.0523	1,088.0523	0.0934	0.0000	1,090.0131
2026	0.4196	2.3756	5.4349	0.0151	0.7703	0.0864	0.8567	0.2070	0.0810	0.2879	0.0000	1,082.7882	1,082.7882	0.0927	0.0000	1,084.7353
2027	0.4131	2.3634	5.3469	0.0151	0.7703	0.0865	0.8568	0.2070	0.0810	0.2880	0.0000	1,078.2291	1,078.2291	0.0922	0.0000	1,080.1647
2028	0.4057	2.3426	5.2471	0.0150	0.7673	0.0861	0.8535	0.2062	0.0807	0.2869	0.0000	1,070.1442	1,070.1442	0.0913	0.0000	1,072.0616
2029	0.4005	2.3412	5.1785	0.0151	0.7703	0.0865	0.8568	0.2070	0.0810	0.2880	0.0000	1,070.8162	1,070.8162	0.0912	0.0000	1,072.7307
2030	0.3864	1.7452	5.1126	0.0156	0.7703	0.0373	0.8076	0.2070	0.0359	0.2428	0.0000	1,107.9822	1,107.9822	0.0337	0.0000	1,108.6894
2031	0.2400	1.1607	2.9589	7.3100e-003	0.2427	0.0408	0.2835	0.0652	0.0404	0.1056	0.0000	554.7568	554.7568	0.0204	0.0000	555.1846
2032	20.1893	0.2498	0.7478	2.2200e-003	0.1163	9.1000e-003	0.1254	0.0310	9.0300e-003	0.0400	0.0000	151.5087	151.5087	6.1100e-003	0.0000	151.6370
<b>Total</b>	<b>27.3450</b>	<b>48.7587</b>	<b>82.7187</b>	<b>0.2010</b>	<b>14.1855</b>	<b>2.0520</b>	<b>16.2375</b>	<b>4.8125</b>	<b>1.9161</b>	<b>6.7286</b>	<b>0.0000</b>	<b>14,923.5566</b>	<b>14,923.5566</b>	<b>1.5105</b>	<b>0.0000</b>	<b>14,955.2756</b>

## 2.1 Overall Construction

**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					
2017	0.5569	5.8326	4.6703	5.3900e-003	1.1025	0.2953	1.3978	0.6008	0.2741	0.8749	0.0000	491.3292	491.3292	0.1347	0.0000	494.1580
2018	0.6680	7.3630	5.4493	7.6500e-003	2.4515	0.3513	2.8028	1.1595	0.3232	1.4827	0.0000	693.1561	693.1561	0.2107	0.0000	697.5812
2019	0.6503	5.3798	6.3174	0.0123	1.8028	0.2471	2.0499	0.6806	0.2293	0.9099	0.0000	986.2224	986.2224	0.1564	0.0000	989.5074
2020	0.5982	3.7375	6.6723	0.0151	0.7731	0.1660	0.9391	0.2077	0.1557	0.3634	0.0000	1,131.5538	1,131.5538	0.1015	0.0000	1,133.6849
2021	0.5520	3.3060	6.3865	0.0151	0.7702	0.1432	0.9134	0.2069	0.1343	0.3412	0.0000	1,117.6456	1,117.6456	0.0990	0.0000	1,119.7241
2022	0.5095	2.9506	6.0916	0.0150	0.7672	0.1230	0.8903	0.2061	0.1154	0.3216	0.0000	1,104.8121	1,104.8121	0.0970	0.0000	1,106.8497
2023	0.4751	2.6680	5.8575	0.0150	0.7673	0.1085	0.8758	0.2061	0.1018	0.3079	0.0000	1,096.4384	1,096.4384	0.0954	0.0000	1,098.4412
2024	0.4526	2.5472	5.7077	0.0151	0.7732	0.0981	0.8713	0.2077	0.0920	0.2997	0.0000	1,098.1176	1,098.1176	0.0948	0.0000	1,100.1092
2025	0.4280	2.3956	5.5394	0.0151	0.7703	0.0867	0.8569	0.2070	0.0812	0.2881	0.0000	1,088.0519	1,088.0519	0.0934	0.0000	1,090.0127
2026	0.4196	2.3756	5.4349	0.0151	0.7703	0.0864	0.8567	0.2070	0.0810	0.2879	0.0000	1,082.7879	1,082.7879	0.0927	0.0000	1,084.7349
2027	0.4131	2.3633	5.3469	0.0151	0.7703	0.0865	0.8568	0.2070	0.0810	0.2880	0.0000	1,078.2288	1,078.2288	0.0922	0.0000	1,080.1643
2028	0.4057	2.3426	5.2471	0.0150	0.7673	0.0861	0.8535	0.2062	0.0807	0.2869	0.0000	1,070.1438	1,070.1438	0.0913	0.0000	1,072.0613
2029	0.4005	2.3412	5.1785	0.0151	0.7703	0.0865	0.8568	0.2070	0.0810	0.2880	0.0000	1,070.8158	1,070.8158	0.0912	0.0000	1,072.7303
2030	0.3864	1.7452	5.1126	0.0156	0.7703	0.0373	0.8076	0.2070	0.0359	0.2428	0.0000	1,107.9818	1,107.9818	0.0337	0.0000	1,108.6890
2031	0.2400	1.1607	2.9589	7.3100e-003	0.2427	0.0408	0.2835	0.0652	0.0404	0.1056	0.0000	554.7564	554.7564	0.0204	0.0000	555.1842
2032	20.1893	0.2498	0.7478	2.2200e-003	0.1163	9.1000e-003	0.1254	0.0310	9.0300e-003	0.0400	0.0000	151.5086	151.5086	6.1100e-003	0.0000	151.6369
<b>Total</b>	<b>27.3449</b>	<b>48.7587</b>	<b>82.7187</b>	<b>0.2010</b>	<b>14.1855</b>	<b>2.0520</b>	<b>16.2375</b>	<b>4.8125</b>	<b>1.9161</b>	<b>6.7286</b>	<b>0.0000</b>	<b>14,923.5502</b>	<b>14,923.5502</b>	<b>1.5105</b>	<b>0.0000</b>	<b>14,955.2692</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

**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	8.8021	0.1276	10.8551	4.3600e-003		0.6087	0.6087		0.6087	0.6087	59.5830	40.5394	100.1225	0.1364	3.4300e-003	104.0508
Energy	0.1770	1.5141	0.6528	9.6600e-003		0.1223	0.1223		0.1223	0.1223	0.0000	3,475.1151	3,475.1151	0.1115	0.0482	3,492.4112
Mobile	6.2561	6.3396	44.7537	0.1030	7.6382	0.0648	7.7030	2.0422	0.0604	2.1025	0.0000	7,560.6196	7,560.6196	0.2346	0.0000	7,565.5457
Waste						0.0000	0.0000		0.0000	0.0000	159.6362	0.0000	159.6362	9.4342	0.0000	357.7549
Water						0.0000	0.0000		0.0000	0.0000	21.3271	148.7136	170.0408	2.1972	0.0531	232.6478
<b>Total</b>	<b>15.2352</b>	<b>7.9813</b>	<b>56.2616</b>	<b>0.1170</b>	<b>7.6382</b>	<b>0.7958</b>	<b>8.4340</b>	<b>2.0422</b>	<b>0.7914</b>	<b>2.8335</b>	<b>240.5463</b>	<b>11,224.9878</b>	<b>11,465.5341</b>	<b>12.1139</b>	<b>0.1048</b>	<b>11,752.4104</b>

## 2.2 Overall Operational

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.8021	0.1276	10.8551	4.3600e-003		0.6087	0.6087		0.6087	0.6087	59.5830	40.5394	100.1225	0.1364	3.4300e-003	104.0508
Energy	0.1770	1.5141	0.6528	9.6600e-003		0.1223	0.1223		0.1223	0.1223	0.0000	3,475.1151	3,475.1151	0.1115	0.0482	3,492.4112
Mobile	6.2561	6.3396	44.7537	0.1030	7.6382	0.0648	7.7030	2.0422	0.0604	2.1025	0.0000	7,560.6196	7,560.6196	0.2346	0.0000	7,565.5457
Waste						0.0000	0.0000		0.0000	0.0000	159.6362	0.0000	159.6362	9.4342	0.0000	357.7549
Water						0.0000	0.0000		0.0000	0.0000	21.3271	148.7136	170.0408	2.1968	0.0530	232.6138
<b>Total</b>	<b>15.2352</b>	<b>7.9813</b>	<b>56.2616</b>	<b>0.1170</b>	<b>7.6382</b>	<b>0.7958</b>	<b>8.4340</b>	<b>2.0422</b>	<b>0.7914</b>	<b>2.8335</b>	<b>240.5463</b>	<b>11,224.9878</b>	<b>11,465.5341</b>	<b>12.1135</b>	<b>0.1047</b>	<b>11,752.3764</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	0.08	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	1/1/2017	10/6/2017	5	200	
2	Site Preparation	Site Preparation	10/7/2017	3/23/2018	5	120	
3	Grading	Grading	3/24/2018	5/31/2019	5	310	
4	Building Construction	Building Construction	6/1/2019	4/18/2031	5	3100	
5	Paving	Paving	4/19/2031	2/20/2032	5	220	
6	Architectural Coating	Architectural Coating	2/21/2032	12/24/2032	5	220	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 775**

**Acres of Paving: 0**

**Residential Indoor: 2,481,435; Residential Outdoor: 827,145; Non-Residential Indoor: 124,500; Non-Residential Outdoor: 41,500 (Architectural Coating – sqft)**

**OffRoad Equipment**



Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	569.00	114.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	114.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Demolition - 2017

#### 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	0.4048	4.2697	3.3893	3.9900e-003		0.2125	0.2125		0.1980	0.1980	0.0000	366.1822	366.1822	0.1005	0.0000	368.2917
<b>Total</b>	<b>0.4048</b>	<b>4.2697</b>	<b>3.3893</b>	<b>3.9900e-003</b>		<b>0.2125</b>	<b>0.2125</b>		<b>0.1980</b>	<b>0.1980</b>	<b>0.0000</b>	<b>366.1822</b>	<b>366.1822</b>	<b>0.1005</b>	<b>0.0000</b>	<b>368.2917</b>

### 3.2 Demolition - 2017

#### 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	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	0.0000
Worker	5.0800e-003	7.6000e-003	0.0728	1.6000e-004	0.0136	1.1000e-004	0.0137	3.6200e-003	1.0000e-004	3.7200e-003	0.0000	11.9128	11.9128	6.4000e-004	0.0000	11.9263	11.9263
<b>Total</b>	<b>5.0800e-003</b>	<b>7.6000e-003</b>	<b>0.0728</b>	<b>1.6000e-004</b>	<b>0.0136</b>	<b>1.1000e-004</b>	<b>0.0137</b>	<b>3.6200e-003</b>	<b>1.0000e-004</b>	<b>3.7200e-003</b>	<b>0.0000</b>	<b>11.9128</b>	<b>11.9128</b>	<b>6.4000e-004</b>	<b>0.0000</b>	<b>11.9263</b>	<b>11.9263</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	0.4048	4.2697	3.3893	3.9900e-003		0.2125	0.2125		0.1980	0.1980	0.0000	366.1817	366.1817	0.1005	0.0000	368.2913
<b>Total</b>	<b>0.4048</b>	<b>4.2697</b>	<b>3.3893</b>	<b>3.9900e-003</b>		<b>0.2125</b>	<b>0.2125</b>		<b>0.1980</b>	<b>0.1980</b>	<b>0.0000</b>	<b>366.1817</b>	<b>366.1817</b>	<b>0.1005</b>	<b>0.0000</b>	<b>368.2913</b>

### 3.2 Demolition - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0800e-003	7.6000e-003	0.0728	1.6000e-004	0.0136	1.1000e-004	0.0137	3.6200e-003	1.0000e-004	3.7200e-003	0.0000	11.9128	11.9128	6.4000e-004	0.0000	11.9263
<b>Total</b>	<b>5.0800e-003</b>	<b>7.6000e-003</b>	<b>0.0728</b>	<b>1.6000e-004</b>	<b>0.0136</b>	<b>1.1000e-004</b>	<b>0.0137</b>	<b>3.6200e-003</b>	<b>1.0000e-004</b>	<b>3.7200e-003</b>	<b>0.0000</b>	<b>11.9128</b>	<b>11.9128</b>	<b>6.4000e-004</b>	<b>0.0000</b>	<b>11.9263</b>

### 3.3 Site Preparation - 2017

#### 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					1.0840	0.0000	1.0840	0.5958	0.0000	0.5958	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1452	1.5526	1.1819	1.1700e-003		0.0826	0.0826		0.0760	0.0760	0.0000	108.9462	108.9462	0.0334	0.0000	109.6472
<b>Total</b>	<b>0.1452</b>	<b>1.5526</b>	<b>1.1819</b>	<b>1.1700e-003</b>	<b>1.0840</b>	<b>0.0826</b>	<b>1.1666</b>	<b>0.5958</b>	<b>0.0760</b>	<b>0.6719</b>	<b>0.0000</b>	<b>108.9462</b>	<b>108.9462</b>	<b>0.0334</b>	<b>0.0000</b>	<b>109.6472</b>

### 3.3 Site Preparation - 2017

#### 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	1.8300e-003	2.7300e-003	0.0262	6.0000e-005	4.9000e-003	4.0000e-005	4.9400e-003	1.3000e-003	4.0000e-005	1.3400e-003	0.0000	4.2886	4.2886	2.3000e-004	0.0000	4.2935
<b>Total</b>	<b>1.8300e-003</b>	<b>2.7300e-003</b>	<b>0.0262</b>	<b>6.0000e-005</b>	<b>4.9000e-003</b>	<b>4.0000e-005</b>	<b>4.9400e-003</b>	<b>1.3000e-003</b>	<b>4.0000e-005</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>4.2886</b>	<b>4.2886</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>4.2935</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					1.0840	0.0000	1.0840	0.5958	0.0000	0.5958	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1452	1.5526	1.1819	1.1700e-003		0.0826	0.0826		0.0760	0.0760	0.0000	108.9460	108.9460	0.0334	0.0000	109.6470
<b>Total</b>	<b>0.1452</b>	<b>1.5526</b>	<b>1.1819</b>	<b>1.1700e-003</b>	<b>1.0840</b>	<b>0.0826</b>	<b>1.1666</b>	<b>0.5958</b>	<b>0.0760</b>	<b>0.6719</b>	<b>0.0000</b>	<b>108.9460</b>	<b>108.9460</b>	<b>0.0334</b>	<b>0.0000</b>	<b>109.6470</b>

### 3.3 Site Preparation - 2017

#### 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	1.8300e-003	2.7300e-003	0.0262	6.0000e-005	4.9000e-003	4.0000e-005	4.9400e-003	1.3000e-003	4.0000e-005	1.3400e-003	0.0000	4.2886	4.2886	2.3000e-004	0.0000	4.2935
<b>Total</b>	<b>1.8300e-003</b>	<b>2.7300e-003</b>	<b>0.0262</b>	<b>6.0000e-005</b>	<b>4.9000e-003</b>	<b>4.0000e-005</b>	<b>4.9400e-003</b>	<b>1.3000e-003</b>	<b>4.0000e-005</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>4.2886</b>	<b>4.2886</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>4.2935</b>

### 3.3 Site Preparation - 2018

#### 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					1.0840	0.0000	1.0840	0.5958	0.0000	0.5958	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1288	1.3683	1.0870	1.1700e-003		0.0710	0.0710		0.0653	0.0653	0.0000	107.2231	107.2231	0.0334	0.0000	107.9240
<b>Total</b>	<b>0.1288</b>	<b>1.3683</b>	<b>1.0870</b>	<b>1.1700e-003</b>	<b>1.0840</b>	<b>0.0710</b>	<b>1.1549</b>	<b>0.5958</b>	<b>0.0653</b>	<b>0.6611</b>	<b>0.0000</b>	<b>107.2231</b>	<b>107.2231</b>	<b>0.0334</b>	<b>0.0000</b>	<b>107.9240</b>

### 3.3 Site Preparation - 2018

#### 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	1.6200e-003	2.4600e-003	0.0234	6.0000e-005	4.9000e-003	4.0000e-005	4.9400e-003	1.3000e-003	4.0000e-005	1.3400e-003	0.0000	4.1293	4.1293	2.1000e-004	0.0000	4.1338
<b>Total</b>	<b>1.6200e-003</b>	<b>2.4600e-003</b>	<b>0.0234</b>	<b>6.0000e-005</b>	<b>4.9000e-003</b>	<b>4.0000e-005</b>	<b>4.9400e-003</b>	<b>1.3000e-003</b>	<b>4.0000e-005</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>4.1293</b>	<b>4.1293</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.1338</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					1.0840	0.0000	1.0840	0.5958	0.0000	0.5958	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1288	1.3683	1.0870	1.1700e-003		0.0710	0.0710		0.0653	0.0653	0.0000	107.2229	107.2229	0.0334	0.0000	107.9239
<b>Total</b>	<b>0.1288</b>	<b>1.3683</b>	<b>1.0870</b>	<b>1.1700e-003</b>	<b>1.0840</b>	<b>0.0710</b>	<b>1.1549</b>	<b>0.5958</b>	<b>0.0653</b>	<b>0.6611</b>	<b>0.0000</b>	<b>107.2229</b>	<b>107.2229</b>	<b>0.0334</b>	<b>0.0000</b>	<b>107.9239</b>

### 3.3 Site Preparation - 2018

#### 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	1.6200e-003	2.4600e-003	0.0234	6.0000e-005	4.9000e-003	4.0000e-005	4.9400e-003	1.3000e-003	4.0000e-005	1.3400e-003	0.0000	4.1293	4.1293	2.1000e-004	0.0000	4.1338
<b>Total</b>	<b>1.6200e-003</b>	<b>2.4600e-003</b>	<b>0.0234</b>	<b>6.0000e-005</b>	<b>4.9000e-003</b>	<b>4.0000e-005</b>	<b>4.9400e-003</b>	<b>1.3000e-003</b>	<b>4.0000e-005</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>4.1293</b>	<b>4.1293</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.1338</b>

### 3.4 Grading - 2018

#### 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					1.3444	0.0000	1.3444	0.5575	0.0000	0.5575	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5316	5.9832	4.2518	6.2000e-003		0.2802	0.2802		0.2578	0.2578	0.0000	566.4342	566.4342	0.1763	0.0000	570.1373
<b>Total</b>	<b>0.5316</b>	<b>5.9832</b>	<b>4.2518</b>	<b>6.2000e-003</b>	<b>1.3444</b>	<b>0.2802</b>	<b>1.6246</b>	<b>0.5575</b>	<b>0.2578</b>	<b>0.8152</b>	<b>0.0000</b>	<b>566.4342</b>	<b>566.4342</b>	<b>0.1763</b>	<b>0.0000</b>	<b>570.1373</b>



### 3.4 Grading - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0400e-003	9.1500e-003	0.0870	2.2000e-004	0.0182	1.4000e-004	0.0184	4.8500e-003	1.3000e-004	4.9900e-003	0.0000	15.3703	15.3703	7.9000e-004	0.0000	15.3868
<b>Total</b>	<b>6.0400e-003</b>	<b>9.1500e-003</b>	<b>0.0870</b>	<b>2.2000e-004</b>	<b>0.0182</b>	<b>1.4000e-004</b>	<b>0.0184</b>	<b>4.8500e-003</b>	<b>1.3000e-004</b>	<b>4.9900e-003</b>	<b>0.0000</b>	<b>15.3703</b>	<b>15.3703</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>15.3868</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					1.3444	0.0000	1.3444	0.5575	0.0000	0.5575	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5316	5.9831	4.2518	6.2000e-003		0.2802	0.2802		0.2578	0.2578	0.0000	566.4335	566.4335	0.1763	0.0000	570.1366
<b>Total</b>	<b>0.5316</b>	<b>5.9831</b>	<b>4.2518</b>	<b>6.2000e-003</b>	<b>1.3444</b>	<b>0.2802</b>	<b>1.6246</b>	<b>0.5575</b>	<b>0.2578</b>	<b>0.8152</b>	<b>0.0000</b>	<b>566.4335</b>	<b>566.4335</b>	<b>0.1763</b>	<b>0.0000</b>	<b>570.1366</b>

### 3.4 Grading - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0400e-003	9.1500e-003	0.0870	2.2000e-004	0.0182	1.4000e-004	0.0184	4.8500e-003	1.3000e-004	4.9900e-003	0.0000	15.3703	15.3703	7.9000e-004	0.0000	15.3868
<b>Total</b>	<b>6.0400e-003</b>	<b>9.1500e-003</b>	<b>0.0870</b>	<b>2.2000e-004</b>	<b>0.0182</b>	<b>1.4000e-004</b>	<b>0.0184</b>	<b>4.8500e-003</b>	<b>1.3000e-004</b>	<b>4.9900e-003</b>	<b>0.0000</b>	<b>15.3703</b>	<b>15.3703</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>15.3868</b>

### 3.4 Grading - 2019

#### 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					1.3444	0.0000	1.3444	0.5575	0.0000	0.5575	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2666	2.9538	2.1957	3.3600e-003		0.1365	0.1365		0.1256	0.1256	0.0000	302.1529	302.1529	0.0956	0.0000	304.1604
<b>Total</b>	<b>0.2666</b>	<b>2.9538</b>	<b>2.1957</b>	<b>3.3600e-003</b>	<b>1.3444</b>	<b>0.1365</b>	<b>1.4809</b>	<b>0.5575</b>	<b>0.1256</b>	<b>0.6831</b>	<b>0.0000</b>	<b>302.1529</b>	<b>302.1529</b>	<b>0.0956</b>	<b>0.0000</b>	<b>304.1604</b>

### 3.4 Grading - 2019

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	4.5200e-003	0.0428	1.2000e-004	9.8900e-003	8.0000e-005	9.9700e-003	2.6300e-003	7.0000e-005	2.7000e-003	0.0000	8.0359	8.0359	4.0000e-004	0.0000	8.0443
<b>Total</b>	<b>2.9800e-003</b>	<b>4.5200e-003</b>	<b>0.0428</b>	<b>1.2000e-004</b>	<b>9.8900e-003</b>	<b>8.0000e-005</b>	<b>9.9700e-003</b>	<b>2.6300e-003</b>	<b>7.0000e-005</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>8.0359</b>	<b>8.0359</b>	<b>4.0000e-004</b>	<b>0.0000</b>	<b>8.0443</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					1.3444	0.0000	1.3444	0.5575	0.0000	0.5575	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2666	2.9538	2.1957	3.3600e-003		0.1365	0.1365		0.1256	0.1256	0.0000	302.1525	302.1525	0.0956	0.0000	304.1601
<b>Total</b>	<b>0.2666</b>	<b>2.9538</b>	<b>2.1957</b>	<b>3.3600e-003</b>	<b>1.3444</b>	<b>0.1365</b>	<b>1.4809</b>	<b>0.5575</b>	<b>0.1256</b>	<b>0.6831</b>	<b>0.0000</b>	<b>302.1525</b>	<b>302.1525</b>	<b>0.0956</b>	<b>0.0000</b>	<b>304.1601</b>

### 3.4 Grading - 2019

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	4.5200e-003	0.0428	1.2000e-004	9.8900e-003	8.0000e-005	9.9700e-003	2.6300e-003	7.0000e-005	2.7000e-003	0.0000	8.0359	8.0359	4.0000e-004	0.0000	8.0443
<b>Total</b>	<b>2.9800e-003</b>	<b>4.5200e-003</b>	<b>0.0428</b>	<b>1.2000e-004</b>	<b>9.8900e-003</b>	<b>8.0000e-005</b>	<b>9.9700e-003</b>	<b>2.6300e-003</b>	<b>7.0000e-005</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>8.0359</b>	<b>8.0359</b>	<b>4.0000e-004</b>	<b>0.0000</b>	<b>8.0443</b>

### 3.5 Building Construction - 2019

#### 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	0.1787	1.5933	1.3012	2.0400e-003		0.0977	0.0977		0.0918	0.0918	0.0000	177.9333	177.9333	0.0433	0.0000	178.8424
<b>Total</b>	<b>0.1787</b>	<b>1.5933</b>	<b>1.3012</b>	<b>2.0400e-003</b>		<b>0.0977</b>	<b>0.0977</b>		<b>0.0918</b>	<b>0.0918</b>	<b>0.0000</b>	<b>177.9333</b>	<b>177.9333</b>	<b>0.0433</b>	<b>0.0000</b>	<b>178.8424</b>

### 3.5 Building Construction - 2019

#### 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	0.0838	0.6489	1.0785	2.0700e-003	0.0560	9.8200e-003	0.0658	0.0161	9.0300e-003	0.0251	0.0000	179.2888	179.2888	1.3900e-003	0.0000	179.3180
Worker	0.1182	0.1793	1.6992	4.6800e-003	0.3925	3.0100e-003	0.3955	0.1044	2.7900e-003	0.1072	0.0000	318.8121	318.8121	0.0158	0.0000	319.1429
<b>Total</b>	<b>0.2020</b>	<b>0.8282</b>	<b>2.7777</b>	<b>6.7500e-003</b>	<b>0.4485</b>	<b>0.0128</b>	<b>0.4613</b>	<b>0.1205</b>	<b>0.0118</b>	<b>0.1323</b>	<b>0.0000</b>	<b>498.1009</b>	<b>498.1009</b>	<b>0.0171</b>	<b>0.0000</b>	<b>498.4609</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	0.1787	1.5933	1.3011	2.0400e-003		0.0977	0.0977		0.0918	0.0918	0.0000	177.9331	177.9331	0.0433	0.0000	178.8422
<b>Total</b>	<b>0.1787</b>	<b>1.5933</b>	<b>1.3011</b>	<b>2.0400e-003</b>		<b>0.0977</b>	<b>0.0977</b>		<b>0.0918</b>	<b>0.0918</b>	<b>0.0000</b>	<b>177.9331</b>	<b>177.9331</b>	<b>0.0433</b>	<b>0.0000</b>	<b>178.8422</b>

### 3.5 Building Construction - 2019

#### 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	0.0838	0.6489	1.0785	2.0700e-003	0.0560	9.8200e-003	0.0658	0.0161	9.0300e-003	0.0251	0.0000	179.2888	179.2888	1.3900e-003	0.0000	179.3180
Worker	0.1182	0.1793	1.6992	4.6800e-003	0.3925	3.0100e-003	0.3955	0.1044	2.7900e-003	0.1072	0.0000	318.8121	318.8121	0.0158	0.0000	319.1429
<b>Total</b>	<b>0.2020</b>	<b>0.8282</b>	<b>2.7777</b>	<b>6.7500e-003</b>	<b>0.4485</b>	<b>0.0128</b>	<b>0.4613</b>	<b>0.1205</b>	<b>0.0118</b>	<b>0.1323</b>	<b>0.0000</b>	<b>498.1009</b>	<b>498.1009</b>	<b>0.0171</b>	<b>0.0000</b>	<b>498.4609</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1514	302.1514	0.0736	0.0000	303.6973
<b>Total</b>	<b>0.2766</b>	<b>2.5000</b>	<b>2.2019</b>	<b>3.5100e-003</b>		<b>0.1458</b>	<b>0.1458</b>		<b>0.1371</b>	<b>0.1371</b>	<b>0.0000</b>	<b>302.1514</b>	<b>302.1514</b>	<b>0.0736</b>	<b>0.0000</b>	<b>303.6973</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1321	0.9527	1.7692	3.5600e-003	0.0966	0.0151	0.1117	0.0277	0.0139	0.0416	0.0000	301.9084	301.9084	2.3200e-003	0.0000	301.9571
Worker	0.1895	0.2847	2.7012	8.0700e-003	0.6766	5.1200e-003	0.6817	0.1800	4.7400e-003	0.1847	0.0000	527.4944	527.4944	0.0255	0.0000	528.0309
<b>Total</b>	<b>0.3216</b>	<b>1.2375</b>	<b>4.4704</b>	<b>0.0116</b>	<b>0.7731</b>	<b>0.0202</b>	<b>0.7933</b>	<b>0.2077</b>	<b>0.0186</b>	<b>0.2264</b>	<b>0.0000</b>	<b>829.4028</b>	<b>829.4028</b>	<b>0.0279</b>	<b>0.0000</b>	<b>829.9880</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	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1510	302.1510	0.0736	0.0000	303.6969
<b>Total</b>	<b>0.2766</b>	<b>2.5000</b>	<b>2.2019</b>	<b>3.5100e-003</b>		<b>0.1458</b>	<b>0.1458</b>		<b>0.1371</b>	<b>0.1371</b>	<b>0.0000</b>	<b>302.1510</b>	<b>302.1510</b>	<b>0.0736</b>	<b>0.0000</b>	<b>303.6969</b>

### 3.5 Building Construction - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1321	0.9527	1.7692	3.5600e-003	0.0966	0.0151	0.1117	0.0277	0.0139	0.0416	0.0000	301.9084	301.9084	2.3200e-003	0.0000	301.9571
Worker	0.1895	0.2847	2.7012	8.0700e-003	0.6766	5.1200e-003	0.6817	0.1800	4.7400e-003	0.1847	0.0000	527.4944	527.4944	0.0255	0.0000	528.0309
<b>Total</b>	<b>0.3216</b>	<b>1.2375</b>	<b>4.4704</b>	<b>0.0116</b>	<b>0.7731</b>	<b>0.0202</b>	<b>0.7933</b>	<b>0.2077</b>	<b>0.0186</b>	<b>0.2264</b>	<b>0.0000</b>	<b>829.4028</b>	<b>829.4028</b>	<b>0.0279</b>	<b>0.0000</b>	<b>829.9880</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
<b>Total</b>	<b>0.2471</b>	<b>2.2629</b>	<b>2.1582</b>	<b>3.5000e-003</b>		<b>0.1246</b>	<b>0.1246</b>		<b>0.1172</b>	<b>0.1172</b>	<b>0.0000</b>	<b>301.0339</b>	<b>301.0339</b>	<b>0.0725</b>	<b>0.0000</b>	<b>302.5568</b>



### 3.5 Building Construction - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1269	0.7792	1.7172	3.5400e-003	0.0962	0.0135	0.1097	0.0276	0.0125	0.0401	0.0000	300.3357	300.3357	2.3100e-003	0.0000	300.3842
Worker	0.1781	0.2639	2.5112	8.0400e-003	0.6740	5.0700e-003	0.6790	0.1793	4.7000e-003	0.1840	0.0000	516.2764	516.2764	0.0242	0.0000	516.7834
<b>Total</b>	<b>0.3050</b>	<b>1.0431</b>	<b>4.2284</b>	<b>0.0116</b>	<b>0.7702</b>	<b>0.0186</b>	<b>0.7888</b>	<b>0.2069</b>	<b>0.0172</b>	<b>0.2241</b>	<b>0.0000</b>	<b>816.6121</b>	<b>816.6121</b>	<b>0.0265</b>	<b>0.0000</b>	<b>817.1676</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	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
<b>Total</b>	<b>0.2471</b>	<b>2.2629</b>	<b>2.1582</b>	<b>3.5000e-003</b>		<b>0.1246</b>	<b>0.1246</b>		<b>0.1172</b>	<b>0.1172</b>	<b>0.0000</b>	<b>301.0335</b>	<b>301.0335</b>	<b>0.0725</b>	<b>0.0000</b>	<b>302.5565</b>

**3.5 Building Construction - 2021****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1269	0.7792	1.7172	3.5400e-003	0.0962	0.0135	0.1097	0.0276	0.0125	0.0401	0.0000	300.3357	300.3357	2.3100e-003	0.0000	300.3842
Worker	0.1781	0.2639	2.5112	8.0400e-003	0.6740	5.0700e-003	0.6790	0.1793	4.7000e-003	0.1840	0.0000	516.2764	516.2764	0.0242	0.0000	516.7834
<b>Total</b>	<b>0.3050</b>	<b>1.0431</b>	<b>4.2284</b>	<b>0.0116</b>	<b>0.7702</b>	<b>0.0186</b>	<b>0.7888</b>	<b>0.2069</b>	<b>0.0172</b>	<b>0.2241</b>	<b>0.0000</b>	<b>816.6121</b>	<b>816.6121</b>	<b>0.0265</b>	<b>0.0000</b>	<b>817.1676</b>

**3.5 Building Construction - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9946	299.9946	0.0718	0.0000	301.5017
<b>Total</b>	<b>0.2209</b>	<b>2.0197</b>	<b>2.1226</b>	<b>3.4900e-003</b>		<b>0.1047</b>	<b>0.1047</b>		<b>0.0986</b>	<b>0.0986</b>	<b>0.0000</b>	<b>299.9946</b>	<b>299.9946</b>	<b>0.0718</b>	<b>0.0000</b>	<b>301.5017</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1209	0.6853	1.6303	3.5200e-003	0.0959	0.0133	0.1091	0.0275	0.0122	0.0398	0.0000	298.9110	298.9110	2.3500e-003	0.0000	298.9602
Worker	0.1677	0.2456	2.3388	8.0000e-003	0.6714	5.0200e-003	0.6764	0.1786	4.6600e-003	0.1833	0.0000	505.9069	505.9069	0.0229	0.0000	506.3882
<b>Total</b>	<b>0.2886</b>	<b>0.9309</b>	<b>3.9690</b>	<b>0.0115</b>	<b>0.7673</b>	<b>0.0183</b>	<b>0.7855</b>	<b>0.2061</b>	<b>0.0169</b>	<b>0.2230</b>	<b>0.0000</b>	<b>804.8179</b>	<b>804.8179</b>	<b>0.0253</b>	<b>0.0000</b>	<b>805.3484</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	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9943	299.9943	0.0718	0.0000	301.5013
<b>Total</b>	<b>0.2209</b>	<b>2.0197</b>	<b>2.1226</b>	<b>3.4900e-003</b>		<b>0.1047</b>	<b>0.1047</b>		<b>0.0986</b>	<b>0.0986</b>	<b>0.0000</b>	<b>299.9943</b>	<b>299.9943</b>	<b>0.0718</b>	<b>0.0000</b>	<b>301.5013</b>

**3.5 Building Construction - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1209	0.6853	1.6303	3.5200e-003	0.0959	0.0133	0.1091	0.0275	0.0122	0.0398	0.0000	298.9110	298.9110	2.3500e-003	0.0000	298.9602
Worker	0.1677	0.2456	2.3388	8.0000e-003	0.6714	5.0200e-003	0.6764	0.1786	4.6600e-003	0.1833	0.0000	505.9069	505.9069	0.0229	0.0000	506.3882
<b>Total</b>	<b>0.2886</b>	<b>0.9309</b>	<b>3.9690</b>	<b>0.0115</b>	<b>0.7673</b>	<b>0.0183</b>	<b>0.7855</b>	<b>0.2061</b>	<b>0.0169</b>	<b>0.2230</b>	<b>0.0000</b>	<b>804.8179</b>	<b>804.8179</b>	<b>0.0253</b>	<b>0.0000</b>	<b>805.3484</b>

**3.5 Building Construction - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0980	300.0980	0.0713	0.0000	301.5949
<b>Total</b>	<b>0.2036</b>	<b>1.8606</b>	<b>2.1072</b>	<b>3.4900e-003</b>		<b>0.0906</b>	<b>0.0906</b>		<b>0.0852</b>	<b>0.0852</b>	<b>0.0000</b>	<b>300.0980</b>	<b>300.0980</b>	<b>0.0713</b>	<b>0.0000</b>	<b>301.5949</b>

### 3.5 Building Construction - 2023

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1127	0.5770	1.5593	3.5100e-003	0.0959	0.0129	0.1088	0.0276	0.0119	0.0394	0.0000	298.0568	298.0568	2.1700e-003	0.0000	298.1024
Worker	0.1588	0.2303	2.1909	8.0000e-003	0.6714	5.0100e-003	0.6764	0.1786	4.6400e-003	0.1832	0.0000	498.2839	498.2839	0.0219	0.0000	498.7443
<b>Total</b>	<b>0.2715</b>	<b>0.8073</b>	<b>3.7503</b>	<b>0.0115</b>	<b>0.7673</b>	<b>0.0179</b>	<b>0.7852</b>	<b>0.2061</b>	<b>0.0165</b>	<b>0.2227</b>	<b>0.0000</b>	<b>796.3407</b>	<b>796.3407</b>	<b>0.0241</b>	<b>0.0000</b>	<b>796.8466</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	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0976	300.0976	0.0713	0.0000	301.5946
<b>Total</b>	<b>0.2036</b>	<b>1.8606</b>	<b>2.1072</b>	<b>3.4900e-003</b>		<b>0.0906</b>	<b>0.0906</b>		<b>0.0852</b>	<b>0.0852</b>	<b>0.0000</b>	<b>300.0976</b>	<b>300.0976</b>	<b>0.0713</b>	<b>0.0000</b>	<b>301.5946</b>

### 3.5 Building Construction - 2023

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1127	0.5770	1.5593	3.5100e-003	0.0959	0.0129	0.1088	0.0276	0.0119	0.0394	0.0000	298.0568	298.0568	2.1700e-003	0.0000	298.1024
Worker	0.1588	0.2303	2.1909	8.0000e-003	0.6714	5.0100e-003	0.6764	0.1786	4.6400e-003	0.1832	0.0000	498.2839	498.2839	0.0219	0.0000	498.7443
<b>Total</b>	<b>0.2715</b>	<b>0.8073</b>	<b>3.7503</b>	<b>0.0115</b>	<b>0.7673</b>	<b>0.0179</b>	<b>0.7852</b>	<b>0.2061</b>	<b>0.0165</b>	<b>0.2227</b>	<b>0.0000</b>	<b>796.3407</b>	<b>796.3407</b>	<b>0.0241</b>	<b>0.0000</b>	<b>796.8466</b>

### 3.5 Building Construction - 2024

#### 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	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4646	302.4646	0.0714	0.0000	303.9643
<b>Total</b>	<b>0.1920</b>	<b>1.7524</b>	<b>2.1135</b>	<b>3.5200e-003</b>		<b>0.0800</b>	<b>0.0800</b>		<b>0.0752</b>	<b>0.0752</b>	<b>0.0000</b>	<b>302.4646</b>	<b>302.4646</b>	<b>0.0714</b>	<b>0.0000</b>	<b>303.9643</b>

### 3.5 Building Construction - 2024

#### 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	0.1086	0.5759	1.5090	3.5400e-003	0.0966	0.0131	0.1097	0.0278	0.0121	0.0398	0.0000	300.4091	300.4091	2.1900e-003	0.0000	300.4552
Worker	0.1520	0.2188	2.0852	8.0600e-003	0.6766	5.0400e-003	0.6816	0.1800	4.6700e-003	0.1846	0.0000	495.2442	495.2442	0.0212	0.0000	495.6901
<b>Total</b>	<b>0.2606</b>	<b>0.7948</b>	<b>3.5942</b>	<b>0.0116</b>	<b>0.7732</b>	<b>0.0181</b>	<b>0.7913</b>	<b>0.2077</b>	<b>0.0167</b>	<b>0.2245</b>	<b>0.0000</b>	<b>795.6534</b>	<b>795.6534</b>	<b>0.0234</b>	<b>0.0000</b>	<b>796.1453</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	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4642	302.4642	0.0714	0.0000	303.9639
<b>Total</b>	<b>0.1920</b>	<b>1.7524</b>	<b>2.1135</b>	<b>3.5200e-003</b>		<b>0.0800</b>	<b>0.0800</b>		<b>0.0752</b>	<b>0.0752</b>	<b>0.0000</b>	<b>302.4642</b>	<b>302.4642</b>	<b>0.0714</b>	<b>0.0000</b>	<b>303.9639</b>

### 3.5 Building Construction - 2024

#### 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	0.1086	0.5759	1.5090	3.5400e-003	0.0966	0.0131	0.1097	0.0278	0.0121	0.0398	0.0000	300.4091	300.4091	2.1900e-003	0.0000	300.4552
Worker	0.1520	0.2188	2.0852	8.0600e-003	0.6766	5.0400e-003	0.6816	0.1800	4.6700e-003	0.1846	0.0000	495.2442	495.2442	0.0212	0.0000	495.6901
<b>Total</b>	<b>0.2606</b>	<b>0.7948</b>	<b>3.5942</b>	<b>0.0116</b>	<b>0.7732</b>	<b>0.0181</b>	<b>0.7913</b>	<b>0.2077</b>	<b>0.0167</b>	<b>0.2245</b>	<b>0.0000</b>	<b>795.6534</b>	<b>795.6534</b>	<b>0.0234</b>	<b>0.0000</b>	<b>796.1453</b>

### 3.5 Building Construction - 2025

#### 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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4019</b>	<b>301.4019</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8874</b>



### 3.5 Building Construction - 2025

#### 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	0.1054	0.5691	1.4661	3.5200e-003	0.0963	0.0131	0.1094	0.0277	0.0121	0.0397	0.0000	299.3292	299.3292	2.1900e-003	0.0000	299.3753
Worker	0.1450	0.2071	1.9786	8.0300e-003	0.6740	5.0300e-003	0.6790	0.1793	4.6700e-003	0.1839	0.0000	487.3211	487.3211	0.0204	0.0000	487.7503
<b>Total</b>	<b>0.2504</b>	<b>0.7761</b>	<b>3.4447</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0181</b>	<b>0.7884</b>	<b>0.2070</b>	<b>0.0167</b>	<b>0.2237</b>	<b>0.0000</b>	<b>786.6504</b>	<b>786.6504</b>	<b>0.0226</b>	<b>0.0000</b>	<b>787.1256</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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4015</b>	<b>301.4015</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8871</b>

### 3.5 Building Construction - 2025

#### 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	0.1054	0.5691	1.4661	3.5200e-003	0.0963	0.0131	0.1094	0.0277	0.0121	0.0397	0.0000	299.3292	299.3292	2.1900e-003	0.0000	299.3753
Worker	0.1450	0.2071	1.9786	8.0300e-003	0.6740	5.0300e-003	0.6790	0.1793	4.6700e-003	0.1839	0.0000	487.3211	487.3211	0.0204	0.0000	487.7503
<b>Total</b>	<b>0.2504</b>	<b>0.7761</b>	<b>3.4447</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0181</b>	<b>0.7884</b>	<b>0.2070</b>	<b>0.0167</b>	<b>0.2237</b>	<b>0.0000</b>	<b>786.6504</b>	<b>786.6504</b>	<b>0.0226</b>	<b>0.0000</b>	<b>787.1256</b>

### 3.5 Building Construction - 2026

#### 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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4019</b>	<b>301.4019</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8874</b>

### 3.5 Building Construction - 2026

#### 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	0.1028	0.5585	1.4472	3.5200e-003	0.0963	0.0129	0.1092	0.0277	0.0118	0.0395	0.0000	299.3329	299.3329	2.1600e-003	0.0000	299.3783
Worker	0.1391	0.1976	1.8929	8.0300e-003	0.6740	5.0600e-003	0.6790	0.1793	4.6900e-003	0.1840	0.0000	482.0535	482.0535	0.0198	0.0000	482.4696
<b>Total</b>	<b>0.2419</b>	<b>0.7561</b>	<b>3.3401</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0179</b>	<b>0.7882</b>	<b>0.2070</b>	<b>0.0165</b>	<b>0.2235</b>	<b>0.0000</b>	<b>781.3863</b>	<b>781.3863</b>	<b>0.0220</b>	<b>0.0000</b>	<b>781.8479</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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4015</b>	<b>301.4015</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8871</b>

**3.5 Building Construction - 2026****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	0.1028	0.5585	1.4472	3.5200e-003	0.0963	0.0129	0.1092	0.0277	0.0118	0.0395	0.0000	299.3329	299.3329	2.1600e-003	0.0000	299.3783
Worker	0.1391	0.1976	1.8929	8.0300e-003	0.6740	5.0600e-003	0.6790	0.1793	4.6900e-003	0.1840	0.0000	482.0535	482.0535	0.0198	0.0000	482.4696
<b>Total</b>	<b>0.2419</b>	<b>0.7561</b>	<b>3.3401</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0179</b>	<b>0.7882</b>	<b>0.2070</b>	<b>0.0165</b>	<b>0.2235</b>	<b>0.0000</b>	<b>781.3863</b>	<b>781.3863</b>	<b>0.0220</b>	<b>0.0000</b>	<b>781.8479</b>

**3.5 Building Construction - 2027****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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4019</b>	<b>301.4019</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8874</b>

### 3.5 Building Construction - 2027

#### 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	0.1017	0.5546	1.4343	3.5200e-003	0.0963	0.0129	0.1092	0.0277	0.0119	0.0395	0.0000	299.3786	299.3786	2.1700e-003	0.0000	299.4241
Worker	0.1337	0.1893	1.8179	8.0300e-003	0.6740	5.0800e-003	0.6791	0.1793	4.7100e-003	0.1840	0.0000	477.4486	477.4486	0.0193	0.0000	477.8531
<b>Total</b>	<b>0.2354</b>	<b>0.7439</b>	<b>3.2522</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0180</b>	<b>0.7883</b>	<b>0.2070</b>	<b>0.0166</b>	<b>0.2235</b>	<b>0.0000</b>	<b>776.8272</b>	<b>776.8272</b>	<b>0.0214</b>	<b>0.0000</b>	<b>777.2772</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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4015</b>	<b>301.4015</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8871</b>

### 3.5 Building Construction - 2027

#### 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	0.1017	0.5546	1.4343	3.5200e-003	0.0963	0.0129	0.1092	0.0277	0.0119	0.0395	0.0000	299.3786	299.3786	2.1700e-003	0.0000	299.4241
Worker	0.1337	0.1893	1.8179	8.0300e-003	0.6740	5.0800e-003	0.6791	0.1793	4.7100e-003	0.1840	0.0000	477.4486	477.4486	0.0193	0.0000	477.8531
<b>Total</b>	<b>0.2354</b>	<b>0.7439</b>	<b>3.2522</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0180</b>	<b>0.7883</b>	<b>0.2070</b>	<b>0.0166</b>	<b>0.2235</b>	<b>0.0000</b>	<b>776.8272</b>	<b>776.8272</b>	<b>0.0214</b>	<b>0.0000</b>	<b>777.2772</b>

### 3.5 Building Construction - 2028

#### 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	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2471	300.2471	0.0705	0.0000	301.7269
<b>Total</b>	<b>0.1770</b>	<b>1.6133</b>	<b>2.0867</b>	<b>3.4900e-003</b>		<b>0.0683</b>	<b>0.0683</b>		<b>0.0642</b>	<b>0.0642</b>	<b>0.0000</b>	<b>300.2471</b>	<b>300.2471</b>	<b>0.0705</b>	<b>0.0000</b>	<b>301.7269</b>

### 3.5 Building Construction - 2028

#### 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	0.0000
Vendor	0.1005	0.5486	1.4170	3.5100e-003	0.0959	0.0128	0.1088	0.0276	0.0118	0.0394	0.0000	298.2667	298.2667	2.1600e-003	0.0000	0.0000	298.3119
Worker	0.1281	0.1807	1.7433	8.0000e-003	0.6714	5.0800e-003	0.6765	0.1786	4.7100e-003	0.1833	0.0000	471.6304	471.6304	0.0187	0.0000	0.0000	472.0227
<b>Total</b>	<b>0.2287</b>	<b>0.7293</b>	<b>3.1604</b>	<b>0.0115</b>	<b>0.7673</b>	<b>0.0179</b>	<b>0.7852</b>	<b>0.2062</b>	<b>0.0165</b>	<b>0.2227</b>	<b>0.0000</b>	<b>769.8971</b>	<b>769.8971</b>	<b>0.0208</b>	<b>0.0000</b>	<b>0.0000</b>	<b>770.3347</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	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2467	300.2467	0.0705	0.0000	0.0000	301.7266
<b>Total</b>	<b>0.1770</b>	<b>1.6133</b>	<b>2.0867</b>	<b>3.4900e-003</b>		<b>0.0683</b>	<b>0.0683</b>		<b>0.0642</b>	<b>0.0642</b>	<b>0.0000</b>	<b>300.2467</b>	<b>300.2467</b>	<b>0.0705</b>	<b>0.0000</b>	<b>0.0000</b>	<b>301.7266</b>

### 3.5 Building Construction - 2028

#### 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	0.1005	0.5486	1.4170	3.5100e-003	0.0959	0.0128	0.1088	0.0276	0.0118	0.0394	0.0000	298.2667	298.2667	2.1600e-003	0.0000	298.3119
Worker	0.1281	0.1807	1.7433	8.0000e-003	0.6714	5.0800e-003	0.6765	0.1786	4.7100e-003	0.1833	0.0000	471.6304	471.6304	0.0187	0.0000	472.0227
<b>Total</b>	<b>0.2287</b>	<b>0.7293</b>	<b>3.1604</b>	<b>0.0115</b>	<b>0.7673</b>	<b>0.0179</b>	<b>0.7852</b>	<b>0.2062</b>	<b>0.0165</b>	<b>0.2227</b>	<b>0.0000</b>	<b>769.8971</b>	<b>769.8971</b>	<b>0.0208</b>	<b>0.0000</b>	<b>770.3347</b>

### 3.5 Building Construction - 2029

#### 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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4019</b>	<b>301.4019</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8874</b>



### 3.5 Building Construction - 2029

#### 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	0.0992	0.5479	1.3999	3.5200e-003	0.0963	0.0129	0.1092	0.0277	0.0118	0.0395	0.0000	299.4528	299.4528	2.1700e-003	0.0000	299.4983
Worker	0.1236	0.1738	1.6839	8.0300e-003	0.6740	5.1100e-003	0.6791	0.1793	4.7400e-003	0.1840	0.0000	469.9615	469.9615	0.0183	0.0000	470.3449
<b>Total</b>	<b>0.2228</b>	<b>0.7217</b>	<b>3.0838</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0180</b>	<b>0.7883</b>	<b>0.2070</b>	<b>0.0166</b>	<b>0.2236</b>	<b>0.0000</b>	<b>769.4143</b>	<b>769.4143</b>	<b>0.0204</b>	<b>0.0000</b>	<b>769.8432</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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4015</b>	<b>301.4015</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8871</b>

### 3.5 Building Construction - 2029

#### 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	0.0992	0.5479	1.3999	3.5200e-003	0.0963	0.0129	0.1092	0.0277	0.0118	0.0395	0.0000	299.4528	299.4528	2.1700e-003	0.0000	299.4983
Worker	0.1236	0.1738	1.6839	8.0300e-003	0.6740	5.1100e-003	0.6791	0.1793	4.7400e-003	0.1840	0.0000	469.9615	469.9615	0.0183	0.0000	470.3449
<b>Total</b>	<b>0.2228</b>	<b>0.7217</b>	<b>3.0838</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0180</b>	<b>0.7883</b>	<b>0.2070</b>	<b>0.0166</b>	<b>0.2236</b>	<b>0.0000</b>	<b>769.4143</b>	<b>769.4143</b>	<b>0.0204</b>	<b>0.0000</b>	<b>769.8432</b>

### 3.5 Building Construction - 2030

#### 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	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
<b>Total</b>	<b>0.1702</b>	<b>1.0333</b>	<b>2.1051</b>	<b>4.0200e-003</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>	<b>0.0000</b>	<b>341.5281</b>	<b>341.5281</b>	<b>0.0137</b>	<b>0.0000</b>	<b>341.8160</b>

### 3.5 Building Construction - 2030

#### 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	0.0000
Vendor	0.0973	0.5452	1.3815	3.5200e-003	0.0963	0.0129	0.1092	0.0277	0.0119	0.0396	0.0000	299.4910	299.4910	2.1700e-003	0.0000	0.0000	299.5365
Worker	0.1189	0.1667	1.6260	8.0300e-003	0.6740	5.1200e-003	0.6791	0.1793	4.7500e-003	0.1840	0.0000	466.9631	466.9631	0.0178	0.0000	0.0000	467.3369
<b>Total</b>	<b>0.2162</b>	<b>0.7119</b>	<b>3.0075</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0180</b>	<b>0.7883</b>	<b>0.2070</b>	<b>0.0166</b>	<b>0.2236</b>	<b>0.0000</b>	<b>766.4541</b>	<b>766.4541</b>	<b>0.0200</b>	<b>0.0000</b>	<b>0.0000</b>	<b>766.8734</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	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5277	341.5277	0.0137	0.0000	0.0000	341.8156
<b>Total</b>	<b>0.1702</b>	<b>1.0333</b>	<b>2.1051</b>	<b>4.0200e-003</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>	<b>0.0000</b>	<b>341.5277</b>	<b>341.5277</b>	<b>0.0137</b>	<b>0.0000</b>	<b>0.0000</b>	<b>341.8156</b>

### 3.5 Building Construction - 2030

#### 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	0.0973	0.5452	1.3815	3.5200e-003	0.0963	0.0129	0.1092	0.0277	0.0119	0.0396	0.0000	299.4910	299.4910	2.1700e-003	0.0000	299.5365
Worker	0.1189	0.1667	1.6260	8.0300e-003	0.6740	5.1200e-003	0.6791	0.1793	4.7500e-003	0.1840	0.0000	466.9631	466.9631	0.0178	0.0000	467.3369
<b>Total</b>	<b>0.2162</b>	<b>0.7119</b>	<b>3.0075</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0180</b>	<b>0.7883</b>	<b>0.2070</b>	<b>0.0166</b>	<b>0.2236</b>	<b>0.0000</b>	<b>766.4541</b>	<b>766.4541</b>	<b>0.0200</b>	<b>0.0000</b>	<b>766.8734</b>

### 3.5 Building Construction - 2031

#### 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	0.0509	0.3088	0.6291	1.2000e-003		5.7600e-003	5.7600e-003		5.7600e-003	5.7600e-003	0.0000	102.0659	102.0659	4.1000e-003	0.0000	102.1519
<b>Total</b>	<b>0.0509</b>	<b>0.3088</b>	<b>0.6291</b>	<b>1.2000e-003</b>		<b>5.7600e-003</b>	<b>5.7600e-003</b>		<b>5.7600e-003</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>102.0659</b>	<b>102.0659</b>	<b>4.1000e-003</b>	<b>0.0000</b>	<b>102.1519</b>

### 3.5 Building Construction - 2031

#### 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	0.0289	0.1625	0.4115	1.0500e-003	0.0288	3.8500e-003	0.0327	8.2800e-003	3.5400e-003	0.0118	0.0000	89.5071	89.5071	6.5000e-004	0.0000	89.5207
Worker	0.0341	0.0477	0.4692	2.4000e-003	0.2014	1.5300e-003	0.2030	0.0536	1.4200e-003	0.0550	0.0000	138.7821	138.7821	5.1900e-003	0.0000	138.8910
<b>Total</b>	<b>0.0630</b>	<b>0.2102</b>	<b>0.8807</b>	<b>3.4500e-003</b>	<b>0.2302</b>	<b>5.3800e-003</b>	<b>0.2356</b>	<b>0.0619</b>	<b>4.9600e-003</b>	<b>0.0668</b>	<b>0.0000</b>	<b>228.2892</b>	<b>228.2892</b>	<b>5.8400e-003</b>	<b>0.0000</b>	<b>228.4117</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	0.0509	0.3088	0.6291	1.2000e-003		5.7600e-003	5.7600e-003		5.7600e-003	5.7600e-003	0.0000	102.0658	102.0658	4.1000e-003	0.0000	102.1518
<b>Total</b>	<b>0.0509</b>	<b>0.3088</b>	<b>0.6291</b>	<b>1.2000e-003</b>		<b>5.7600e-003</b>	<b>5.7600e-003</b>		<b>5.7600e-003</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>102.0658</b>	<b>102.0658</b>	<b>4.1000e-003</b>	<b>0.0000</b>	<b>102.1518</b>

### 3.5 Building Construction - 2031

#### 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	0.0289	0.1625	0.4115	1.0500e-003	0.0288	3.8500e-003	0.0327	8.2800e-003	3.5400e-003	0.0118	0.0000	89.5071	89.5071	6.5000e-004	0.0000	89.5207
Worker	0.0341	0.0477	0.4692	2.4000e-003	0.2014	1.5300e-003	0.2030	0.0536	1.4200e-003	0.0550	0.0000	138.7821	138.7821	5.1900e-003	0.0000	138.8910
<b>Total</b>	<b>0.0630</b>	<b>0.2102</b>	<b>0.8807</b>	<b>3.4500e-003</b>	<b>0.2302</b>	<b>5.3800e-003</b>	<b>0.2356</b>	<b>0.0619</b>	<b>4.9600e-003</b>	<b>0.0668</b>	<b>0.0000</b>	<b>228.2892</b>	<b>228.2892</b>	<b>5.8400e-003</b>	<b>0.0000</b>	<b>228.4117</b>

### 3.6 Paving - 2031

#### 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	0.1240	0.6387	1.4200	2.5100e-003		0.0296	0.0296		0.0296	0.0296	0.0000	215.8181	215.8181	0.0101	0.0000	216.0306
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>0.1240</b>	<b>0.6387</b>	<b>1.4200</b>	<b>2.5100e-003</b>		<b>0.0296</b>	<b>0.0296</b>		<b>0.0296</b>	<b>0.0296</b>	<b>0.0000</b>	<b>215.8181</b>	<b>215.8181</b>	<b>0.0101</b>	<b>0.0000</b>	<b>216.0306</b>

### 3.6 Paving - 2031

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	2.9500e-003	0.0290	1.5000e-004	0.0125	9.0000e-005	0.0126	3.3100e-003	9.0000e-005	3.4000e-003	0.0000	8.5836	8.5836	3.2000e-004	0.0000	8.5903
<b>Total</b>	<b>2.1100e-003</b>	<b>2.9500e-003</b>	<b>0.0290</b>	<b>1.5000e-004</b>	<b>0.0125</b>	<b>9.0000e-005</b>	<b>0.0126</b>	<b>3.3100e-003</b>	<b>9.0000e-005</b>	<b>3.4000e-003</b>	<b>0.0000</b>	<b>8.5836</b>	<b>8.5836</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>8.5903</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	0.1240	0.6387	1.4200	2.5100e-003		0.0296	0.0296		0.0296	0.0296	0.0000	215.8179	215.8179	0.0101	0.0000	216.0303
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>0.1240</b>	<b>0.6387</b>	<b>1.4200</b>	<b>2.5100e-003</b>		<b>0.0296</b>	<b>0.0296</b>		<b>0.0296</b>	<b>0.0296</b>	<b>0.0000</b>	<b>215.8179</b>	<b>215.8179</b>	<b>0.0101</b>	<b>0.0000</b>	<b>216.0303</b>

### 3.6 Paving - 2031

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	2.9500e-003	0.0290	1.5000e-004	0.0125	9.0000e-005	0.0126	3.3100e-003	9.0000e-005	3.4000e-003	0.0000	8.5836	8.5836	3.2000e-004	0.0000	8.5903
<b>Total</b>	<b>2.1100e-003</b>	<b>2.9500e-003</b>	<b>0.0290</b>	<b>1.5000e-004</b>	<b>0.0125</b>	<b>9.0000e-005</b>	<b>0.0126</b>	<b>3.3100e-003</b>	<b>9.0000e-005</b>	<b>3.4000e-003</b>	<b>0.0000</b>	<b>8.5836</b>	<b>8.5836</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>8.5903</b>

### 3.6 Paving - 2032

#### 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	0.0251	0.1291	0.2871	5.1000e-004		5.9800e-003	5.9800e-003		5.9800e-003	5.9800e-003	0.0000	43.6354	43.6354	2.0500e-003	0.0000	43.6783
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>0.0251</b>	<b>0.1291</b>	<b>0.2871</b>	<b>5.1000e-004</b>		<b>5.9800e-003</b>	<b>5.9800e-003</b>		<b>5.9800e-003</b>	<b>5.9800e-003</b>	<b>0.0000</b>	<b>43.6354</b>	<b>43.6354</b>	<b>2.0500e-003</b>	<b>0.0000</b>	<b>43.6783</b>



### 3.6 Paving - 2032

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	5.7000e-004	5.6900e-003	3.0000e-005	2.5200e-003	2.0000e-005	2.5400e-003	6.7000e-004	2.0000e-005	6.9000e-004	0.0000	1.7274	1.7274	6.0000e-005	0.0000	1.7287
<b>Total</b>	<b>4.1000e-004</b>	<b>5.7000e-004</b>	<b>5.6900e-003</b>	<b>3.0000e-005</b>	<b>2.5200e-003</b>	<b>2.0000e-005</b>	<b>2.5400e-003</b>	<b>6.7000e-004</b>	<b>2.0000e-005</b>	<b>6.9000e-004</b>	<b>0.0000</b>	<b>1.7274</b>	<b>1.7274</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.7287</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	0.0251	0.1291	0.2871	5.1000e-004		5.9800e-003	5.9800e-003		5.9800e-003	5.9800e-003	0.0000	43.6353	43.6353	2.0500e-003	0.0000	43.6783
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>0.0251</b>	<b>0.1291</b>	<b>0.2871</b>	<b>5.1000e-004</b>		<b>5.9800e-003</b>	<b>5.9800e-003</b>		<b>5.9800e-003</b>	<b>5.9800e-003</b>	<b>0.0000</b>	<b>43.6353</b>	<b>43.6353</b>	<b>2.0500e-003</b>	<b>0.0000</b>	<b>43.6783</b>

### 3.6 Paving - 2032

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	5.7000e-004	5.6900e-003	3.0000e-005	2.5200e-003	2.0000e-005	2.5400e-003	6.7000e-004	2.0000e-005	6.9000e-004	0.0000	1.7274	1.7274	6.0000e-005	0.0000	1.7287
<b>Total</b>	<b>4.1000e-004</b>	<b>5.7000e-004</b>	<b>5.6900e-003</b>	<b>3.0000e-005</b>	<b>2.5200e-003</b>	<b>2.0000e-005</b>	<b>2.5400e-003</b>	<b>6.7000e-004</b>	<b>2.0000e-005</b>	<b>6.9000e-004</b>	<b>0.0000</b>	<b>1.7274</b>	<b>1.7274</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.7287</b>

### 3.7 Architectural Coating - 2032

#### 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	20.1309					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.0942	0.1978	3.3000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	28.0858	28.0858	1.1400e-003	0.0000	28.1097
<b>Total</b>	<b>20.1452</b>	<b>0.0942</b>	<b>0.1978</b>	<b>3.3000e-004</b>		<b>2.2300e-003</b>	<b>2.2300e-003</b>		<b>2.2300e-003</b>	<b>2.2300e-003</b>	<b>0.0000</b>	<b>28.0858</b>	<b>28.0858</b>	<b>1.1400e-003</b>	<b>0.0000</b>	<b>28.1097</b>

### 3.7 Architectural Coating - 2032

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0186	0.0260	0.2573	1.3600e-003	0.1138	8.6000e-004	0.1147	0.0303	8.0000e-004	0.0311	0.0000	78.0601	78.0601	2.8700e-003	0.0000	78.1203
<b>Total</b>	<b>0.0186</b>	<b>0.0260</b>	<b>0.2573</b>	<b>1.3600e-003</b>	<b>0.1138</b>	<b>8.6000e-004</b>	<b>0.1147</b>	<b>0.0303</b>	<b>8.0000e-004</b>	<b>0.0311</b>	<b>0.0000</b>	<b>78.0601</b>	<b>78.0601</b>	<b>2.8700e-003</b>	<b>0.0000</b>	<b>78.1203</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	20.1309					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.0942	0.1978	3.3000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	28.0858	28.0858	1.1400e-003	0.0000	28.1096
<b>Total</b>	<b>20.1452</b>	<b>0.0942</b>	<b>0.1978</b>	<b>3.3000e-004</b>		<b>2.2300e-003</b>	<b>2.2300e-003</b>		<b>2.2300e-003</b>	<b>2.2300e-003</b>	<b>0.0000</b>	<b>28.0858</b>	<b>28.0858</b>	<b>1.1400e-003</b>	<b>0.0000</b>	<b>28.1096</b>

### 3.7 Architectural Coating - 2032

#### 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	0.0186	0.0260	0.2573	1.3600e-003	0.1138	8.6000e-004	0.1147	0.0303	8.0000e-004	0.0311	0.0000	78.0601	78.0601	2.8700e-003	0.0000	78.1203
<b>Total</b>	<b>0.0186</b>	<b>0.0260</b>	<b>0.2573</b>	<b>1.3600e-003</b>	<b>0.1138</b>	<b>8.6000e-004</b>	<b>0.1147</b>	<b>0.0303</b>	<b>8.0000e-004</b>	<b>0.0311</b>	<b>0.0000</b>	<b>78.0601</b>	<b>78.0601</b>	<b>2.8700e-003</b>	<b>0.0000</b>	<b>78.1203</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	6.2561	6.3396	44.7537	0.1030	7.6382	0.0648	7.7030	2.0422	0.0604	2.1025	0.0000	7,560.6196	7,560.6196	0.2346	0.0000	7,565.5457
Unmitigated	6.2561	6.3396	44.7537	0.1030	7.6382	0.0648	7.7030	2.0422	0.0604	2.1025	0.0000	7,560.6196	7,560.6196	0.2346	0.0000	7,565.5457

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	2,779.92	2,831.40	2831.40	7,806,845	7,806,845
General Light Industry	1,110.00	1,110.00	1110.00		
Regional Shopping Center	3,151.26	3,151.26	3151.26	5,109,735	5,109,735
Single Family Housing	2,776.95	2,776.95	2776.95	7,757,460	7,757,460
<b>Total</b>	<b>9,818.13</b>	<b>9,869.61</b>	<b>9,869.61</b>	<b>20,674,040</b>	<b>20,674,040</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-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	11.00	6.50	6.50	26.10	29.10	44.80	100	0	0
General Light Industry	0.00	0.00	0.00	59.00	28.00	13.00	100	0	0
Regional Shopping Center	11.00	6.50	5.70	16.30	64.70	19.00	54	35	11
Single Family Housing	11.00	6.50	6.50	26.10	29.10	44.80	100	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.576024	0.040328	0.182594	0.117261	0.017100	0.004888	0.017957	0.012200	0.000645	0.000596	0.026636	0.000298	0.002877

### 5.0 Energy Detail

#### 5.0.1 Fleet Mix

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	1,723.0220	1,723.0220	0.0779	0.0161	1,729.6551
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,723.0220	1,723.0220	0.0779	0.0161	1,729.6551
NaturalGas Mitigated	0.1770	1.5141	0.6528	9.6600e-003		0.1223	0.1223		0.1223	0.1223	0.0000	1,752.0931	1,752.0931	0.0336	0.0321	1,762.7561
NaturalGas Unmitigated	0.1770	1.5141	0.6528	9.6600e-003		0.1223	0.1223		0.1223	0.1223	0.0000	1,752.0931	1,752.0931	0.0336	0.0321	1,762.7561

**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					
Condo/Townhouse	1.38934e+007	0.0749	0.6402	0.2724	4.0900e-003		0.0518	0.0518		0.0518	0.0518	0.0000	741.4072	741.4072	0.0142	0.0136	745.9192
General Light Industry	25680	1.4000e-004	1.2600e-003	1.0600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.3704	1.3704	3.0000e-005	3.0000e-005	1.3787
Regional Shopping Center	393600	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.0040	21.0040	4.0000e-004	3.9000e-004	21.1318
Single Family Housing	1.85203e+007	0.0999	0.8534	0.3631	5.4500e-003		0.0690	0.0690		0.0690	0.0690	0.0000	988.3116	988.3116	0.0189	0.0181	994.3263
<b>Total</b>		<b>0.1770</b>	<b>1.5141</b>	<b>0.6528</b>	<b>9.6700e-003</b>		<b>0.1223</b>	<b>0.1223</b>		<b>0.1223</b>	<b>0.1223</b>	<b>0.0000</b>	<b>1,752.0931</b>	<b>1,752.0931</b>	<b>0.0336</b>	<b>0.0321</b>	<b>1,762.7561</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	25680	1.4000e-004	1.2600e-003	1.0600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.3704	1.3704	3.0000e-005	3.0000e-005	1.3787
Regional Shopping Center	393600	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.0040	21.0040	4.0000e-004	3.9000e-004	21.1318
Single Family Housing	1.85203e+007	0.0999	0.8534	0.3631	5.4500e-003		0.0690	0.0690		0.0690	0.0690	0.0000	988.3116	988.3116	0.0189	0.0181	994.3263
Condo/Townhouse	1.38934e+007	0.0749	0.6402	0.2724	4.0900e-003		0.0518	0.0518		0.0518	0.0518	0.0000	741.4072	741.4072	0.0142	0.0136	745.9192
<b>Total</b>		<b>0.1770</b>	<b>1.5141</b>	<b>0.6528</b>	<b>9.6700e-003</b>		<b>0.1223</b>	<b>0.1223</b>		<b>0.1223</b>	<b>0.1223</b>	<b>0.0000</b>	<b>1,752.0931</b>	<b>1,752.0931</b>	<b>0.0336</b>	<b>0.0321</b>	<b>1,762.7561</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	2.43826e+006	709.3174	0.0321	6.6400e-003	712.0481
General Light Industry	8270	2.4058	1.1000e-004	2.0000e-005	2.4151
Regional Shopping Center	952020	276.9535	0.0125	2.5900e-003	278.0197
Single Family Housing	2.52429e+006	734.3452	0.0332	6.8700e-003	737.1722
<b>Total</b>		<b>1,723.0220</b>	<b>0.0779</b>	<b>0.0161</b>	<b>1,729.6551</b>



### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	2.43826e+006	709.3174	0.0321	6.6400e-003	712.0481
General Light Industry	8270	2.4058	1.1000e-004	2.0000e-005	2.4151
Regional Shopping Center	952020	276.9535	0.0125	2.5900e-003	278.0197
Single Family Housing	2.52429e+006	734.3452	0.0332	6.8700e-003	737.1722
<b>Total</b>		<b>1,723.0220</b>	<b>0.0779</b>	<b>0.0161</b>	<b>1,729.6551</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	8.8021	0.1276	10.8551	4.3600e-003		0.6087	0.6087		0.6087	0.6087	59.5830	40.5394	100.1225	0.1364	3.4300e-003	104.0508
Unmitigated	8.8021	0.1276	10.8551	4.3600e-003		0.6087	0.6087		0.6087	0.6087	59.5830	40.5394	100.1225	0.1364	3.4300e-003	104.0508

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.9059					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.1100					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.5775	0.0477	3.9147	3.9900e-003		0.5702	0.5702		0.5702	0.5702	59.5830	29.1975	88.7806	0.1255	3.4300e-003	92.4803
Landscaping	0.2087	0.0800	6.9403	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.3419	11.3419	0.0109	0.0000	11.5705
<b>Total</b>	<b>8.8021</b>	<b>0.1276</b>	<b>10.8551</b>	<b>4.3600e-003</b>		<b>0.6087</b>	<b>0.6087</b>		<b>0.6087</b>	<b>0.6087</b>	<b>59.5830</b>	<b>40.5394</b>	<b>100.1225</b>	<b>0.1364</b>	<b>3.4300e-003</b>	<b>104.0508</b>

### 6.2 Area by SubCategory

#### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.9059					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.1100					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.5775	0.0477	3.9147	3.9900e-003		0.5702	0.5702		0.5702	0.5702	59.5830	29.1975	88.7806	0.1255	3.4300e-003	92.4803
Landscaping	0.2087	0.0800	6.9403	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.3419	11.3419	0.0109	0.0000	11.5705
<b>Total</b>	<b>8.8021</b>	<b>0.1276</b>	<b>10.8551</b>	<b>4.3600e-003</b>		<b>0.6087</b>	<b>0.6087</b>		<b>0.6087</b>	<b>0.6087</b>	<b>59.5830</b>	<b>40.5394</b>	<b>100.1225</b>	<b>0.1364</b>	<b>3.4300e-003</b>	<b>104.0508</b>

### 7.0 Water Detail

#### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	170.0408	2.1968	0.0530	232.6138
Unmitigated	170.0408	2.1972	0.0531	232.6478

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	37.2681 / 23.4951	94.4105	1.2181	0.0295	129.1194
General Light Industry	0.23125 / 0	0.4374	7.5500e-003	1.8000e-004	0.6522
Regional Shopping Center	6.07395 / 3.72274	15.2786	0.1985	4.8000e-003	20.9350
Single Family Housing	23.6509 / 14.9104	59.9143	0.7730	0.0187	81.9412
<b>Total</b>		<b>170.0408</b>	<b>2.1972</b>	<b>0.0531</b>	<b>232.6478</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	37.2681 / 23.4951	94.4105	1.2179	0.0294	129.1006
General Light Industry	0.23125 / 0	0.4374	7.5500e-003	1.8000e-004	0.6521
Regional Shopping Center	6.07395 / 3.72274	15.2786	0.1985	4.7900e-003	20.9319
Single Family Housing	23.6509 / 14.9104	59.9143	0.7729	0.0187	81.9292
<b>Total</b>		<b>170.0408</b>	<b>2.1968</b>	<b>0.0530</b>	<b>232.6138</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	159.6362	9.4342	0.0000	357.7549
Unmitigated	159.6362	9.4342	0.0000	357.7549

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	263.12	53.4110	3.1565	0.0000	119.6975
General Light Industry	1.24	0.2517	0.0149	0.0000	0.5641
Regional Shopping Center	86.1	17.4775	1.0329	0.0000	39.1683
Single Family Housing	435.96	88.4959	5.2300	0.0000	198.3251
<b>Total</b>		<b>159.6362</b>	<b>9.4342</b>	<b>0.0000</b>	<b>357.7549</b>

## 8.2 Waste by Land Use

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	263.12	53.4110	3.1565	0.0000	119.6975
General Light Industry	1.24	0.2517	0.0149	0.0000	0.5641
Regional Shopping Center	86.1	17.4775	1.0329	0.0000	39.1683
Single Family Housing	435.96	88.4959	5.2300	0.0000	198.3251
<b>Total</b>		<b>159.6362</b>	<b>9.4342</b>	<b>0.0000</b>	<b>357.7549</b>

## 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 Vegetation

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## Oak Knoll - Mobile Emissions - No TDM - New Fleet Mix Alameda County, Annual

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	1.00	1000sqft	0.02	1,000.00	0
Condo/Townhouse	572.00	Dwelling Unit	35.75	572,000.00	1636
Single Family Housing	363.00	Dwelling Unit	117.86	653,400.00	1038
Regional Shopping Center	82.00	1000sqft	1.88	82,000.00	0

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	63
<b>Climate Zone</b>	5			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	641.35	<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 -

Vehicle Trips - Adjusted trip lengths to equal daily and annual project VMT.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	250.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	250.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	250.00



tblArchitecturalCoating	EF_Residential_Interior	100.00	250.00
tblProjectCharacteristics	OperationalYear	2014	2024
tblVehicleEF	HHD	527.63	11,915.71
tblVehicleEF	HHD	1,551.39	1,631.45
tblVehicleEF	HHD	49.32	0.80
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	3.27	36.02
tblVehicleEF	HHD	2.13	2.42
tblVehicleEF	HHD	3.88	0.02
tblVehicleEF	HHD	9.0910e-003	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.07	7.6092e-003
tblVehicleEF	HHD	8.3800e-004	6.4273e-006
tblVehicleEF	HHD	8.3640e-003	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7720e-003	8.9767e-003
tblVehicleEF	HHD	0.07	7.2798e-003
tblVehicleEF	HHD	7.7700e-004	5.9096e-006
tblVehicleEF	HHD	1.2500e-003	1.1619e-004
tblVehicleEF	HHD	0.08	3.3773e-004
tblVehicleEF	HHD	0.61	1.09
tblVehicleEF	HHD	8.9000e-004	8.0637e-005
tblVehicleEF	HHD	0.22	0.09
tblVehicleEF	HHD	0.40	1.4993e-003
tblVehicleEF	HHD	1.60	5.8680e-003
tblVehicleEF	LDA	219.18	238.69
tblVehicleEF	LDA	48.27	54.13

tblVehicleEF	LDA	0.54	0.58
tblVehicleEF	LDA	0.07	0.04
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.8980e-003	1.7351e-003
tblVehicleEF	LDA	4.2000e-003	2.2305e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.7600e-003	1.5990e-003
tblVehicleEF	LDA	3.8970e-003	2.0509e-003
tblVehicleEF	LDA	0.02	0.18
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.02	0.17
tblVehicleEF	LDA	0.01	9.0082e-003
tblVehicleEF	LDA	0.20	0.21
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDT1	271.84	289.65
tblVehicleEF	LDT1	59.80	66.90
tblVehicleEF	LDT1	0.06	0.04
tblVehicleEF	LDT1	0.16	0.09
tblVehicleEF	LDT1	0.17	0.13
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.8090e-003	2.2498e-003
tblVehicleEF	LDT1	4.6960e-003	2.9658e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003

tblVehicleEF	LDT1	2.6050e-003	2.0731e-003
tblVehicleEF	LDT1	4.3570e-003	2.7271e-003
tblVehicleEF	LDT1	0.08	0.47
tblVehicleEF	LDT1	0.21	0.22
tblVehicleEF	LDT1	0.08	0.42
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.74	0.83
tblVehicleEF	LDT1	0.22	0.16
tblVehicleEF	LDT2	334.46	326.25
tblVehicleEF	LDT2	73.52	74.96
tblVehicleEF	LDT2	0.17	0.18
tblVehicleEF	LDT2	0.10	0.06
tblVehicleEF	LDT2	0.13	0.10
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.8300e-003	1.7302e-003
tblVehicleEF	LDT2	4.0760e-003	2.3319e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.6980e-003	1.5912e-003
tblVehicleEF	LDT2	3.7820e-003	2.1441e-003
tblVehicleEF	LDT2	0.04	0.22
tblVehicleEF	LDT2	0.12	0.10
tblVehicleEF	LDT2	0.04	0.23
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.39	0.38
tblVehicleEF	LDT2	0.12	0.08
tblVehicleEF	LHD1	7.80	124.23

tblVehicleEF	LHD1	760.22	700.56
tblVehicleEF	LHD1	40.00	29.65
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.05	1.02
tblVehicleEF	LHD1	0.81	1.09
tblVehicleEF	LHD1	1.19	0.93
tblVehicleEF	LHD1	5.5800e-004	0.01
tblVehicleEF	LHD1	0.05	0.08
tblVehicleEF	LHD1	9.1290e-003	9.9054e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	8.2605e-004
tblVehicleEF	LHD1	5.1400e-004	0.01
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.2820e-003	2.4764e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	7.5952e-004
tblVehicleEF	LHD1	1.8220e-003	0.03
tblVehicleEF	LHD1	0.07	0.09
tblVehicleEF	LHD1	0.03	0.22
tblVehicleEF	LHD1	1.1450e-003	0.02
tblVehicleEF	LHD1	0.10	0.11
tblVehicleEF	LHD1	0.43	0.68
tblVehicleEF	LHD1	0.31	0.23
tblVehicleEF	LHD2	8.58	184.54
tblVehicleEF	LHD2	657.39	713.08
tblVehicleEF	LHD2	26.95	22.66
tblVehicleEF	LHD2	4.5480e-003	4.8880e-003
tblVehicleEF	LHD2	0.10	1.25

tblVehicleEF	LHD2	1.16	0.66
tblVehicleEF	LHD2	0.73	0.42
tblVehicleEF	LHD2	1.1160e-003	0.02
tblVehicleEF	LHD2	0.06	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	3.1900e-004	3.5899e-004
tblVehicleEF	LHD2	1.0270e-003	0.02
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	2.5360e-003	2.6610e-003
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	2.9600e-004	3.3008e-004
tblVehicleEF	LHD2	9.8400e-004	0.01
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.18
tblVehicleEF	LHD2	6.3700e-004	6.2207e-003
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.24	0.18
tblVehicleEF	LHD2	0.17	0.08
tblVehicleEF	MCY	150.64	175.14
tblVehicleEF	MCY	37.25	45.44
tblVehicleEF	MCY	5.6760e-003	0.03
tblVehicleEF	MCY	1.23	1.16
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	0.04	0.01
tblVehicleEF	MCY	8.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.8600e-004	2.1383e-003
tblVehicleEF	MCY	7.7900e-004	3.7345e-003

tblVehicleEF	MCY	0.02	5.0400e-003
tblVehicleEF	MCY	2.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.4500e-004	1.9989e-003
tblVehicleEF	MCY	6.6600e-004	3.5162e-003
tblVehicleEF	MCY	0.59	1.60
tblVehicleEF	MCY	0.35	0.73
tblVehicleEF	MCY	0.33	0.99
tblVehicleEF	MCY	2.67	2.31
tblVehicleEF	MCY	1.22	2.29
tblVehicleEF	MCY	2.23	2.24
tblVehicleEF	MDV	447.62	441.43
tblVehicleEF	MDV	98.69	99.76
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.20	0.12
tblVehicleEF	MDV	0.32	0.23
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.0280e-003	1.8426e-003
tblVehicleEF	MDV	4.0140e-003	2.4734e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.8810e-003	1.6976e-003
tblVehicleEF	MDV	3.7240e-003	2.2743e-003
tblVehicleEF	MDV	0.07	0.34
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.07	0.37
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.64	0.55

tblVehicleEF	MDV	0.30	0.20
tblVehicleEF	MH	665.11	1,210.52
tblVehicleEF	MH	28.78	59.04
tblVehicleEF	MH	1.4000e-003	2.8770e-003
tblVehicleEF	MH	1.03	1.19
tblVehicleEF	MH	0.67	0.81
tblVehicleEF	MH	0.05	0.13
tblVehicleEF	MH	8.4680e-003	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	1.0960e-003
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	2.1170e-003	3.2078e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	1.0077e-003
tblVehicleEF	MH	0.56	0.07
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.24	0.03
tblVehicleEF	MH	0.06	0.08
tblVehicleEF	MH	1.29	1.85
tblVehicleEF	MH	0.32	0.31
tblVehicleEF	MHD	572.65	634.35
tblVehicleEF	MHD	1,004.94	1,181.37
tblVehicleEF	MHD	49.32	8.39
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.33	1.75
tblVehicleEF	MHD	0.99	1.17
tblVehicleEF	MHD	1.43	0.12
tblVehicleEF	MHD	7.6380e-003	4.2982e-004

tblVehicleEF	MHD	0.12	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	3.4494e-003
tblVehicleEF	MHD	1.0610e-003	1.1763e-004
tblVehicleEF	MHD	7.0270e-003	4.2982e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	2.8910e-003	3.0000e-003
tblVehicleEF	MHD	0.03	3.2966e-003
tblVehicleEF	MHD	9.8500e-004	1.0816e-004
tblVehicleEF	MHD	1.5750e-003	2.3528e-003
tblVehicleEF	MHD	0.08	6.2088e-003
tblVehicleEF	MHD	0.18	0.07
tblVehicleEF	MHD	9.7900e-004	1.4003e-003
tblVehicleEF	MHD	0.11	0.04
tblVehicleEF	MHD	0.44	0.03
tblVehicleEF	MHD	0.76	0.05
tblVehicleEF	OBUS	533.48	360.48
tblVehicleEF	OBUS	1,045.10	1,236.90
tblVehicleEF	OBUS	32.73	73.47
tblVehicleEF	OBUS	1.8110e-003	6.4500e-004
tblVehicleEF	OBUS	3.20	0.05
tblVehicleEF	OBUS	1.12	0.23
tblVehicleEF	OBUS	1.18	1.01
tblVehicleEF	OBUS	8.7920e-003	0.00
tblVehicleEF	OBUS	0.10	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	1.2154e-003
tblVehicleEF	OBUS	4.5100e-004	9.6614e-004



tblVehicleEF	OBUS	8.0890e-003	0.00
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.6290e-003	3.0000e-003
tblVehicleEF	OBUS	0.03	1.1175e-003
tblVehicleEF	OBUS	4.1900e-004	8.8833e-004
tblVehicleEF	OBUS	6.8200e-004	0.03
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.56	0.58
tblVehicleEF	OBUS	3.4900e-004	0.01
tblVehicleEF	OBUS	0.12	0.03
tblVehicleEF	OBUS	0.31	0.23
tblVehicleEF	OBUS	0.52	0.37
tblVehicleEF	SBUS	556.14	3,069.02
tblVehicleEF	SBUS	966.46	972.23
tblVehicleEF	SBUS	115.30	59.57
tblVehicleEF	SBUS	1.8900e-004	2.9800e-004
tblVehicleEF	SBUS	7.12	18.35
tblVehicleEF	SBUS	5.53	2.79
tblVehicleEF	SBUS	2.38	0.60
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.47	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	3.0800e-003	1.0675e-003
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.20	0.32
tblVehicleEF	SBUS	2.6090e-003	2.5110e-003
tblVehicleEF	SBUS	0.03	0.01

tblVehicleEF	SBUS	2.8580e-003	9.8150e-004
tblVehicleEF	SBUS	0.02	9.4558e-003
tblVehicleEF	SBUS	0.19	0.03
tblVehicleEF	SBUS	0.10	4.13
tblVehicleEF	SBUS	8.0390e-003	4.6029e-003
tblVehicleEF	SBUS	0.26	0.09
tblVehicleEF	SBUS	2.54	0.17
tblVehicleEF	SBUS	1.49	0.43
tblVehicleEF	UBUS	2,139.09	2,188.84
tblVehicleEF	UBUS	9.91	79.76
tblVehicleEF	UBUS	3.5990e-003	5.9600e-004
tblVehicleEF	UBUS	13.62	14.46
tblVehicleEF	UBUS	0.63	1.01
tblVehicleEF	UBUS	0.78	0.65
tblVehicleEF	UBUS	8.0000e-003	0.01
tblVehicleEF	UBUS	0.23	0.30
tblVehicleEF	UBUS	2.1800e-004	9.3293e-004
tblVehicleEF	UBUS	0.34	0.28
tblVehicleEF	UBUS	2.0000e-003	3.0000e-003
tblVehicleEF	UBUS	0.21	0.28
tblVehicleEF	UBUS	2.0200e-004	8.5780e-004
tblVehicleEF	UBUS	1.6400e-003	9.2989e-003
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	7.8000e-004	4.6684e-003
tblVehicleEF	UBUS	0.60	0.74
tblVehicleEF	UBUS	0.39	0.47
tblVehicleEF	UBUS	0.37	0.57
tblVehicleTrips	CC_TL	0.00	6.50

tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	6.50
tblVehicleTrips	CC_TL	0.00	6.50
tblVehicleTrips	CNW_TL	0.00	5.70
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	5.70
tblVehicleTrips	CNW_TL	0.00	5.70
tblVehicleTrips	CW_TL	0.00	11.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	11.00
tblVehicleTrips	CW_TL	0.00	11.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	5.40	6.50
tblVehicleTrips	HO_TL	0.00	6.50
tblVehicleTrips	HO_TL	5.40	6.50
tblVehicleTrips	HS_TL	4.30	6.50
tblVehicleTrips	HS_TL	0.00	6.50
tblVehicleTrips	HS_TL	4.30	6.50
tblVehicleTrips	HW_TL	12.40	11.00
tblVehicleTrips	HW_TL	0.00	11.00
tblVehicleTrips	HW_TL	12.40	11.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00

tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	7.16	5.50
tblVehicleTrips	ST_TR	1.32	1,110.00
tblVehicleTrips	ST_TR	49.97	42.70
tblVehicleTrips	ST_TR	10.08	8.50
tblVehicleTrips	SU_TR	6.07	5.50
tblVehicleTrips	SU_TR	0.68	1,110.00
tblVehicleTrips	SU_TR	25.24	42.70
tblVehicleTrips	SU_TR	8.77	8.50
tblVehicleTrips	WD_TR	6.59	5.40
tblVehicleTrips	WD_TR	6.97	1,110.00
tblVehicleTrips	WD_TR	42.94	42.70
tblVehicleTrips	WD_TR	9.57	8.50

## 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					
2017	0.5569	5.8326	4.6703	5.3900e-003	1.1025	0.2953	1.3978	0.6008	0.2741	0.8749	0.0000	491.3297	491.3297	0.1347	0.0000	494.1586
2018	0.6680	7.3630	5.4493	7.6500e-003	2.4515	0.3513	2.8028	1.1595	0.3232	1.4827	0.0000	693.1569	693.1569	0.2107	0.0000	697.5820
2019	0.6503	5.3798	6.3174	0.0123	1.8028	0.2471	2.0499	0.6806	0.2293	0.9099	0.0000	986.2230	986.2230	0.1564	0.0000	989.5080
2020	0.5982	3.7375	6.6723	0.0151	0.7731	0.1660	0.9391	0.2077	0.1557	0.3634	0.0000	1,131.5542	1,131.5542	0.1015	0.0000	1,133.6852
2021	0.5520	3.3060	6.3865	0.0151	0.7702	0.1432	0.9134	0.2069	0.1343	0.3412	0.0000	1,117.6459	1,117.6459	0.0990	0.0000	1,119.7244
2022	0.5095	2.9506	6.0916	0.0150	0.7672	0.1230	0.8903	0.2061	0.1154	0.3216	0.0000	1,104.8125	1,104.8125	0.0970	0.0000	1,106.8501
2023	0.4751	2.6680	5.8575	0.0150	0.7673	0.1085	0.8758	0.2061	0.1018	0.3079	0.0000	1,096.4387	1,096.4387	0.0954	0.0000	1,098.4415
2024	0.4526	2.5472	5.7077	0.0151	0.7732	0.0981	0.8713	0.2077	0.0920	0.2997	0.0000	1,098.1180	1,098.1180	0.0948	0.0000	1,100.1096
2025	0.4280	2.3956	5.5394	0.0151	0.7703	0.0867	0.8569	0.2070	0.0812	0.2881	0.0000	1,088.0523	1,088.0523	0.0934	0.0000	1,090.0131
2026	0.4196	2.3756	5.4349	0.0151	0.7703	0.0864	0.8567	0.2070	0.0810	0.2879	0.0000	1,082.7882	1,082.7882	0.0927	0.0000	1,084.7353
2027	0.4131	2.3634	5.3469	0.0151	0.7703	0.0865	0.8568	0.2070	0.0810	0.2880	0.0000	1,078.2291	1,078.2291	0.0922	0.0000	1,080.1647
2028	0.4057	2.3426	5.2471	0.0150	0.7673	0.0861	0.8535	0.2062	0.0807	0.2869	0.0000	1,070.1442	1,070.1442	0.0913	0.0000	1,072.0616
2029	0.4005	2.3412	5.1785	0.0151	0.7703	0.0865	0.8568	0.2070	0.0810	0.2880	0.0000	1,070.8162	1,070.8162	0.0912	0.0000	1,072.7307
2030	0.3864	1.7452	5.1126	0.0156	0.7703	0.0373	0.8076	0.2070	0.0359	0.2428	0.0000	1,107.9822	1,107.9822	0.0337	0.0000	1,108.6894
2031	0.2400	1.1607	2.9589	7.3100e-003	0.2427	0.0408	0.2835	0.0652	0.0404	0.1056	0.0000	554.7568	554.7568	0.0204	0.0000	555.1846
2032	20.1893	0.2498	0.7478	2.2200e-003	0.1163	9.1000e-003	0.1254	0.0310	9.0300e-003	0.0400	0.0000	151.5087	151.5087	6.1100e-003	0.0000	151.6370
<b>Total</b>	<b>27.3450</b>	<b>48.7587</b>	<b>82.7187</b>	<b>0.2010</b>	<b>14.1855</b>	<b>2.0520</b>	<b>16.2375</b>	<b>4.8125</b>	<b>1.9161</b>	<b>6.7286</b>	<b>0.0000</b>	<b>14,923.5566</b>	<b>14,923.5566</b>	<b>1.5105</b>	<b>0.0000</b>	<b>14,955.2756</b>

## 2.1 Overall Construction

**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					
2017	0.5569	5.8326	4.6703	5.3900e-003	1.1025	0.2953	1.3978	0.6008	0.2741	0.8749	0.0000	491.3292	491.3292	0.1347	0.0000	494.1580
2018	0.6680	7.3630	5.4493	7.6500e-003	2.4515	0.3513	2.8028	1.1595	0.3232	1.4827	0.0000	693.1561	693.1561	0.2107	0.0000	697.5812
2019	0.6503	5.3798	6.3174	0.0123	1.8028	0.2471	2.0499	0.6806	0.2293	0.9099	0.0000	986.2224	986.2224	0.1564	0.0000	989.5074
2020	0.5982	3.7375	6.6723	0.0151	0.7731	0.1660	0.9391	0.2077	0.1557	0.3634	0.0000	1,131.5538	1,131.5538	0.1015	0.0000	1,133.6849
2021	0.5520	3.3060	6.3865	0.0151	0.7702	0.1432	0.9134	0.2069	0.1343	0.3412	0.0000	1,117.6456	1,117.6456	0.0990	0.0000	1,119.7241
2022	0.5095	2.9506	6.0916	0.0150	0.7672	0.1230	0.8903	0.2061	0.1154	0.3216	0.0000	1,104.8121	1,104.8121	0.0970	0.0000	1,106.8497
2023	0.4751	2.6680	5.8575	0.0150	0.7673	0.1085	0.8758	0.2061	0.1018	0.3079	0.0000	1,096.4384	1,096.4384	0.0954	0.0000	1,098.4412
2024	0.4526	2.5472	5.7077	0.0151	0.7732	0.0981	0.8713	0.2077	0.0920	0.2997	0.0000	1,098.1176	1,098.1176	0.0948	0.0000	1,100.1092
2025	0.4280	2.3956	5.5394	0.0151	0.7703	0.0867	0.8569	0.2070	0.0812	0.2881	0.0000	1,088.0519	1,088.0519	0.0934	0.0000	1,090.0127
2026	0.4196	2.3756	5.4349	0.0151	0.7703	0.0864	0.8567	0.2070	0.0810	0.2879	0.0000	1,082.7879	1,082.7879	0.0927	0.0000	1,084.7349
2027	0.4131	2.3633	5.3469	0.0151	0.7703	0.0865	0.8568	0.2070	0.0810	0.2880	0.0000	1,078.2288	1,078.2288	0.0922	0.0000	1,080.1643
2028	0.4057	2.3426	5.2471	0.0150	0.7673	0.0861	0.8535	0.2062	0.0807	0.2869	0.0000	1,070.1438	1,070.1438	0.0913	0.0000	1,072.0613
2029	0.4005	2.3412	5.1785	0.0151	0.7703	0.0865	0.8568	0.2070	0.0810	0.2880	0.0000	1,070.8158	1,070.8158	0.0912	0.0000	1,072.7303
2030	0.3864	1.7452	5.1126	0.0156	0.7703	0.0373	0.8076	0.2070	0.0359	0.2428	0.0000	1,107.9818	1,107.9818	0.0337	0.0000	1,108.6890
2031	0.2400	1.1607	2.9589	7.3100e-003	0.2427	0.0408	0.2835	0.0652	0.0404	0.1056	0.0000	554.7564	554.7564	0.0204	0.0000	555.1842
2032	20.1893	0.2498	0.7478	2.2200e-003	0.1163	9.1000e-003	0.1254	0.0310	9.0300e-003	0.0400	0.0000	151.5086	151.5086	6.1100e-003	0.0000	151.6369
<b>Total</b>	<b>27.3449</b>	<b>48.7587</b>	<b>82.7187</b>	<b>0.2010</b>	<b>14.1855</b>	<b>2.0520</b>	<b>16.2375</b>	<b>4.8125</b>	<b>1.9161</b>	<b>6.7286</b>	<b>0.0000</b>	<b>14,923.5502</b>	<b>14,923.5502</b>	<b>1.5105</b>	<b>0.0000</b>	<b>14,955.2692</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

**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	8.8021	0.1276	10.8551	4.3600e-003		0.6087	0.6087		0.6087	0.6087	59.5830	40.5394	100.1225	0.1364	3.4300e-003	104.0508
Energy	0.1770	1.5141	0.6528	9.6600e-003		0.1223	0.1223		0.1223	0.1223	0.0000	3,475.1151	3,475.1151	0.1115	0.0482	3,492.4112
Mobile	6.8948	7.0133	49.5711	0.1144	8.4869	0.0718	8.5587	2.2691	0.0670	2.3360	0.0000	8,390.7128	8,390.7128	0.2603	0.0000	8,396.1795
Waste						0.0000	0.0000		0.0000	0.0000	159.6362	0.0000	159.6362	9.4342	0.0000	357.7549
Water						0.0000	0.0000		0.0000	0.0000	21.3271	148.7136	170.0408	2.1972	0.0531	232.6478
<b>Total</b>	<b>15.8740</b>	<b>8.6551</b>	<b>61.0790</b>	<b>0.1284</b>	<b>8.4869</b>	<b>0.8029</b>	<b>9.2898</b>	<b>2.2691</b>	<b>0.7980</b>	<b>3.0670</b>	<b>240.5463</b>	<b>12,055.0810</b>	<b>12,295.6273</b>	<b>12.1396</b>	<b>0.1048</b>	<b>12,583.0441</b>



## 2.2 Overall Operational

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.8021	0.1276	10.8551	4.3600e-003		0.6087	0.6087		0.6087	0.6087	59.5830	40.5394	100.1225	0.1364	3.4300e-003	104.0508
Energy	0.1770	1.5141	0.6528	9.6600e-003		0.1223	0.1223		0.1223	0.1223	0.0000	3,475.1151	3,475.1151	0.1115	0.0482	3,492.4112
Mobile	6.8948	7.0133	49.5711	0.1144	8.4869	0.0718	8.5587	2.2691	0.0670	2.3360	0.0000	8,390.7128	8,390.7128	0.2603	0.0000	8,396.1795
Waste						0.0000	0.0000		0.0000	0.0000	159.6362	0.0000	159.6362	9.4342	0.0000	357.7549
Water						0.0000	0.0000		0.0000	0.0000	21.3271	148.7136	170.0408	2.1968	0.0530	232.6138
<b>Total</b>	<b>15.8740</b>	<b>8.6551</b>	<b>61.0790</b>	<b>0.1284</b>	<b>8.4869</b>	<b>0.8029</b>	<b>9.2898</b>	<b>2.2691</b>	<b>0.7980</b>	<b>3.0670</b>	<b>240.5463</b>	<b>12,055.0810</b>	<b>12,295.6273</b>	<b>12.1392</b>	<b>0.1047</b>	<b>12,583.0101</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	0.08	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	1/1/2017	10/6/2017	5	200	
2	Site Preparation	Site Preparation	10/7/2017	3/23/2018	5	120	
3	Grading	Grading	3/24/2018	5/31/2019	5	310	
4	Building Construction	Building Construction	6/1/2019	4/18/2031	5	3100	
5	Paving	Paving	4/19/2031	2/20/2032	5	220	
6	Architectural Coating	Architectural Coating	2/21/2032	12/24/2032	5	220	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 775**

**Acres of Paving: 0**

**Residential Indoor: 2,481,435; Residential Outdoor: 827,145; Non-Residential Indoor: 124,500; Non-Residential Outdoor: 41,500 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	569.00	114.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	114.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Demolition - 2017

#### 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	0.4048	4.2697	3.3893	3.9900e-003		0.2125	0.2125		0.1980	0.1980	0.0000	366.1822	366.1822	0.1005	0.0000	368.2917
<b>Total</b>	<b>0.4048</b>	<b>4.2697</b>	<b>3.3893</b>	<b>3.9900e-003</b>		<b>0.2125</b>	<b>0.2125</b>		<b>0.1980</b>	<b>0.1980</b>	<b>0.0000</b>	<b>366.1822</b>	<b>366.1822</b>	<b>0.1005</b>	<b>0.0000</b>	<b>368.2917</b>

### 3.2 Demolition - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0800e-003	7.6000e-003	0.0728	1.6000e-004	0.0136	1.1000e-004	0.0137	3.6200e-003	1.0000e-004	3.7200e-003	0.0000	11.9128	11.9128	6.4000e-004	0.0000	11.9263
<b>Total</b>	<b>5.0800e-003</b>	<b>7.6000e-003</b>	<b>0.0728</b>	<b>1.6000e-004</b>	<b>0.0136</b>	<b>1.1000e-004</b>	<b>0.0137</b>	<b>3.6200e-003</b>	<b>1.0000e-004</b>	<b>3.7200e-003</b>	<b>0.0000</b>	<b>11.9128</b>	<b>11.9128</b>	<b>6.4000e-004</b>	<b>0.0000</b>	<b>11.9263</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	0.4048	4.2697	3.3893	3.9900e-003		0.2125	0.2125		0.1980	0.1980	0.0000	366.1817	366.1817	0.1005	0.0000	368.2913
<b>Total</b>	<b>0.4048</b>	<b>4.2697</b>	<b>3.3893</b>	<b>3.9900e-003</b>		<b>0.2125</b>	<b>0.2125</b>		<b>0.1980</b>	<b>0.1980</b>	<b>0.0000</b>	<b>366.1817</b>	<b>366.1817</b>	<b>0.1005</b>	<b>0.0000</b>	<b>368.2913</b>

### 3.2 Demolition - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0800e-003	7.6000e-003	0.0728	1.6000e-004	0.0136	1.1000e-004	0.0137	3.6200e-003	1.0000e-004	3.7200e-003	0.0000	11.9128	11.9128	6.4000e-004	0.0000	11.9263
<b>Total</b>	<b>5.0800e-003</b>	<b>7.6000e-003</b>	<b>0.0728</b>	<b>1.6000e-004</b>	<b>0.0136</b>	<b>1.1000e-004</b>	<b>0.0137</b>	<b>3.6200e-003</b>	<b>1.0000e-004</b>	<b>3.7200e-003</b>	<b>0.0000</b>	<b>11.9128</b>	<b>11.9128</b>	<b>6.4000e-004</b>	<b>0.0000</b>	<b>11.9263</b>

### 3.3 Site Preparation - 2017

#### 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					1.0840	0.0000	1.0840	0.5958	0.0000	0.5958	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1452	1.5526	1.1819	1.1700e-003		0.0826	0.0826		0.0760	0.0760	0.0000	108.9462	108.9462	0.0334	0.0000	109.6472
<b>Total</b>	<b>0.1452</b>	<b>1.5526</b>	<b>1.1819</b>	<b>1.1700e-003</b>	<b>1.0840</b>	<b>0.0826</b>	<b>1.1666</b>	<b>0.5958</b>	<b>0.0760</b>	<b>0.6719</b>	<b>0.0000</b>	<b>108.9462</b>	<b>108.9462</b>	<b>0.0334</b>	<b>0.0000</b>	<b>109.6472</b>

### 3.3 Site Preparation - 2017

#### 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	1.8300e-003	2.7300e-003	0.0262	6.0000e-005	4.9000e-003	4.0000e-005	4.9400e-003	1.3000e-003	4.0000e-005	1.3400e-003	0.0000	4.2886	4.2886	2.3000e-004	0.0000	4.2935
<b>Total</b>	<b>1.8300e-003</b>	<b>2.7300e-003</b>	<b>0.0262</b>	<b>6.0000e-005</b>	<b>4.9000e-003</b>	<b>4.0000e-005</b>	<b>4.9400e-003</b>	<b>1.3000e-003</b>	<b>4.0000e-005</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>4.2886</b>	<b>4.2886</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>4.2935</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					1.0840	0.0000	1.0840	0.5958	0.0000	0.5958	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1452	1.5526	1.1819	1.1700e-003		0.0826	0.0826		0.0760	0.0760	0.0000	108.9460	108.9460	0.0334	0.0000	109.6470
<b>Total</b>	<b>0.1452</b>	<b>1.5526</b>	<b>1.1819</b>	<b>1.1700e-003</b>	<b>1.0840</b>	<b>0.0826</b>	<b>1.1666</b>	<b>0.5958</b>	<b>0.0760</b>	<b>0.6719</b>	<b>0.0000</b>	<b>108.9460</b>	<b>108.9460</b>	<b>0.0334</b>	<b>0.0000</b>	<b>109.6470</b>

### 3.3 Site Preparation - 2017

#### 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	1.8300e-003	2.7300e-003	0.0262	6.0000e-005	4.9000e-003	4.0000e-005	4.9400e-003	1.3000e-003	4.0000e-005	1.3400e-003	0.0000	4.2886	4.2886	2.3000e-004	0.0000	4.2935
<b>Total</b>	<b>1.8300e-003</b>	<b>2.7300e-003</b>	<b>0.0262</b>	<b>6.0000e-005</b>	<b>4.9000e-003</b>	<b>4.0000e-005</b>	<b>4.9400e-003</b>	<b>1.3000e-003</b>	<b>4.0000e-005</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>4.2886</b>	<b>4.2886</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>4.2935</b>

### 3.3 Site Preparation - 2018

#### 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					1.0840	0.0000	1.0840	0.5958	0.0000	0.5958	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1288	1.3683	1.0870	1.1700e-003		0.0710	0.0710		0.0653	0.0653	0.0000	107.2231	107.2231	0.0334	0.0000	107.9240
<b>Total</b>	<b>0.1288</b>	<b>1.3683</b>	<b>1.0870</b>	<b>1.1700e-003</b>	<b>1.0840</b>	<b>0.0710</b>	<b>1.1549</b>	<b>0.5958</b>	<b>0.0653</b>	<b>0.6611</b>	<b>0.0000</b>	<b>107.2231</b>	<b>107.2231</b>	<b>0.0334</b>	<b>0.0000</b>	<b>107.9240</b>



### 3.3 Site Preparation - 2018

#### 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	1.6200e-003	2.4600e-003	0.0234	6.0000e-005	4.9000e-003	4.0000e-005	4.9400e-003	1.3000e-003	4.0000e-005	1.3400e-003	0.0000	4.1293	4.1293	2.1000e-004	0.0000	4.1338
<b>Total</b>	<b>1.6200e-003</b>	<b>2.4600e-003</b>	<b>0.0234</b>	<b>6.0000e-005</b>	<b>4.9000e-003</b>	<b>4.0000e-005</b>	<b>4.9400e-003</b>	<b>1.3000e-003</b>	<b>4.0000e-005</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>4.1293</b>	<b>4.1293</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.1338</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					1.0840	0.0000	1.0840	0.5958	0.0000	0.5958	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1288	1.3683	1.0870	1.1700e-003		0.0710	0.0710		0.0653	0.0653	0.0000	107.2229	107.2229	0.0334	0.0000	107.9239
<b>Total</b>	<b>0.1288</b>	<b>1.3683</b>	<b>1.0870</b>	<b>1.1700e-003</b>	<b>1.0840</b>	<b>0.0710</b>	<b>1.1549</b>	<b>0.5958</b>	<b>0.0653</b>	<b>0.6611</b>	<b>0.0000</b>	<b>107.2229</b>	<b>107.2229</b>	<b>0.0334</b>	<b>0.0000</b>	<b>107.9239</b>

### 3.3 Site Preparation - 2018

#### 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	1.6200e-003	2.4600e-003	0.0234	6.0000e-005	4.9000e-003	4.0000e-005	4.9400e-003	1.3000e-003	4.0000e-005	1.3400e-003	0.0000	4.1293	4.1293	2.1000e-004	0.0000	4.1338
<b>Total</b>	<b>1.6200e-003</b>	<b>2.4600e-003</b>	<b>0.0234</b>	<b>6.0000e-005</b>	<b>4.9000e-003</b>	<b>4.0000e-005</b>	<b>4.9400e-003</b>	<b>1.3000e-003</b>	<b>4.0000e-005</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>4.1293</b>	<b>4.1293</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.1338</b>

### 3.4 Grading - 2018

#### 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					1.3444	0.0000	1.3444	0.5575	0.0000	0.5575	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5316	5.9832	4.2518	6.2000e-003		0.2802	0.2802		0.2578	0.2578	0.0000	566.4342	566.4342	0.1763	0.0000	570.1373
<b>Total</b>	<b>0.5316</b>	<b>5.9832</b>	<b>4.2518</b>	<b>6.2000e-003</b>	<b>1.3444</b>	<b>0.2802</b>	<b>1.6246</b>	<b>0.5575</b>	<b>0.2578</b>	<b>0.8152</b>	<b>0.0000</b>	<b>566.4342</b>	<b>566.4342</b>	<b>0.1763</b>	<b>0.0000</b>	<b>570.1373</b>

### 3.4 Grading - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0400e-003	9.1500e-003	0.0870	2.2000e-004	0.0182	1.4000e-004	0.0184	4.8500e-003	1.3000e-004	4.9900e-003	0.0000	15.3703	15.3703	7.9000e-004	0.0000	15.3868
<b>Total</b>	<b>6.0400e-003</b>	<b>9.1500e-003</b>	<b>0.0870</b>	<b>2.2000e-004</b>	<b>0.0182</b>	<b>1.4000e-004</b>	<b>0.0184</b>	<b>4.8500e-003</b>	<b>1.3000e-004</b>	<b>4.9900e-003</b>	<b>0.0000</b>	<b>15.3703</b>	<b>15.3703</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>15.3868</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					1.3444	0.0000	1.3444	0.5575	0.0000	0.5575	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5316	5.9831	4.2518	6.2000e-003		0.2802	0.2802		0.2578	0.2578	0.0000	566.4335	566.4335	0.1763	0.0000	570.1366
<b>Total</b>	<b>0.5316</b>	<b>5.9831</b>	<b>4.2518</b>	<b>6.2000e-003</b>	<b>1.3444</b>	<b>0.2802</b>	<b>1.6246</b>	<b>0.5575</b>	<b>0.2578</b>	<b>0.8152</b>	<b>0.0000</b>	<b>566.4335</b>	<b>566.4335</b>	<b>0.1763</b>	<b>0.0000</b>	<b>570.1366</b>

### 3.4 Grading - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0400e-003	9.1500e-003	0.0870	2.2000e-004	0.0182	1.4000e-004	0.0184	4.8500e-003	1.3000e-004	4.9900e-003	0.0000	15.3703	15.3703	7.9000e-004	0.0000	15.3868
<b>Total</b>	<b>6.0400e-003</b>	<b>9.1500e-003</b>	<b>0.0870</b>	<b>2.2000e-004</b>	<b>0.0182</b>	<b>1.4000e-004</b>	<b>0.0184</b>	<b>4.8500e-003</b>	<b>1.3000e-004</b>	<b>4.9900e-003</b>	<b>0.0000</b>	<b>15.3703</b>	<b>15.3703</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>15.3868</b>

### 3.4 Grading - 2019

#### 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					1.3444	0.0000	1.3444	0.5575	0.0000	0.5575	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2666	2.9538	2.1957	3.3600e-003		0.1365	0.1365		0.1256	0.1256	0.0000	302.1529	302.1529	0.0956	0.0000	304.1604
<b>Total</b>	<b>0.2666</b>	<b>2.9538</b>	<b>2.1957</b>	<b>3.3600e-003</b>	<b>1.3444</b>	<b>0.1365</b>	<b>1.4809</b>	<b>0.5575</b>	<b>0.1256</b>	<b>0.6831</b>	<b>0.0000</b>	<b>302.1529</b>	<b>302.1529</b>	<b>0.0956</b>	<b>0.0000</b>	<b>304.1604</b>

### 3.4 Grading - 2019

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	4.5200e-003	0.0428	1.2000e-004	9.8900e-003	8.0000e-005	9.9700e-003	2.6300e-003	7.0000e-005	2.7000e-003	0.0000	8.0359	8.0359	4.0000e-004	0.0000	8.0443
<b>Total</b>	<b>2.9800e-003</b>	<b>4.5200e-003</b>	<b>0.0428</b>	<b>1.2000e-004</b>	<b>9.8900e-003</b>	<b>8.0000e-005</b>	<b>9.9700e-003</b>	<b>2.6300e-003</b>	<b>7.0000e-005</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>8.0359</b>	<b>8.0359</b>	<b>4.0000e-004</b>	<b>0.0000</b>	<b>8.0443</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					1.3444	0.0000	1.3444	0.5575	0.0000	0.5575	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2666	2.9538	2.1957	3.3600e-003		0.1365	0.1365		0.1256	0.1256	0.0000	302.1525	302.1525	0.0956	0.0000	304.1601
<b>Total</b>	<b>0.2666</b>	<b>2.9538</b>	<b>2.1957</b>	<b>3.3600e-003</b>	<b>1.3444</b>	<b>0.1365</b>	<b>1.4809</b>	<b>0.5575</b>	<b>0.1256</b>	<b>0.6831</b>	<b>0.0000</b>	<b>302.1525</b>	<b>302.1525</b>	<b>0.0956</b>	<b>0.0000</b>	<b>304.1601</b>

### 3.4 Grading - 2019

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	4.5200e-003	0.0428	1.2000e-004	9.8900e-003	8.0000e-005	9.9700e-003	2.6300e-003	7.0000e-005	2.7000e-003	0.0000	8.0359	8.0359	4.0000e-004	0.0000	8.0443
<b>Total</b>	<b>2.9800e-003</b>	<b>4.5200e-003</b>	<b>0.0428</b>	<b>1.2000e-004</b>	<b>9.8900e-003</b>	<b>8.0000e-005</b>	<b>9.9700e-003</b>	<b>2.6300e-003</b>	<b>7.0000e-005</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>8.0359</b>	<b>8.0359</b>	<b>4.0000e-004</b>	<b>0.0000</b>	<b>8.0443</b>

### 3.5 Building Construction - 2019

#### 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	0.1787	1.5933	1.3012	2.0400e-003		0.0977	0.0977		0.0918	0.0918	0.0000	177.9333	177.9333	0.0433	0.0000	178.8424
<b>Total</b>	<b>0.1787</b>	<b>1.5933</b>	<b>1.3012</b>	<b>2.0400e-003</b>		<b>0.0977</b>	<b>0.0977</b>		<b>0.0918</b>	<b>0.0918</b>	<b>0.0000</b>	<b>177.9333</b>	<b>177.9333</b>	<b>0.0433</b>	<b>0.0000</b>	<b>178.8424</b>

### 3.5 Building Construction - 2019

#### 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	0.0838	0.6489	1.0785	2.0700e-003	0.0560	9.8200e-003	0.0658	0.0161	9.0300e-003	0.0251	0.0000	179.2888	179.2888	1.3900e-003	0.0000	179.3180
Worker	0.1182	0.1793	1.6992	4.6800e-003	0.3925	3.0100e-003	0.3955	0.1044	2.7900e-003	0.1072	0.0000	318.8121	318.8121	0.0158	0.0000	319.1429
<b>Total</b>	<b>0.2020</b>	<b>0.8282</b>	<b>2.7777</b>	<b>6.7500e-003</b>	<b>0.4485</b>	<b>0.0128</b>	<b>0.4613</b>	<b>0.1205</b>	<b>0.0118</b>	<b>0.1323</b>	<b>0.0000</b>	<b>498.1009</b>	<b>498.1009</b>	<b>0.0171</b>	<b>0.0000</b>	<b>498.4609</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	0.1787	1.5933	1.3011	2.0400e-003		0.0977	0.0977		0.0918	0.0918	0.0000	177.9331	177.9331	0.0433	0.0000	178.8422
<b>Total</b>	<b>0.1787</b>	<b>1.5933</b>	<b>1.3011</b>	<b>2.0400e-003</b>		<b>0.0977</b>	<b>0.0977</b>		<b>0.0918</b>	<b>0.0918</b>	<b>0.0000</b>	<b>177.9331</b>	<b>177.9331</b>	<b>0.0433</b>	<b>0.0000</b>	<b>178.8422</b>

### 3.5 Building Construction - 2019

#### 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	0.0838	0.6489	1.0785	2.0700e-003	0.0560	9.8200e-003	0.0658	0.0161	9.0300e-003	0.0251	0.0000	179.2888	179.2888	1.3900e-003	0.0000	179.3180
Worker	0.1182	0.1793	1.6992	4.6800e-003	0.3925	3.0100e-003	0.3955	0.1044	2.7900e-003	0.1072	0.0000	318.8121	318.8121	0.0158	0.0000	319.1429
<b>Total</b>	<b>0.2020</b>	<b>0.8282</b>	<b>2.7777</b>	<b>6.7500e-003</b>	<b>0.4485</b>	<b>0.0128</b>	<b>0.4613</b>	<b>0.1205</b>	<b>0.0118</b>	<b>0.1323</b>	<b>0.0000</b>	<b>498.1009</b>	<b>498.1009</b>	<b>0.0171</b>	<b>0.0000</b>	<b>498.4609</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1514	302.1514	0.0736	0.0000	303.6973
<b>Total</b>	<b>0.2766</b>	<b>2.5000</b>	<b>2.2019</b>	<b>3.5100e-003</b>		<b>0.1458</b>	<b>0.1458</b>		<b>0.1371</b>	<b>0.1371</b>	<b>0.0000</b>	<b>302.1514</b>	<b>302.1514</b>	<b>0.0736</b>	<b>0.0000</b>	<b>303.6973</b>



### 3.5 Building Construction - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1321	0.9527	1.7692	3.5600e-003	0.0966	0.0151	0.1117	0.0277	0.0139	0.0416	0.0000	301.9084	301.9084	2.3200e-003	0.0000	301.9571
Worker	0.1895	0.2847	2.7012	8.0700e-003	0.6766	5.1200e-003	0.6817	0.1800	4.7400e-003	0.1847	0.0000	527.4944	527.4944	0.0255	0.0000	528.0309
<b>Total</b>	<b>0.3216</b>	<b>1.2375</b>	<b>4.4704</b>	<b>0.0116</b>	<b>0.7731</b>	<b>0.0202</b>	<b>0.7933</b>	<b>0.2077</b>	<b>0.0186</b>	<b>0.2264</b>	<b>0.0000</b>	<b>829.4028</b>	<b>829.4028</b>	<b>0.0279</b>	<b>0.0000</b>	<b>829.9880</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	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1510	302.1510	0.0736	0.0000	303.6969
<b>Total</b>	<b>0.2766</b>	<b>2.5000</b>	<b>2.2019</b>	<b>3.5100e-003</b>		<b>0.1458</b>	<b>0.1458</b>		<b>0.1371</b>	<b>0.1371</b>	<b>0.0000</b>	<b>302.1510</b>	<b>302.1510</b>	<b>0.0736</b>	<b>0.0000</b>	<b>303.6969</b>

### 3.5 Building Construction - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1321	0.9527	1.7692	3.5600e-003	0.0966	0.0151	0.1117	0.0277	0.0139	0.0416	0.0000	301.9084	301.9084	2.3200e-003	0.0000	301.9571
Worker	0.1895	0.2847	2.7012	8.0700e-003	0.6766	5.1200e-003	0.6817	0.1800	4.7400e-003	0.1847	0.0000	527.4944	527.4944	0.0255	0.0000	528.0309
<b>Total</b>	<b>0.3216</b>	<b>1.2375</b>	<b>4.4704</b>	<b>0.0116</b>	<b>0.7731</b>	<b>0.0202</b>	<b>0.7933</b>	<b>0.2077</b>	<b>0.0186</b>	<b>0.2264</b>	<b>0.0000</b>	<b>829.4028</b>	<b>829.4028</b>	<b>0.0279</b>	<b>0.0000</b>	<b>829.9880</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
<b>Total</b>	<b>0.2471</b>	<b>2.2629</b>	<b>2.1582</b>	<b>3.5000e-003</b>		<b>0.1246</b>	<b>0.1246</b>		<b>0.1172</b>	<b>0.1172</b>	<b>0.0000</b>	<b>301.0339</b>	<b>301.0339</b>	<b>0.0725</b>	<b>0.0000</b>	<b>302.5568</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1269	0.7792	1.7172	3.5400e-003	0.0962	0.0135	0.1097	0.0276	0.0125	0.0401	0.0000	300.3357	300.3357	2.3100e-003	0.0000	300.3842
Worker	0.1781	0.2639	2.5112	8.0400e-003	0.6740	5.0700e-003	0.6790	0.1793	4.7000e-003	0.1840	0.0000	516.2764	516.2764	0.0242	0.0000	516.7834
<b>Total</b>	<b>0.3050</b>	<b>1.0431</b>	<b>4.2284</b>	<b>0.0116</b>	<b>0.7702</b>	<b>0.0186</b>	<b>0.7888</b>	<b>0.2069</b>	<b>0.0172</b>	<b>0.2241</b>	<b>0.0000</b>	<b>816.6121</b>	<b>816.6121</b>	<b>0.0265</b>	<b>0.0000</b>	<b>817.1676</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	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
<b>Total</b>	<b>0.2471</b>	<b>2.2629</b>	<b>2.1582</b>	<b>3.5000e-003</b>		<b>0.1246</b>	<b>0.1246</b>		<b>0.1172</b>	<b>0.1172</b>	<b>0.0000</b>	<b>301.0335</b>	<b>301.0335</b>	<b>0.0725</b>	<b>0.0000</b>	<b>302.5565</b>

### 3.5 Building Construction - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1269	0.7792	1.7172	3.5400e-003	0.0962	0.0135	0.1097	0.0276	0.0125	0.0401	0.0000	300.3357	300.3357	2.3100e-003	0.0000	300.3842
Worker	0.1781	0.2639	2.5112	8.0400e-003	0.6740	5.0700e-003	0.6790	0.1793	4.7000e-003	0.1840	0.0000	516.2764	516.2764	0.0242	0.0000	516.7834
<b>Total</b>	<b>0.3050</b>	<b>1.0431</b>	<b>4.2284</b>	<b>0.0116</b>	<b>0.7702</b>	<b>0.0186</b>	<b>0.7888</b>	<b>0.2069</b>	<b>0.0172</b>	<b>0.2241</b>	<b>0.0000</b>	<b>816.6121</b>	<b>816.6121</b>	<b>0.0265</b>	<b>0.0000</b>	<b>817.1676</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9946	299.9946	0.0718	0.0000	301.5017
<b>Total</b>	<b>0.2209</b>	<b>2.0197</b>	<b>2.1226</b>	<b>3.4900e-003</b>		<b>0.1047</b>	<b>0.1047</b>		<b>0.0986</b>	<b>0.0986</b>	<b>0.0000</b>	<b>299.9946</b>	<b>299.9946</b>	<b>0.0718</b>	<b>0.0000</b>	<b>301.5017</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1209	0.6853	1.6303	3.5200e-003	0.0959	0.0133	0.1091	0.0275	0.0122	0.0398	0.0000	298.9110	298.9110	2.3500e-003	0.0000	298.9602
Worker	0.1677	0.2456	2.3388	8.0000e-003	0.6714	5.0200e-003	0.6764	0.1786	4.6600e-003	0.1833	0.0000	505.9069	505.9069	0.0229	0.0000	506.3882
<b>Total</b>	<b>0.2886</b>	<b>0.9309</b>	<b>3.9690</b>	<b>0.0115</b>	<b>0.7673</b>	<b>0.0183</b>	<b>0.7855</b>	<b>0.2061</b>	<b>0.0169</b>	<b>0.2230</b>	<b>0.0000</b>	<b>804.8179</b>	<b>804.8179</b>	<b>0.0253</b>	<b>0.0000</b>	<b>805.3484</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	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9943	299.9943	0.0718	0.0000	301.5013
<b>Total</b>	<b>0.2209</b>	<b>2.0197</b>	<b>2.1226</b>	<b>3.4900e-003</b>		<b>0.1047</b>	<b>0.1047</b>		<b>0.0986</b>	<b>0.0986</b>	<b>0.0000</b>	<b>299.9943</b>	<b>299.9943</b>	<b>0.0718</b>	<b>0.0000</b>	<b>301.5013</b>

### 3.5 Building Construction - 2022

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1209	0.6853	1.6303	3.5200e-003	0.0959	0.0133	0.1091	0.0275	0.0122	0.0398	0.0000	298.9110	298.9110	2.3500e-003	0.0000	298.9602
Worker	0.1677	0.2456	2.3388	8.0000e-003	0.6714	5.0200e-003	0.6764	0.1786	4.6600e-003	0.1833	0.0000	505.9069	505.9069	0.0229	0.0000	506.3882
<b>Total</b>	<b>0.2886</b>	<b>0.9309</b>	<b>3.9690</b>	<b>0.0115</b>	<b>0.7673</b>	<b>0.0183</b>	<b>0.7855</b>	<b>0.2061</b>	<b>0.0169</b>	<b>0.2230</b>	<b>0.0000</b>	<b>804.8179</b>	<b>804.8179</b>	<b>0.0253</b>	<b>0.0000</b>	<b>805.3484</b>

### 3.5 Building Construction - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0980	300.0980	0.0713	0.0000	301.5949
<b>Total</b>	<b>0.2036</b>	<b>1.8606</b>	<b>2.1072</b>	<b>3.4900e-003</b>		<b>0.0906</b>	<b>0.0906</b>		<b>0.0852</b>	<b>0.0852</b>	<b>0.0000</b>	<b>300.0980</b>	<b>300.0980</b>	<b>0.0713</b>	<b>0.0000</b>	<b>301.5949</b>

### 3.5 Building Construction - 2023

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1127	0.5770	1.5593	3.5100e-003	0.0959	0.0129	0.1088	0.0276	0.0119	0.0394	0.0000	298.0568	298.0568	2.1700e-003	0.0000	298.1024
Worker	0.1588	0.2303	2.1909	8.0000e-003	0.6714	5.0100e-003	0.6764	0.1786	4.6400e-003	0.1832	0.0000	498.2839	498.2839	0.0219	0.0000	498.7443
<b>Total</b>	<b>0.2715</b>	<b>0.8073</b>	<b>3.7503</b>	<b>0.0115</b>	<b>0.7673</b>	<b>0.0179</b>	<b>0.7852</b>	<b>0.2061</b>	<b>0.0165</b>	<b>0.2227</b>	<b>0.0000</b>	<b>796.3407</b>	<b>796.3407</b>	<b>0.0241</b>	<b>0.0000</b>	<b>796.8466</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	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0976	300.0976	0.0713	0.0000	301.5946
<b>Total</b>	<b>0.2036</b>	<b>1.8606</b>	<b>2.1072</b>	<b>3.4900e-003</b>		<b>0.0906</b>	<b>0.0906</b>		<b>0.0852</b>	<b>0.0852</b>	<b>0.0000</b>	<b>300.0976</b>	<b>300.0976</b>	<b>0.0713</b>	<b>0.0000</b>	<b>301.5946</b>

### 3.5 Building Construction - 2023

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1127	0.5770	1.5593	3.5100e-003	0.0959	0.0129	0.1088	0.0276	0.0119	0.0394	0.0000	298.0568	298.0568	2.1700e-003	0.0000	298.1024
Worker	0.1588	0.2303	2.1909	8.0000e-003	0.6714	5.0100e-003	0.6764	0.1786	4.6400e-003	0.1832	0.0000	498.2839	498.2839	0.0219	0.0000	498.7443
<b>Total</b>	<b>0.2715</b>	<b>0.8073</b>	<b>3.7503</b>	<b>0.0115</b>	<b>0.7673</b>	<b>0.0179</b>	<b>0.7852</b>	<b>0.2061</b>	<b>0.0165</b>	<b>0.2227</b>	<b>0.0000</b>	<b>796.3407</b>	<b>796.3407</b>	<b>0.0241</b>	<b>0.0000</b>	<b>796.8466</b>

### 3.5 Building Construction - 2024

#### 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	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4646	302.4646	0.0714	0.0000	303.9643
<b>Total</b>	<b>0.1920</b>	<b>1.7524</b>	<b>2.1135</b>	<b>3.5200e-003</b>		<b>0.0800</b>	<b>0.0800</b>		<b>0.0752</b>	<b>0.0752</b>	<b>0.0000</b>	<b>302.4646</b>	<b>302.4646</b>	<b>0.0714</b>	<b>0.0000</b>	<b>303.9643</b>



### 3.5 Building Construction - 2024

#### 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	0.1086	0.5759	1.5090	3.5400e-003	0.0966	0.0131	0.1097	0.0278	0.0121	0.0398	0.0000	300.4091	300.4091	2.1900e-003	0.0000	300.4552
Worker	0.1520	0.2188	2.0852	8.0600e-003	0.6766	5.0400e-003	0.6816	0.1800	4.6700e-003	0.1846	0.0000	495.2442	495.2442	0.0212	0.0000	495.6901
<b>Total</b>	<b>0.2606</b>	<b>0.7948</b>	<b>3.5942</b>	<b>0.0116</b>	<b>0.7732</b>	<b>0.0181</b>	<b>0.7913</b>	<b>0.2077</b>	<b>0.0167</b>	<b>0.2245</b>	<b>0.0000</b>	<b>795.6534</b>	<b>795.6534</b>	<b>0.0234</b>	<b>0.0000</b>	<b>796.1453</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	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4642	302.4642	0.0714	0.0000	303.9639
<b>Total</b>	<b>0.1920</b>	<b>1.7524</b>	<b>2.1135</b>	<b>3.5200e-003</b>		<b>0.0800</b>	<b>0.0800</b>		<b>0.0752</b>	<b>0.0752</b>	<b>0.0000</b>	<b>302.4642</b>	<b>302.4642</b>	<b>0.0714</b>	<b>0.0000</b>	<b>303.9639</b>

### 3.5 Building Construction - 2024

#### 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	0.1086	0.5759	1.5090	3.5400e-003	0.0966	0.0131	0.1097	0.0278	0.0121	0.0398	0.0000	300.4091	300.4091	2.1900e-003	0.0000	300.4552
Worker	0.1520	0.2188	2.0852	8.0600e-003	0.6766	5.0400e-003	0.6816	0.1800	4.6700e-003	0.1846	0.0000	495.2442	495.2442	0.0212	0.0000	495.6901
<b>Total</b>	<b>0.2606</b>	<b>0.7948</b>	<b>3.5942</b>	<b>0.0116</b>	<b>0.7732</b>	<b>0.0181</b>	<b>0.7913</b>	<b>0.2077</b>	<b>0.0167</b>	<b>0.2245</b>	<b>0.0000</b>	<b>795.6534</b>	<b>795.6534</b>	<b>0.0234</b>	<b>0.0000</b>	<b>796.1453</b>

### 3.5 Building Construction - 2025

#### 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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4019</b>	<b>301.4019</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8874</b>

### 3.5 Building Construction - 2025

#### 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	0.1054	0.5691	1.4661	3.5200e-003	0.0963	0.0131	0.1094	0.0277	0.0121	0.0397	0.0000	299.3292	299.3292	2.1900e-003	0.0000	299.3753
Worker	0.1450	0.2071	1.9786	8.0300e-003	0.6740	5.0300e-003	0.6790	0.1793	4.6700e-003	0.1839	0.0000	487.3211	487.3211	0.0204	0.0000	487.7503
<b>Total</b>	<b>0.2504</b>	<b>0.7761</b>	<b>3.4447</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0181</b>	<b>0.7884</b>	<b>0.2070</b>	<b>0.0167</b>	<b>0.2237</b>	<b>0.0000</b>	<b>786.6504</b>	<b>786.6504</b>	<b>0.0226</b>	<b>0.0000</b>	<b>787.1256</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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4015</b>	<b>301.4015</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8871</b>

### 3.5 Building Construction - 2025

#### 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	0.1054	0.5691	1.4661	3.5200e-003	0.0963	0.0131	0.1094	0.0277	0.0121	0.0397	0.0000	299.3292	299.3292	2.1900e-003	0.0000	299.3753
Worker	0.1450	0.2071	1.9786	8.0300e-003	0.6740	5.0300e-003	0.6790	0.1793	4.6700e-003	0.1839	0.0000	487.3211	487.3211	0.0204	0.0000	487.7503
<b>Total</b>	<b>0.2504</b>	<b>0.7761</b>	<b>3.4447</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0181</b>	<b>0.7884</b>	<b>0.2070</b>	<b>0.0167</b>	<b>0.2237</b>	<b>0.0000</b>	<b>786.6504</b>	<b>786.6504</b>	<b>0.0226</b>	<b>0.0000</b>	<b>787.1256</b>

### 3.5 Building Construction - 2026

#### 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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4019</b>	<b>301.4019</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8874</b>

### 3.5 Building Construction - 2026

#### 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	0.1028	0.5585	1.4472	3.5200e-003	0.0963	0.0129	0.1092	0.0277	0.0118	0.0395	0.0000	299.3329	299.3329	2.1600e-003	0.0000	299.3783
Worker	0.1391	0.1976	1.8929	8.0300e-003	0.6740	5.0600e-003	0.6790	0.1793	4.6900e-003	0.1840	0.0000	482.0535	482.0535	0.0198	0.0000	482.4696
<b>Total</b>	<b>0.2419</b>	<b>0.7561</b>	<b>3.3401</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0179</b>	<b>0.7882</b>	<b>0.2070</b>	<b>0.0165</b>	<b>0.2235</b>	<b>0.0000</b>	<b>781.3863</b>	<b>781.3863</b>	<b>0.0220</b>	<b>0.0000</b>	<b>781.8479</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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4015</b>	<b>301.4015</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8871</b>

### 3.5 Building Construction - 2026

#### 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	0.1028	0.5585	1.4472	3.5200e-003	0.0963	0.0129	0.1092	0.0277	0.0118	0.0395	0.0000	299.3329	299.3329	2.1600e-003	0.0000	299.3783
Worker	0.1391	0.1976	1.8929	8.0300e-003	0.6740	5.0600e-003	0.6790	0.1793	4.6900e-003	0.1840	0.0000	482.0535	482.0535	0.0198	0.0000	482.4696
<b>Total</b>	<b>0.2419</b>	<b>0.7561</b>	<b>3.3401</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0179</b>	<b>0.7882</b>	<b>0.2070</b>	<b>0.0165</b>	<b>0.2235</b>	<b>0.0000</b>	<b>781.3863</b>	<b>781.3863</b>	<b>0.0220</b>	<b>0.0000</b>	<b>781.8479</b>

### 3.5 Building Construction - 2027

#### 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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4019</b>	<b>301.4019</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8874</b>

### 3.5 Building Construction - 2027

#### 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	0.1017	0.5546	1.4343	3.5200e-003	0.0963	0.0129	0.1092	0.0277	0.0119	0.0395	0.0000	299.3786	299.3786	2.1700e-003	0.0000	299.4241
Worker	0.1337	0.1893	1.8179	8.0300e-003	0.6740	5.0800e-003	0.6791	0.1793	4.7100e-003	0.1840	0.0000	477.4486	477.4486	0.0193	0.0000	477.8531
<b>Total</b>	<b>0.2354</b>	<b>0.7439</b>	<b>3.2522</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0180</b>	<b>0.7883</b>	<b>0.2070</b>	<b>0.0166</b>	<b>0.2235</b>	<b>0.0000</b>	<b>776.8272</b>	<b>776.8272</b>	<b>0.0214</b>	<b>0.0000</b>	<b>777.2772</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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4015</b>	<b>301.4015</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8871</b>

### 3.5 Building Construction - 2027

#### 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	0.1017	0.5546	1.4343	3.5200e-003	0.0963	0.0129	0.1092	0.0277	0.0119	0.0395	0.0000	299.3786	299.3786	2.1700e-003	0.0000	299.4241
Worker	0.1337	0.1893	1.8179	8.0300e-003	0.6740	5.0800e-003	0.6791	0.1793	4.7100e-003	0.1840	0.0000	477.4486	477.4486	0.0193	0.0000	477.8531
<b>Total</b>	<b>0.2354</b>	<b>0.7439</b>	<b>3.2522</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0180</b>	<b>0.7883</b>	<b>0.2070</b>	<b>0.0166</b>	<b>0.2235</b>	<b>0.0000</b>	<b>776.8272</b>	<b>776.8272</b>	<b>0.0214</b>	<b>0.0000</b>	<b>777.2772</b>

### 3.5 Building Construction - 2028

#### 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	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2471	300.2471	0.0705	0.0000	301.7269
<b>Total</b>	<b>0.1770</b>	<b>1.6133</b>	<b>2.0867</b>	<b>3.4900e-003</b>		<b>0.0683</b>	<b>0.0683</b>		<b>0.0642</b>	<b>0.0642</b>	<b>0.0000</b>	<b>300.2471</b>	<b>300.2471</b>	<b>0.0705</b>	<b>0.0000</b>	<b>301.7269</b>



### 3.5 Building Construction - 2028

#### 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	0.1005	0.5486	1.4170	3.5100e-003	0.0959	0.0128	0.1088	0.0276	0.0118	0.0394	0.0000	298.2667	298.2667	2.1600e-003	0.0000	298.3119
Worker	0.1281	0.1807	1.7433	8.0000e-003	0.6714	5.0800e-003	0.6765	0.1786	4.7100e-003	0.1833	0.0000	471.6304	471.6304	0.0187	0.0000	472.0227
<b>Total</b>	<b>0.2287</b>	<b>0.7293</b>	<b>3.1604</b>	<b>0.0115</b>	<b>0.7673</b>	<b>0.0179</b>	<b>0.7852</b>	<b>0.2062</b>	<b>0.0165</b>	<b>0.2227</b>	<b>0.0000</b>	<b>769.8971</b>	<b>769.8971</b>	<b>0.0208</b>	<b>0.0000</b>	<b>770.3347</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	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2467	300.2467	0.0705	0.0000	301.7266
<b>Total</b>	<b>0.1770</b>	<b>1.6133</b>	<b>2.0867</b>	<b>3.4900e-003</b>		<b>0.0683</b>	<b>0.0683</b>		<b>0.0642</b>	<b>0.0642</b>	<b>0.0000</b>	<b>300.2467</b>	<b>300.2467</b>	<b>0.0705</b>	<b>0.0000</b>	<b>301.7266</b>

### 3.5 Building Construction - 2028

#### 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	0.1005	0.5486	1.4170	3.5100e-003	0.0959	0.0128	0.1088	0.0276	0.0118	0.0394	0.0000	298.2667	298.2667	2.1600e-003	0.0000	298.3119
Worker	0.1281	0.1807	1.7433	8.0000e-003	0.6714	5.0800e-003	0.6765	0.1786	4.7100e-003	0.1833	0.0000	471.6304	471.6304	0.0187	0.0000	472.0227
<b>Total</b>	<b>0.2287</b>	<b>0.7293</b>	<b>3.1604</b>	<b>0.0115</b>	<b>0.7673</b>	<b>0.0179</b>	<b>0.7852</b>	<b>0.2062</b>	<b>0.0165</b>	<b>0.2227</b>	<b>0.0000</b>	<b>769.8971</b>	<b>769.8971</b>	<b>0.0208</b>	<b>0.0000</b>	<b>770.3347</b>

### 3.5 Building Construction - 2029

#### 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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4019</b>	<b>301.4019</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8874</b>

### 3.5 Building Construction - 2029

#### 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	0.0000
Vendor	0.0992	0.5479	1.3999	3.5200e-003	0.0963	0.0129	0.1092	0.0277	0.0118	0.0395	0.0000	299.4528	299.4528	2.1700e-003	0.0000	0.0000	299.4983
Worker	0.1236	0.1738	1.6839	8.0300e-003	0.6740	5.1100e-003	0.6791	0.1793	4.7400e-003	0.1840	0.0000	469.9615	469.9615	0.0183	0.0000	0.0000	470.3449
<b>Total</b>	<b>0.2228</b>	<b>0.7217</b>	<b>3.0838</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0180</b>	<b>0.7883</b>	<b>0.2070</b>	<b>0.0166</b>	<b>0.2236</b>	<b>0.0000</b>	<b>769.4143</b>	<b>769.4143</b>	<b>0.0204</b>	<b>0.0000</b>	<b>0.0000</b>	<b>769.8432</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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	0.0000	302.8871
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4015</b>	<b>301.4015</b>	<b>0.0707</b>	<b>0.0000</b>	<b>0.0000</b>	<b>302.8871</b>

### 3.5 Building Construction - 2029

#### 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	0.0992	0.5479	1.3999	3.5200e-003	0.0963	0.0129	0.1092	0.0277	0.0118	0.0395	0.0000	299.4528	299.4528	2.1700e-003	0.0000	299.4983
Worker	0.1236	0.1738	1.6839	8.0300e-003	0.6740	5.1100e-003	0.6791	0.1793	4.7400e-003	0.1840	0.0000	469.9615	469.9615	0.0183	0.0000	470.3449
<b>Total</b>	<b>0.2228</b>	<b>0.7217</b>	<b>3.0838</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0180</b>	<b>0.7883</b>	<b>0.2070</b>	<b>0.0166</b>	<b>0.2236</b>	<b>0.0000</b>	<b>769.4143</b>	<b>769.4143</b>	<b>0.0204</b>	<b>0.0000</b>	<b>769.8432</b>

### 3.5 Building Construction - 2030

#### 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	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
<b>Total</b>	<b>0.1702</b>	<b>1.0333</b>	<b>2.1051</b>	<b>4.0200e-003</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>	<b>0.0000</b>	<b>341.5281</b>	<b>341.5281</b>	<b>0.0137</b>	<b>0.0000</b>	<b>341.8160</b>

### 3.5 Building Construction - 2030

#### 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	0.0973	0.5452	1.3815	3.5200e-003	0.0963	0.0129	0.1092	0.0277	0.0119	0.0396	0.0000	299.4910	299.4910	2.1700e-003	0.0000	299.5365
Worker	0.1189	0.1667	1.6260	8.0300e-003	0.6740	5.1200e-003	0.6791	0.1793	4.7500e-003	0.1840	0.0000	466.9631	466.9631	0.0178	0.0000	467.3369
<b>Total</b>	<b>0.2162</b>	<b>0.7119</b>	<b>3.0075</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0180</b>	<b>0.7883</b>	<b>0.2070</b>	<b>0.0166</b>	<b>0.2236</b>	<b>0.0000</b>	<b>766.4541</b>	<b>766.4541</b>	<b>0.0200</b>	<b>0.0000</b>	<b>766.8734</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	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
<b>Total</b>	<b>0.1702</b>	<b>1.0333</b>	<b>2.1051</b>	<b>4.0200e-003</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>	<b>0.0000</b>	<b>341.5277</b>	<b>341.5277</b>	<b>0.0137</b>	<b>0.0000</b>	<b>341.8156</b>

### 3.5 Building Construction - 2030

#### 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	0.0973	0.5452	1.3815	3.5200e-003	0.0963	0.0129	0.1092	0.0277	0.0119	0.0396	0.0000	299.4910	299.4910	2.1700e-003	0.0000	299.5365
Worker	0.1189	0.1667	1.6260	8.0300e-003	0.6740	5.1200e-003	0.6791	0.1793	4.7500e-003	0.1840	0.0000	466.9631	466.9631	0.0178	0.0000	467.3369
<b>Total</b>	<b>0.2162</b>	<b>0.7119</b>	<b>3.0075</b>	<b>0.0116</b>	<b>0.7703</b>	<b>0.0180</b>	<b>0.7883</b>	<b>0.2070</b>	<b>0.0166</b>	<b>0.2236</b>	<b>0.0000</b>	<b>766.4541</b>	<b>766.4541</b>	<b>0.0200</b>	<b>0.0000</b>	<b>766.8734</b>

### 3.5 Building Construction - 2031

#### 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	0.0509	0.3088	0.6291	1.2000e-003		5.7600e-003	5.7600e-003		5.7600e-003	5.7600e-003	0.0000	102.0659	102.0659	4.1000e-003	0.0000	102.1519
<b>Total</b>	<b>0.0509</b>	<b>0.3088</b>	<b>0.6291</b>	<b>1.2000e-003</b>		<b>5.7600e-003</b>	<b>5.7600e-003</b>		<b>5.7600e-003</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>102.0659</b>	<b>102.0659</b>	<b>4.1000e-003</b>	<b>0.0000</b>	<b>102.1519</b>

### 3.5 Building Construction - 2031

#### 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	0.0289	0.1625	0.4115	1.0500e-003	0.0288	3.8500e-003	0.0327	8.2800e-003	3.5400e-003	0.0118	0.0000	89.5071	89.5071	6.5000e-004	0.0000	89.5207
Worker	0.0341	0.0477	0.4692	2.4000e-003	0.2014	1.5300e-003	0.2030	0.0536	1.4200e-003	0.0550	0.0000	138.7821	138.7821	5.1900e-003	0.0000	138.8910
<b>Total</b>	<b>0.0630</b>	<b>0.2102</b>	<b>0.8807</b>	<b>3.4500e-003</b>	<b>0.2302</b>	<b>5.3800e-003</b>	<b>0.2356</b>	<b>0.0619</b>	<b>4.9600e-003</b>	<b>0.0668</b>	<b>0.0000</b>	<b>228.2892</b>	<b>228.2892</b>	<b>5.8400e-003</b>	<b>0.0000</b>	<b>228.4117</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	0.0509	0.3088	0.6291	1.2000e-003		5.7600e-003	5.7600e-003		5.7600e-003	5.7600e-003	0.0000	102.0658	102.0658	4.1000e-003	0.0000	102.1518
<b>Total</b>	<b>0.0509</b>	<b>0.3088</b>	<b>0.6291</b>	<b>1.2000e-003</b>		<b>5.7600e-003</b>	<b>5.7600e-003</b>		<b>5.7600e-003</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>102.0658</b>	<b>102.0658</b>	<b>4.1000e-003</b>	<b>0.0000</b>	<b>102.1518</b>

### 3.5 Building Construction - 2031

#### 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	0.0289	0.1625	0.4115	1.0500e-003	0.0288	3.8500e-003	0.0327	8.2800e-003	3.5400e-003	0.0118	0.0000	89.5071	89.5071	6.5000e-004	0.0000	89.5207
Worker	0.0341	0.0477	0.4692	2.4000e-003	0.2014	1.5300e-003	0.2030	0.0536	1.4200e-003	0.0550	0.0000	138.7821	138.7821	5.1900e-003	0.0000	138.8910
<b>Total</b>	<b>0.0630</b>	<b>0.2102</b>	<b>0.8807</b>	<b>3.4500e-003</b>	<b>0.2302</b>	<b>5.3800e-003</b>	<b>0.2356</b>	<b>0.0619</b>	<b>4.9600e-003</b>	<b>0.0668</b>	<b>0.0000</b>	<b>228.2892</b>	<b>228.2892</b>	<b>5.8400e-003</b>	<b>0.0000</b>	<b>228.4117</b>

### 3.6 Paving - 2031

#### 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	0.1240	0.6387	1.4200	2.5100e-003		0.0296	0.0296		0.0296	0.0296	0.0000	215.8181	215.8181	0.0101	0.0000	216.0306
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>0.1240</b>	<b>0.6387</b>	<b>1.4200</b>	<b>2.5100e-003</b>		<b>0.0296</b>	<b>0.0296</b>		<b>0.0296</b>	<b>0.0296</b>	<b>0.0000</b>	<b>215.8181</b>	<b>215.8181</b>	<b>0.0101</b>	<b>0.0000</b>	<b>216.0306</b>



### 3.6 Paving - 2031

#### 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	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	0.0000
Worker	2.1100e-003	2.9500e-003	0.0290	1.5000e-004	0.0125	9.0000e-005	0.0126	3.3100e-003	9.0000e-005	3.4000e-003	0.0000	8.5836	8.5836	3.2000e-004	0.0000	8.5903	
<b>Total</b>	<b>2.1100e-003</b>	<b>2.9500e-003</b>	<b>0.0290</b>	<b>1.5000e-004</b>	<b>0.0125</b>	<b>9.0000e-005</b>	<b>0.0126</b>	<b>3.3100e-003</b>	<b>9.0000e-005</b>	<b>3.4000e-003</b>	<b>0.0000</b>	<b>8.5836</b>	<b>8.5836</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>8.5903</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	0.1240	0.6387	1.4200	2.5100e-003		0.0296	0.0296		0.0296	0.0296	0.0000	215.8179	215.8179	0.0101	0.0000	216.0303
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>0.1240</b>	<b>0.6387</b>	<b>1.4200</b>	<b>2.5100e-003</b>		<b>0.0296</b>	<b>0.0296</b>		<b>0.0296</b>	<b>0.0296</b>	<b>0.0000</b>	<b>215.8179</b>	<b>215.8179</b>	<b>0.0101</b>	<b>0.0000</b>	<b>216.0303</b>

### 3.6 Paving - 2031

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	2.9500e-003	0.0290	1.5000e-004	0.0125	9.0000e-005	0.0126	3.3100e-003	9.0000e-005	3.4000e-003	0.0000	8.5836	8.5836	3.2000e-004	0.0000	8.5903
<b>Total</b>	<b>2.1100e-003</b>	<b>2.9500e-003</b>	<b>0.0290</b>	<b>1.5000e-004</b>	<b>0.0125</b>	<b>9.0000e-005</b>	<b>0.0126</b>	<b>3.3100e-003</b>	<b>9.0000e-005</b>	<b>3.4000e-003</b>	<b>0.0000</b>	<b>8.5836</b>	<b>8.5836</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>8.5903</b>

### 3.6 Paving - 2032

#### 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	0.0251	0.1291	0.2871	5.1000e-004		5.9800e-003	5.9800e-003		5.9800e-003	5.9800e-003	0.0000	43.6354	43.6354	2.0500e-003	0.0000	43.6783
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>0.0251</b>	<b>0.1291</b>	<b>0.2871</b>	<b>5.1000e-004</b>		<b>5.9800e-003</b>	<b>5.9800e-003</b>		<b>5.9800e-003</b>	<b>5.9800e-003</b>	<b>0.0000</b>	<b>43.6354</b>	<b>43.6354</b>	<b>2.0500e-003</b>	<b>0.0000</b>	<b>43.6783</b>

### 3.6 Paving - 2032

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	5.7000e-004	5.6900e-003	3.0000e-005	2.5200e-003	2.0000e-005	2.5400e-003	6.7000e-004	2.0000e-005	6.9000e-004	0.0000	1.7274	1.7274	6.0000e-005	0.0000	1.7287
<b>Total</b>	<b>4.1000e-004</b>	<b>5.7000e-004</b>	<b>5.6900e-003</b>	<b>3.0000e-005</b>	<b>2.5200e-003</b>	<b>2.0000e-005</b>	<b>2.5400e-003</b>	<b>6.7000e-004</b>	<b>2.0000e-005</b>	<b>6.9000e-004</b>	<b>0.0000</b>	<b>1.7274</b>	<b>1.7274</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.7287</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	0.0251	0.1291	0.2871	5.1000e-004		5.9800e-003	5.9800e-003		5.9800e-003	5.9800e-003	0.0000	43.6353	43.6353	2.0500e-003	0.0000	43.6783
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>0.0251</b>	<b>0.1291</b>	<b>0.2871</b>	<b>5.1000e-004</b>		<b>5.9800e-003</b>	<b>5.9800e-003</b>		<b>5.9800e-003</b>	<b>5.9800e-003</b>	<b>0.0000</b>	<b>43.6353</b>	<b>43.6353</b>	<b>2.0500e-003</b>	<b>0.0000</b>	<b>43.6783</b>

### 3.6 Paving - 2032

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	5.7000e-004	5.6900e-003	3.0000e-005	2.5200e-003	2.0000e-005	2.5400e-003	6.7000e-004	2.0000e-005	6.9000e-004	0.0000	1.7274	1.7274	6.0000e-005	0.0000	1.7287
<b>Total</b>	<b>4.1000e-004</b>	<b>5.7000e-004</b>	<b>5.6900e-003</b>	<b>3.0000e-005</b>	<b>2.5200e-003</b>	<b>2.0000e-005</b>	<b>2.5400e-003</b>	<b>6.7000e-004</b>	<b>2.0000e-005</b>	<b>6.9000e-004</b>	<b>0.0000</b>	<b>1.7274</b>	<b>1.7274</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.7287</b>

### 3.7 Architectural Coating - 2032

#### 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	20.1309					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.0942	0.1978	3.3000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	28.0858	28.0858	1.1400e-003	0.0000	28.1097
<b>Total</b>	<b>20.1452</b>	<b>0.0942</b>	<b>0.1978</b>	<b>3.3000e-004</b>		<b>2.2300e-003</b>	<b>2.2300e-003</b>		<b>2.2300e-003</b>	<b>2.2300e-003</b>	<b>0.0000</b>	<b>28.0858</b>	<b>28.0858</b>	<b>1.1400e-003</b>	<b>0.0000</b>	<b>28.1097</b>

### 3.7 Architectural Coating - 2032

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0186	0.0260	0.2573	1.3600e-003	0.1138	8.6000e-004	0.1147	0.0303	8.0000e-004	0.0311	0.0000	78.0601	78.0601	2.8700e-003	0.0000	78.1203
<b>Total</b>	<b>0.0186</b>	<b>0.0260</b>	<b>0.2573</b>	<b>1.3600e-003</b>	<b>0.1138</b>	<b>8.6000e-004</b>	<b>0.1147</b>	<b>0.0303</b>	<b>8.0000e-004</b>	<b>0.0311</b>	<b>0.0000</b>	<b>78.0601</b>	<b>78.0601</b>	<b>2.8700e-003</b>	<b>0.0000</b>	<b>78.1203</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	20.1309					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.0942	0.1978	3.3000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	28.0858	28.0858	1.1400e-003	0.0000	28.1096
<b>Total</b>	<b>20.1452</b>	<b>0.0942</b>	<b>0.1978</b>	<b>3.3000e-004</b>		<b>2.2300e-003</b>	<b>2.2300e-003</b>		<b>2.2300e-003</b>	<b>2.2300e-003</b>	<b>0.0000</b>	<b>28.0858</b>	<b>28.0858</b>	<b>1.1400e-003</b>	<b>0.0000</b>	<b>28.1096</b>

### 3.7 Architectural Coating - 2032

#### 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	0.0186	0.0260	0.2573	1.3600e-003	0.1138	8.6000e-004	0.1147	0.0303	8.0000e-004	0.0311	0.0000	78.0601	78.0601	2.8700e-003	0.0000	78.1203
<b>Total</b>	<b>0.0186</b>	<b>0.0260</b>	<b>0.2573</b>	<b>1.3600e-003</b>	<b>0.1138</b>	<b>8.6000e-004</b>	<b>0.1147</b>	<b>0.0303</b>	<b>8.0000e-004</b>	<b>0.0311</b>	<b>0.0000</b>	<b>78.0601</b>	<b>78.0601</b>	<b>2.8700e-003</b>	<b>0.0000</b>	<b>78.1203</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	6.8948	7.0133	49.5711	0.1144	8.4869	0.0718	8.5587	2.2691	0.0670	2.3360	0.0000	8,390.7128	8,390.7128	0.2603	0.0000	8,396.1795
Unmitigated	6.8948	7.0133	49.5711	0.1144	8.4869	0.0718	8.5587	2.2691	0.0670	2.3360	0.0000	8,390.7128	8,390.7128	0.2603	0.0000	8,396.1795

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	3,088.80	3,146.00	3146.00	8,674,272	8,674,272
General Light Industry	1,110.00	1,110.00	1110.00		
Regional Shopping Center	3,501.40	3,501.40	3501.40	5,677,483	5,677,483
Single Family Housing	3,085.50	3,085.50	3085.50	8,619,400	8,619,400
<b>Total</b>	<b>10,785.70</b>	<b>10,842.90</b>	<b>10,842.90</b>	<b>22,971,155</b>	<b>22,971,155</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-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	11.00	6.50	6.50	26.10	29.10	44.80	100	0	0
General Light Industry	0.00	0.00	0.00	59.00	28.00	13.00	100	0	0
Regional Shopping Center	11.00	6.50	5.70	16.30	64.70	19.00	54	35	11
Single Family Housing	11.00	6.50	6.50	26.10	29.10	44.80	100	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.576024	0.040328	0.182594	0.117261	0.017100	0.004888	0.017957	0.012200	0.000645	0.000596	0.026636	0.000298	0.002877

### 5.0 Energy Detail

#### 5.0.1 Fleet Mix

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	1,723.0220	1,723.0220	0.0779	0.0161	1,729.6551
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,723.0220	1,723.0220	0.0779	0.0161	1,729.6551
NaturalGas Mitigated	0.1770	1.5141	0.6528	9.6600e-003		0.1223	0.1223		0.1223	0.1223	0.0000	1,752.0931	1,752.0931	0.0336	0.0321	1,762.7561
NaturalGas Unmitigated	0.1770	1.5141	0.6528	9.6600e-003		0.1223	0.1223		0.1223	0.1223	0.0000	1,752.0931	1,752.0931	0.0336	0.0321	1,762.7561

**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					
Condo/Townhouse	1.38934e+007	0.0749	0.6402	0.2724	4.0900e-003		0.0518	0.0518		0.0518	0.0518	0.0000	741.4072	741.4072	0.0142	0.0136	745.9192
General Light Industry	25680	1.4000e-004	1.2600e-003	1.0600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.3704	1.3704	3.0000e-005	3.0000e-005	1.3787
Regional Shopping Center	393600	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.0040	21.0040	4.0000e-004	3.9000e-004	21.1318
Single Family Housing	1.85203e+007	0.0999	0.8534	0.3631	5.4500e-003		0.0690	0.0690		0.0690	0.0690	0.0000	988.3116	988.3116	0.0189	0.0181	994.3263
<b>Total</b>		<b>0.1770</b>	<b>1.5141</b>	<b>0.6528</b>	<b>9.6700e-003</b>		<b>0.1223</b>	<b>0.1223</b>		<b>0.1223</b>	<b>0.1223</b>	<b>0.0000</b>	<b>1,752.0931</b>	<b>1,752.0931</b>	<b>0.0336</b>	<b>0.0321</b>	<b>1,762.7561</b>



### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	25680	1.4000e-004	1.2600e-003	1.0600e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.3704	1.3704	3.0000e-005	3.0000e-005	1.3787
Regional Shopping Center	393600	2.1200e-003	0.0193	0.0162	1.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	21.0040	21.0040	4.0000e-004	3.9000e-004	21.1318
Single Family Housing	1.85203e+007	0.0999	0.8534	0.3631	5.4500e-003		0.0690	0.0690		0.0690	0.0690	0.0000	988.3116	988.3116	0.0189	0.0181	994.3263
Condo/Townhouse	1.38934e+007	0.0749	0.6402	0.2724	4.0900e-003		0.0518	0.0518		0.0518	0.0518	0.0000	741.4072	741.4072	0.0142	0.0136	745.9192
<b>Total</b>		<b>0.1770</b>	<b>1.5141</b>	<b>0.6528</b>	<b>9.6700e-003</b>		<b>0.1223</b>	<b>0.1223</b>		<b>0.1223</b>	<b>0.1223</b>	<b>0.0000</b>	<b>1,752.0931</b>	<b>1,752.0931</b>	<b>0.0336</b>	<b>0.0321</b>	<b>1,762.7561</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	2.43826e+006	709.3174	0.0321	6.6400e-003	712.0481
General Light Industry	8270	2.4058	1.1000e-004	2.0000e-005	2.4151
Regional Shopping Center	952020	276.9535	0.0125	2.5900e-003	278.0197
Single Family Housing	2.52429e+006	734.3452	0.0332	6.8700e-003	737.1722
<b>Total</b>		<b>1,723.0220</b>	<b>0.0779</b>	<b>0.0161</b>	<b>1,729.6551</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	2.43826e+006	709.3174	0.0321	6.6400e-003	712.0481
General Light Industry	8270	2.4058	1.1000e-004	2.0000e-005	2.4151
Regional Shopping Center	952020	276.9535	0.0125	2.5900e-003	278.0197
Single Family Housing	2.52429e+006	734.3452	0.0332	6.8700e-003	737.1722
<b>Total</b>		<b>1,723.0220</b>	<b>0.0779</b>	<b>0.0161</b>	<b>1,729.6551</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	8.8021	0.1276	10.8551	4.3600e-003		0.6087	0.6087		0.6087	0.6087	59.5830	40.5394	100.1225	0.1364	3.4300e-003	104.0508
Unmitigated	8.8021	0.1276	10.8551	4.3600e-003		0.6087	0.6087		0.6087	0.6087	59.5830	40.5394	100.1225	0.1364	3.4300e-003	104.0508

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.9059					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.1100					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.5775	0.0477	3.9147	3.9900e-003		0.5702	0.5702		0.5702	0.5702	59.5830	29.1975	88.7806	0.1255	3.4300e-003	92.4803
Landscaping	0.2087	0.0800	6.9403	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.3419	11.3419	0.0109	0.0000	11.5705
<b>Total</b>	<b>8.8021</b>	<b>0.1276</b>	<b>10.8551</b>	<b>4.3600e-003</b>		<b>0.6087</b>	<b>0.6087</b>		<b>0.6087</b>	<b>0.6087</b>	<b>59.5830</b>	<b>40.5394</b>	<b>100.1225</b>	<b>0.1364</b>	<b>3.4300e-003</b>	<b>104.0508</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.9059					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.1100					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.5775	0.0477	3.9147	3.9900e-003		0.5702	0.5702		0.5702	0.5702	59.5830	29.1975	88.7806	0.1255	3.4300e-003	92.4803
Landscaping	0.2087	0.0800	6.9403	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.3419	11.3419	0.0109	0.0000	11.5705
<b>Total</b>	<b>8.8021</b>	<b>0.1276</b>	<b>10.8551</b>	<b>4.3600e-003</b>		<b>0.6087</b>	<b>0.6087</b>		<b>0.6087</b>	<b>0.6087</b>	<b>59.5830</b>	<b>40.5394</b>	<b>100.1225</b>	<b>0.1364</b>	<b>3.4300e-003</b>	<b>104.0508</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	170.0408	2.1968	0.0530	232.6138
Unmitigated	170.0408	2.1972	0.0531	232.6478

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	37.2681 / 23.4951	94.4105	1.2181	0.0295	129.1194
General Light Industry	0.23125 / 0	0.4374	7.5500e-003	1.8000e-004	0.6522
Regional Shopping Center	6.07395 / 3.72274	15.2786	0.1985	4.8000e-003	20.9350
Single Family Housing	23.6509 / 14.9104	59.9143	0.7730	0.0187	81.9412
<b>Total</b>		<b>170.0408</b>	<b>2.1972</b>	<b>0.0531</b>	<b>232.6478</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	37.2681 / 23.4951	94.4105	1.2179	0.0294	129.1006
General Light Industry	0.23125 / 0	0.4374	7.5500e-003	1.8000e-004	0.6521
Regional Shopping Center	6.07395 / 3.72274	15.2786	0.1985	4.7900e-003	20.9319
Single Family Housing	23.6509 / 14.9104	59.9143	0.7729	0.0187	81.9292
<b>Total</b>		<b>170.0408</b>	<b>2.1968</b>	<b>0.0530</b>	<b>232.6138</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	159.6362	9.4342	0.0000	357.7549
Unmitigated	159.6362	9.4342	0.0000	357.7549

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	263.12	53.4110	3.1565	0.0000	119.6975
General Light Industry	1.24	0.2517	0.0149	0.0000	0.5641
Regional Shopping Center	86.1	17.4775	1.0329	0.0000	39.1683
Single Family Housing	435.96	88.4959	5.2300	0.0000	198.3251
<b>Total</b>		<b>159.6362</b>	<b>9.4342</b>	<b>0.0000</b>	<b>357.7549</b>



## 8.2 Waste by Land Use

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	263.12	53.4110	3.1565	0.0000	119.6975
General Light Industry	1.24	0.2517	0.0149	0.0000	0.5641
Regional Shopping Center	86.1	17.4775	1.0329	0.0000	39.1683
Single Family Housing	435.96	88.4959	5.2300	0.0000	198.3251
<b>Total</b>		<b>159.6362</b>	<b>9.4342</b>	<b>0.0000</b>	<b>357.7549</b>

## 9.0 Operational Offroad

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

## Oak Knoll Unmitigated Operational Alameda County, Annual

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	24.90	Acre	24.90	1,084,644.00	0
Parking Lot	87.21	1000sqft	2.00	87,210.00	0
City Park	37.10	Acre	37.10	1,616,076.00	0
Health Club	14.00	1000sqft	2.80	14,000.00	0
High Turnover (Sit Down Restaurant)	6.00	1000sqft	0.55	6,000.00	0
Condo/Townhouse	572.00	Dwelling Unit	34.00	572,000.00	1636
Single Family Housing	363.00	Dwelling Unit	36.00	653,400.00	1038
Supermarket	66.00	1000sqft	6.05	66,000.00	0

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	63
<b>Climate Zone</b>	5			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	290	<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 - Updated PG&E Utility CO2 Emission Factor

Land Use - Project specific data.

Construction Phase -

Vehicle Trips - Zeroed out trip rates.

Woodstoves - BAAQMD Reg 6 Rule 3

Consumer Products - Correction ROG EF based on actual land uses subject to consumer products.

Energy Use - Reflect Title 24 2013 Standards required by law.

Water And Wastewater - Based on BKF total daily/annual water use projection.

Solid Waste - Conservative Oakland ECAP Zero Waste Goal of 89% waste diversion by 2020.

Land Use Change - Acreage of project that contained removed vegetation.

Sequestration - Net number of new trees planted.

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConsumerProducts	ROG_EF	2.14E-05	6.9E-06
tblEnergyUse	T24E	135.74	97.73
tblEnergyUse	T24E	1.48	1.41
tblEnergyUse	T24E	3.26	3.10
tblEnergyUse	T24E	248.69	179.06
tblEnergyUse	T24E	3.32	3.15
tblEnergyUse	T24NG	21,338.24	15,363.53
tblEnergyUse	T24NG	18.78	17.84
tblEnergyUse	T24NG	41.99	39.89
tblEnergyUse	T24NG	44,827.08	32,275.50
tblEnergyUse	T24NG	25.82	24.53
tblFireplaces	NumberGas	314.60	394.68
tblFireplaces	NumberGas	199.65	363.00
tblFireplaces	NumberWood	80.08	0.00

tblFireplaces	NumberWood	163.35	0.00
tblLandUse	LotAcreage	0.32	2.80
tblLandUse	LotAcreage	0.14	0.55
tblLandUse	LotAcreage	35.75	34.00
tblLandUse	LotAcreage	117.86	36.00
tblLandUse	LotAcreage	1.52	6.05
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblProjectCharacteristics	OperationalYear	2014	2024
tblSequestration	NumberOfNewTrees	0.00	910.00
tblSolidWaste	SolidWasteGenerationRate	3.19	0.35
tblSolidWaste	SolidWasteGenerationRate	263.12	28.94
tblSolidWaste	SolidWasteGenerationRate	79.80	8.78
tblSolidWaste	SolidWasteGenerationRate	71.40	7.85
tblSolidWaste	SolidWasteGenerationRate	435.96	47.96
tblSolidWaste	SolidWasteGenerationRate	372.24	40.95
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	2.77	3.45
tblVehicleEF	HHD	1.70	1.09
tblVehicleEF	HHD	91.42	60.69
tblVehicleEF	HHD	576.43	527.63
tblVehicleEF	HHD	1,728.54	1,551.39
tblVehicleEF	HHD	68.75	49.32
tblVehicleEF	HHD	0.04	0.05
tblVehicleEF	HHD	6.02	3.27
tblVehicleEF	HHD	8.61	2.13
tblVehicleEF	HHD	5.18	3.88
tblVehicleEF	HHD	0.03	9.0910e-003

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.16	0.07
tblVehicleEF	HHD	6.3810e-003	8.3800e-004
tblVehicleEF	HHD	0.03	8.3640e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7630e-003	8.7720e-003
tblVehicleEF	HHD	0.15	0.07
tblVehicleEF	HHD	5.1380e-003	7.7700e-004
tblVehicleEF	HHD	2.9460e-003	1.2500e-003
tblVehicleEF	HHD	0.23	0.08
tblVehicleEF	HHD	0.53	0.61
tblVehicleEF	HHD	1.7440e-003	8.9000e-004
tblVehicleEF	HHD	0.34	0.22
tblVehicleEF	HHD	1.06	0.40
tblVehicleEF	HHD	4.31	1.60
tblVehicleEF	HHD	5.5830e-003	5.5930e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	2.2680e-003	1.5500e-003
tblVehicleEF	HHD	2.9460e-003	1.2500e-003
tblVehicleEF	HHD	0.23	0.08
tblVehicleEF	HHD	0.60	0.70
tblVehicleEF	HHD	1.7440e-003	8.9000e-004
tblVehicleEF	HHD	0.39	0.25
tblVehicleEF	HHD	1.06	0.40
tblVehicleEF	HHD	4.62	1.71
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.02	0.01

tblVehicleEF	HHD	2.02	2.50
tblVehicleEF	HHD	1.70	1.09
tblVehicleEF	HHD	66.40	41.34
tblVehicleEF	HHD	610.68	558.98
tblVehicleEF	HHD	1,728.54	1,551.39
tblVehicleEF	HHD	68.75	49.32
tblVehicleEF	HHD	0.04	0.05
tblVehicleEF	HHD	6.21	3.37
tblVehicleEF	HHD	8.29	2.05
tblVehicleEF	HHD	4.81	3.60
tblVehicleEF	HHD	0.03	7.6640e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.16	0.07
tblVehicleEF	HHD	6.3810e-003	8.3800e-004
tblVehicleEF	HHD	0.02	7.0510e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7630e-003	8.7720e-003
tblVehicleEF	HHD	0.15	0.07
tblVehicleEF	HHD	5.1380e-003	7.7700e-004
tblVehicleEF	HHD	8.3600e-003	3.1140e-003
tblVehicleEF	HHD	0.26	0.08
tblVehicleEF	HHD	0.50	0.58
tblVehicleEF	HHD	4.7730e-003	1.9820e-003
tblVehicleEF	HHD	0.34	0.22
tblVehicleEF	HHD	1.05	0.39
tblVehicleEF	HHD	3.19	1.27
tblVehicleEF	HHD	5.9150e-003	5.9250e-003

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.8400e-003	1.2360e-003
tblVehicleEF	HHD	8.3600e-003	3.1140e-003
tblVehicleEF	HHD	0.26	0.08
tblVehicleEF	HHD	0.57	0.66
tblVehicleEF	HHD	4.7730e-003	1.9820e-003
tblVehicleEF	HHD	0.39	0.25
tblVehicleEF	HHD	1.05	0.39
tblVehicleEF	HHD	3.42	1.36
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	3.82	4.75
tblVehicleEF	HHD	1.70	1.08
tblVehicleEF	HHD	114.83	77.65
tblVehicleEF	HHD	529.14	484.34
tblVehicleEF	HHD	1,728.54	1,551.39
tblVehicleEF	HHD	68.75	49.32
tblVehicleEF	HHD	0.04	0.05
tblVehicleEF	HHD	5.75	3.12
tblVehicleEF	HHD	8.75	2.16
tblVehicleEF	HHD	5.47	4.09
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.16	0.07
tblVehicleEF	HHD	6.3810e-003	8.3800e-004
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	8.7630e-003	8.7720e-003
tblVehicleEF	HHD	0.15	0.07
tblVehicleEF	HHD	5.1380e-003	7.7700e-004
tblVehicleEF	HHD	9.5000e-004	5.6900e-004
tblVehicleEF	HHD	0.30	0.08
tblVehicleEF	HHD	0.57	0.66
tblVehicleEF	HHD	6.3400e-004	4.2800e-004
tblVehicleEF	HHD	0.34	0.22
tblVehicleEF	HHD	1.15	0.45
tblVehicleEF	HHD	5.29	1.87
tblVehicleEF	HHD	5.1250e-003	5.1340e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	2.6670e-003	1.8240e-003
tblVehicleEF	HHD	9.5000e-004	5.6900e-004
tblVehicleEF	HHD	0.30	0.08
tblVehicleEF	HHD	0.65	0.75
tblVehicleEF	HHD	6.3400e-004	4.2800e-004
tblVehicleEF	HHD	0.39	0.25
tblVehicleEF	HHD	1.15	0.45
tblVehicleEF	HHD	5.68	2.00
tblVehicleEF	LDA	0.02	8.3230e-003
tblVehicleEF	LDA	0.02	4.6860e-003
tblVehicleEF	LDA	1.51	0.62
tblVehicleEF	LDA	3.36	1.29
tblVehicleEF	LDA	302.16	219.18
tblVehicleEF	LDA	66.41	48.27
tblVehicleEF	LDA	0.54	0.54
tblVehicleEF	LDA	0.15	0.07



tblVehicleEF	LDA	0.21	0.07
tblVehicleEF	LDA	2.3670e-003	1.8980e-003
tblVehicleEF	LDA	3.1820e-003	4.2000e-003
tblVehicleEF	LDA	2.1510e-003	1.7600e-003
tblVehicleEF	LDA	2.8990e-003	3.8970e-003
tblVehicleEF	LDA	0.06	0.02
tblVehicleEF	LDA	0.17	0.07
tblVehicleEF	LDA	0.05	0.02
tblVehicleEF	LDA	0.05	0.01
tblVehicleEF	LDA	0.40	0.20
tblVehicleEF	LDA	0.28	0.08
tblVehicleEF	LDA	3.4180e-003	3.4120e-003
tblVehicleEF	LDA	7.9200e-004	7.5900e-004
tblVehicleEF	LDA	0.06	0.02
tblVehicleEF	LDA	0.17	0.07
tblVehicleEF	LDA	0.05	0.02
tblVehicleEF	LDA	0.07	0.02
tblVehicleEF	LDA	0.40	0.20
tblVehicleEF	LDA	0.30	0.09
tblVehicleEF	LDA	0.02	8.3230e-003
tblVehicleEF	LDA	0.02	4.6860e-003
tblVehicleEF	LDA	1.71	0.73
tblVehicleEF	LDA	2.26	0.85
tblVehicleEF	LDA	326.64	237.03
tblVehicleEF	LDA	66.41	48.27
tblVehicleEF	LDA	0.54	0.54
tblVehicleEF	LDA	0.13	0.06
tblVehicleEF	LDA	0.19	0.06

tblVehicleEF	LDA	2.3670e-003	1.8980e-003
tblVehicleEF	LDA	3.1820e-003	4.2000e-003
tblVehicleEF	LDA	2.1510e-003	1.7600e-003
tblVehicleEF	LDA	2.8990e-003	3.8970e-003
tblVehicleEF	LDA	0.15	0.06
tblVehicleEF	LDA	0.19	0.08
tblVehicleEF	LDA	0.11	0.05
tblVehicleEF	LDA	0.05	0.01
tblVehicleEF	LDA	0.38	0.18
tblVehicleEF	LDA	0.21	0.06
tblVehicleEF	LDA	3.6980e-003	3.6920e-003
tblVehicleEF	LDA	7.7200e-004	7.5200e-004
tblVehicleEF	LDA	0.15	0.06
tblVehicleEF	LDA	0.19	0.08
tblVehicleEF	LDA	0.11	0.05
tblVehicleEF	LDA	0.07	0.02
tblVehicleEF	LDA	0.38	0.18
tblVehicleEF	LDA	0.22	0.07
tblVehicleEF	LDA	0.02	8.3230e-003
tblVehicleEF	LDA	0.02	4.6860e-003
tblVehicleEF	LDA	1.55	0.61
tblVehicleEF	LDA	4.11	1.59
tblVehicleEF	LDA	299.71	217.40
tblVehicleEF	LDA	66.41	48.27
tblVehicleEF	LDA	0.54	0.54
tblVehicleEF	LDA	0.16	0.07
tblVehicleEF	LDA	0.23	0.08
tblVehicleEF	LDA	2.3670e-003	1.8980e-003

tblVehicleEF	LDA	3.1820e-003	4.2000e-003
tblVehicleEF	LDA	2.1510e-003	1.7600e-003
tblVehicleEF	LDA	2.8990e-003	3.8970e-003
tblVehicleEF	LDA	0.02	9.3570e-003
tblVehicleEF	LDA	0.18	0.08
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.05	0.01
tblVehicleEF	LDA	0.46	0.23
tblVehicleEF	LDA	0.33	0.10
tblVehicleEF	LDA	3.3910e-003	3.3840e-003
tblVehicleEF	LDA	8.0500e-004	7.6500e-004
tblVehicleEF	LDA	0.02	9.3570e-003
tblVehicleEF	LDA	0.18	0.08
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.07	0.02
tblVehicleEF	LDA	0.46	0.23
tblVehicleEF	LDA	0.35	0.10
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.03	0.01
tblVehicleEF	LDT1	3.54	1.41
tblVehicleEF	LDT1	7.39	3.19
tblVehicleEF	LDT1	356.76	271.84
tblVehicleEF	LDT1	77.91	59.80
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.38	0.16
tblVehicleEF	LDT1	0.38	0.17
tblVehicleEF	LDT1	4.8930e-003	2.8090e-003
tblVehicleEF	LDT1	5.7990e-003	4.6960e-003

tblVehicleEF	LDT1	4.4610e-003	2.6050e-003
tblVehicleEF	LDT1	5.2970e-003	4.3570e-003
tblVehicleEF	LDT1	0.13	0.08
tblVehicleEF	LDT1	0.31	0.21
tblVehicleEF	LDT1	0.10	0.08
tblVehicleEF	LDT1	0.12	0.03
tblVehicleEF	LDT1	1.17	0.74
tblVehicleEF	LDT1	0.57	0.22
tblVehicleEF	LDT1	3.9660e-003	3.9580e-003
tblVehicleEF	LDT1	9.7300e-004	9.0700e-004
tblVehicleEF	LDT1	0.13	0.08
tblVehicleEF	LDT1	0.31	0.21
tblVehicleEF	LDT1	0.10	0.08
tblVehicleEF	LDT1	0.15	0.05
tblVehicleEF	LDT1	1.17	0.74
tblVehicleEF	LDT1	0.61	0.24
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.03	0.01
tblVehicleEF	LDT1	3.93	1.63
tblVehicleEF	LDT1	4.98	2.12
tblVehicleEF	LDT1	383.30	292.76
tblVehicleEF	LDT1	77.91	59.80
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.33	0.14
tblVehicleEF	LDT1	0.34	0.15
tblVehicleEF	LDT1	4.8930e-003	2.8090e-003
tblVehicleEF	LDT1	5.7990e-003	4.6960e-003
tblVehicleEF	LDT1	4.4610e-003	2.6050e-003

tblVehicleEF	LDT1	5.2970e-003	4.3570e-003
tblVehicleEF	LDT1	0.36	0.22
tblVehicleEF	LDT1	0.37	0.24
tblVehicleEF	LDT1	0.24	0.16
tblVehicleEF	LDT1	0.12	0.03
tblVehicleEF	LDT1	1.08	0.67
tblVehicleEF	LDT1	0.43	0.17
tblVehicleEF	LDT1	4.2660e-003	4.2680e-003
tblVehicleEF	LDT1	9.3100e-004	8.8800e-004
tblVehicleEF	LDT1	0.36	0.22
tblVehicleEF	LDT1	0.37	0.24
tblVehicleEF	LDT1	0.24	0.16
tblVehicleEF	LDT1	0.15	0.05
tblVehicleEF	LDT1	1.08	0.67
tblVehicleEF	LDT1	0.46	0.18
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.03	0.01
tblVehicleEF	LDT1	3.61	1.40
tblVehicleEF	LDT1	9.03	3.91
tblVehicleEF	LDT1	354.10	269.75
tblVehicleEF	LDT1	77.91	59.80
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.41	0.17
tblVehicleEF	LDT1	0.41	0.18
tblVehicleEF	LDT1	4.8930e-003	2.8090e-003
tblVehicleEF	LDT1	5.7990e-003	4.6960e-003
tblVehicleEF	LDT1	4.4610e-003	2.6050e-003
tblVehicleEF	LDT1	5.2970e-003	4.3570e-003

tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.34	0.23
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.12	0.03
tblVehicleEF	LDT1	1.46	0.91
tblVehicleEF	LDT1	0.68	0.26
tblVehicleEF	LDT1	3.9380e-003	3.9270e-003
tblVehicleEF	LDT1	1.0020e-003	9.2000e-004
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.34	0.23
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.15	0.05
tblVehicleEF	LDT1	1.46	0.91
tblVehicleEF	LDT1	0.73	0.28
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.02	6.6260e-003
tblVehicleEF	LDT2	1.93	0.81
tblVehicleEF	LDT2	4.67	1.82
tblVehicleEF	LDT2	428.85	334.46
tblVehicleEF	LDT2	93.48	73.52
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.25	0.10
tblVehicleEF	LDT2	0.42	0.13
tblVehicleEF	LDT2	2.1250e-003	1.8300e-003
tblVehicleEF	LDT2	2.9890e-003	4.0760e-003
tblVehicleEF	LDT2	1.9380e-003	1.6980e-003
tblVehicleEF	LDT2	2.7370e-003	3.7820e-003
tblVehicleEF	LDT2	0.06	0.04

tblVehicleEF	LDT2	0.17	0.12
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.61	0.39
tblVehicleEF	LDT2	0.35	0.12
tblVehicleEF	LDT2	4.6610e-003	4.6410e-003
tblVehicleEF	LDT2	1.0810e-003	1.0380e-003
tblVehicleEF	LDT2	0.06	0.04
tblVehicleEF	LDT2	0.17	0.12
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.08	0.03
tblVehicleEF	LDT2	0.61	0.39
tblVehicleEF	LDT2	0.37	0.13
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.02	6.6260e-003
tblVehicleEF	LDT2	2.20	0.95
tblVehicleEF	LDT2	3.12	1.20
tblVehicleEF	LDT2	462.50	360.96
tblVehicleEF	LDT2	93.48	73.52
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.22	0.09
tblVehicleEF	LDT2	0.37	0.12
tblVehicleEF	LDT2	2.1250e-003	1.8300e-003
tblVehicleEF	LDT2	2.9890e-003	4.0760e-003
tblVehicleEF	LDT2	1.9380e-003	1.6980e-003
tblVehicleEF	LDT2	2.7370e-003	3.7820e-003
tblVehicleEF	LDT2	0.15	0.10
tblVehicleEF	LDT2	0.20	0.13

tblVehicleEF	LDT2	0.12	0.09
tblVehicleEF	LDT2	0.06	0.02
tblVehicleEF	LDT2	0.56	0.36
tblVehicleEF	LDT2	0.26	0.09
tblVehicleEF	LDT2	5.0310e-003	5.0120e-003
tblVehicleEF	LDT2	1.0540e-003	1.0270e-003
tblVehicleEF	LDT2	0.15	0.10
tblVehicleEF	LDT2	0.20	0.13
tblVehicleEF	LDT2	0.12	0.09
tblVehicleEF	LDT2	0.08	0.03
tblVehicleEF	LDT2	0.56	0.36
tblVehicleEF	LDT2	0.28	0.09
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.02	6.6260e-003
tblVehicleEF	LDT2	1.96	0.80
tblVehicleEF	LDT2	5.72	2.23
tblVehicleEF	LDT2	425.48	331.81
tblVehicleEF	LDT2	93.48	73.52
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.28	0.11
tblVehicleEF	LDT2	0.45	0.14
tblVehicleEF	LDT2	2.1250e-003	1.8300e-003
tblVehicleEF	LDT2	2.9890e-003	4.0760e-003
tblVehicleEF	LDT2	1.9380e-003	1.6980e-003
tblVehicleEF	LDT2	2.7370e-003	3.7820e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.19	0.12
tblVehicleEF	LDT2	0.02	0.02



tblVehicleEF	LDT2	0.05	0.01
tblVehicleEF	LDT2	0.74	0.47
tblVehicleEF	LDT2	0.41	0.14
tblVehicleEF	LDT2	4.6250e-003	4.6040e-003
tblVehicleEF	LDT2	1.1000e-003	1.0450e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.19	0.12
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.03
tblVehicleEF	LDT2	0.74	0.47
tblVehicleEF	LDT2	0.44	0.15
tblVehicleEF	LHD1	1.2650e-003	1.1880e-003
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.18	0.18
tblVehicleEF	LHD1	2.62	1.07
tblVehicleEF	LHD1	6.23	3.85
tblVehicleEF	LHD1	8.54	7.80
tblVehicleEF	LHD1	833.73	760.22
tblVehicleEF	LHD1	42.51	40.00
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	1.64	0.81
tblVehicleEF	LHD1	1.45	1.19
tblVehicleEF	LHD1	6.2000e-004	5.5800e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.1270e-003	9.1290e-003
tblVehicleEF	LHD1	0.02	0.01

tblVehicleEF	LHD1	1.4700e-003	6.7200e-004
tblVehicleEF	LHD1	5.7000e-004	5.1400e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.3510e-003	6.2400e-004
tblVehicleEF	LHD1	2.1720e-003	1.8220e-003
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.1290e-003	1.1450e-003
tblVehicleEF	LHD1	0.24	0.10
tblVehicleEF	LHD1	0.47	0.43
tblVehicleEF	LHD1	0.53	0.31
tblVehicleEF	LHD1	8.4260e-003	8.3820e-003
tblVehicleEF	LHD1	5.4500e-004	5.1400e-004
tblVehicleEF	LHD1	2.1720e-003	1.8220e-003
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.1290e-003	1.1450e-003
tblVehicleEF	LHD1	0.28	0.12
tblVehicleEF	LHD1	0.47	0.43
tblVehicleEF	LHD1	0.57	0.33
tblVehicleEF	LHD1	1.2650e-003	1.1880e-003
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.18	0.18
tblVehicleEF	LHD1	2.70	1.10
tblVehicleEF	LHD1	4.21	2.63
tblVehicleEF	LHD1	8.54	7.80

tblVehicleEF	LHD1	833.73	760.22
tblVehicleEF	LHD1	42.51	40.00
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	1.55	0.76
tblVehicleEF	LHD1	1.35	1.11
tblVehicleEF	LHD1	6.2000e-004	5.5800e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.1270e-003	9.1290e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.4700e-003	6.7200e-004
tblVehicleEF	LHD1	5.7000e-004	5.1400e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.3510e-003	6.2400e-004
tblVehicleEF	LHD1	5.7920e-003	4.4840e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.7900e-003	2.4580e-003
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tblVehicleEF	LHD1	0.45	0.41
tblVehicleEF	LHD1	0.42	0.25
tblVehicleEF	LHD1	8.4270e-003	8.3820e-003
tblVehicleEF	LHD1	5.1000e-004	4.9300e-004
tblVehicleEF	LHD1	5.7920e-003	4.4840e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.7900e-003	2.4580e-003

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tblVehicleEF	LHD1	0.45	0.41
tblVehicleEF	LHD1	0.45	0.27
tblVehicleEF	LHD1	1.2650e-003	1.1880e-003
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.18	0.18
tblVehicleEF	LHD1	2.58	1.05
tblVehicleEF	LHD1	8.04	4.94
tblVehicleEF	LHD1	8.54	7.80
tblVehicleEF	LHD1	833.73	760.22
tblVehicleEF	LHD1	42.51	40.00
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	1.69	0.83
tblVehicleEF	LHD1	1.53	1.25
tblVehicleEF	LHD1	6.2000e-004	5.5800e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.1270e-003	9.1290e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.4700e-003	6.7200e-004
tblVehicleEF	LHD1	5.7000e-004	5.1400e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.3510e-003	6.2400e-004
tblVehicleEF	LHD1	7.2900e-004	7.7500e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	4.7100e-004	5.6100e-004
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tblVehicleEF	LHD1	0.52	0.48
tblVehicleEF	LHD1	0.62	0.36
tblVehicleEF	LHD1	8.4250e-003	8.3820e-003
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tblVehicleEF	LHD1	7.2900e-004	7.7500e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	4.7100e-004	5.6100e-004
tblVehicleEF	LHD1	0.27	0.12
tblVehicleEF	LHD1	0.52	0.48
tblVehicleEF	LHD1	0.67	0.39
tblVehicleEF	LHD2	9.8700e-004	9.3200e-004
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	0.02	9.7060e-003
tblVehicleEF	LHD2	0.15	0.14
tblVehicleEF	LHD2	2.27	0.79
tblVehicleEF	LHD2	4.45	2.22
tblVehicleEF	LHD2	9.39	8.58
tblVehicleEF	LHD2	719.53	657.39
tblVehicleEF	LHD2	29.18	26.95
tblVehicleEF	LHD2	4.7170e-003	4.5480e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	2.47	1.16
tblVehicleEF	LHD2	0.95	0.73
tblVehicleEF	LHD2	1.2080e-003	1.1160e-003
tblVehicleEF	LHD2	0.07	0.06

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.1780e-003	3.1900e-004
tblVehicleEF	LHD2	1.1110e-003	1.0270e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.5420e-003	2.5360e-003
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.0450e-003	2.9600e-004
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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0300e-004	6.3700e-004
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tblVehicleEF	LHD2	0.40	0.24
tblVehicleEF	LHD2	0.38	0.17
tblVehicleEF	LHD2	7.1970e-003	7.1750e-003
tblVehicleEF	LHD2	3.7800e-004	3.3900e-004
tblVehicleEF	LHD2	1.6050e-003	9.8400e-004
tblVehicleEF	LHD2	0.06	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.0300e-004	6.3700e-004
tblVehicleEF	LHD2	0.27	0.11
tblVehicleEF	LHD2	0.40	0.24
tblVehicleEF	LHD2	0.40	0.18
tblVehicleEF	LHD2	9.8700e-004	9.3200e-004
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	0.02	9.7060e-003
tblVehicleEF	LHD2	0.15	0.14

tblVehicleEF	LHD2	2.29	0.80
tblVehicleEF	LHD2	3.09	1.52
tblVehicleEF	LHD2	9.39	8.58
tblVehicleEF	LHD2	719.53	657.39
tblVehicleEF	LHD2	29.18	26.95
tblVehicleEF	LHD2	4.7170e-003	4.5480e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	2.36	1.11
tblVehicleEF	LHD2	0.88	0.67
tblVehicleEF	LHD2	1.2080e-003	1.1160e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.1780e-003	3.1900e-004
tblVehicleEF	LHD2	1.1110e-003	1.0270e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.5420e-003	2.5360e-003
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.0450e-003	2.9600e-004
tblVehicleEF	LHD2	4.3360e-003	2.4020e-003
tblVehicleEF	LHD2	0.07	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.0370e-003	1.3550e-003
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tblVehicleEF	LHD2	0.39	0.24
tblVehicleEF	LHD2	0.30	0.14
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tblVehicleEF	LHD2	3.5400e-004	3.2700e-004

tblVehicleEF	LHD2	4.3360e-003	2.4020e-003
tblVehicleEF	LHD2	0.07	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.0370e-003	1.3550e-003
tblVehicleEF	LHD2	0.27	0.11
tblVehicleEF	LHD2	0.39	0.24
tblVehicleEF	LHD2	0.32	0.15
tblVehicleEF	LHD2	9.8700e-004	9.3200e-004
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	0.02	9.7060e-003
tblVehicleEF	LHD2	0.15	0.14
tblVehicleEF	LHD2	2.28	0.79
tblVehicleEF	LHD2	5.68	2.84
tblVehicleEF	LHD2	9.39	8.58
tblVehicleEF	LHD2	719.53	657.39
tblVehicleEF	LHD2	29.18	26.95
tblVehicleEF	LHD2	4.7170e-003	4.5480e-003
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tblVehicleEF	LHD2	2.52	1.18
tblVehicleEF	LHD2	1.00	0.77
tblVehicleEF	LHD2	1.2080e-003	1.1160e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.1780e-003	3.1900e-004
tblVehicleEF	LHD2	1.1110e-003	1.0270e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.5420e-003	2.5360e-003



tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.0450e-003	2.9600e-004
tblVehicleEF	LHD2	5.2200e-004	4.3500e-004
tblVehicleEF	LHD2	0.07	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.3100e-004	3.1800e-004
tblVehicleEF	LHD2	0.23	0.09
tblVehicleEF	LHD2	0.45	0.27
tblVehicleEF	LHD2	0.44	0.20
tblVehicleEF	LHD2	7.1970e-003	7.1750e-003
tblVehicleEF	LHD2	3.9900e-004	3.5000e-004
tblVehicleEF	LHD2	5.2200e-004	4.3500e-004
tblVehicleEF	LHD2	0.07	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.3100e-004	3.1800e-004
tblVehicleEF	LHD2	0.26	0.11
tblVehicleEF	LHD2	0.45	0.27
tblVehicleEF	LHD2	0.47	0.21
tblVehicleEF	MCY	31.54	24.39
tblVehicleEF	MCY	10.63	11.21
tblVehicleEF	MCY	150.33	150.64
tblVehicleEF	MCY	46.22	37.25
tblVehicleEF	MCY	5.4930e-003	5.6760e-003
tblVehicleEF	MCY	1.29	1.23
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	0.04	0.04
tblVehicleEF	MCY	7.9990e-003	8.0000e-003
tblVehicleEF	MCY	8.9900e-004	2.8600e-004

tblVehicleEF	MCY	2.6750e-003	7.7900e-004
tblVehicleEF	MCY	0.02	0.02
tblVehicleEF	MCY	7.1700e-004	2.4500e-004
tblVehicleEF	MCY	2.0920e-003	6.6600e-004
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tblVehicleEF	MCY	0.37	0.33
tblVehicleEF	MCY	2.94	2.67
tblVehicleEF	MCY	2.07	1.22
tblVehicleEF	MCY	2.41	2.23
tblVehicleEF	MCY	2.1140e-003	2.1400e-003
tblVehicleEF	MCY	7.1200e-004	6.6000e-004
tblVehicleEF	MCY	0.64	0.59
tblVehicleEF	MCY	0.50	0.35
tblVehicleEF	MCY	0.37	0.33
tblVehicleEF	MCY	3.21	2.92
tblVehicleEF	MCY	2.07	1.22
tblVehicleEF	MCY	2.59	2.39
tblVehicleEF	MCY	29.45	22.97
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tblVehicleEF	MCY	150.33	150.64
tblVehicleEF	MCY	46.22	37.25
tblVehicleEF	MCY	5.4930e-003	5.6760e-003
tblVehicleEF	MCY	1.12	1.07
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	0.04	0.04
tblVehicleEF	MCY	7.9990e-003	8.0000e-003
tblVehicleEF	MCY	8.9900e-004	2.8600e-004

tblVehicleEF	MCY	2.6750e-003	7.7900e-004
tblVehicleEF	MCY	0.02	0.02
tblVehicleEF	MCY	7.1700e-004	2.4500e-004
tblVehicleEF	MCY	2.0920e-003	6.6600e-004
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tblVehicleEF	MCY	0.67	0.52
tblVehicleEF	MCY	1.23	1.10
tblVehicleEF	MCY	2.78	2.57
tblVehicleEF	MCY	1.92	1.10
tblVehicleEF	MCY	1.90	1.79
tblVehicleEF	MCY	2.0760e-003	2.1150e-003
tblVehicleEF	MCY	6.6600e-004	6.0900e-004
tblVehicleEF	MCY	1.95	1.80
tblVehicleEF	MCY	0.67	0.52
tblVehicleEF	MCY	1.23	1.10
tblVehicleEF	MCY	3.04	2.81
tblVehicleEF	MCY	1.92	1.10
tblVehicleEF	MCY	2.04	1.92
tblVehicleEF	MCY	34.65	26.55
tblVehicleEF	MCY	12.45	13.38
tblVehicleEF	MCY	150.33	150.64
tblVehicleEF	MCY	46.22	37.25
tblVehicleEF	MCY	5.4930e-003	5.6760e-003
tblVehicleEF	MCY	1.38	1.31
tblVehicleEF	MCY	0.34	0.34
tblVehicleEF	MCY	0.04	0.04
tblVehicleEF	MCY	7.9990e-003	8.0000e-003
tblVehicleEF	MCY	8.9900e-004	2.8600e-004

tblVehicleEF	MCY	2.6750e-003	7.7900e-004
tblVehicleEF	MCY	0.02	0.02
tblVehicleEF	MCY	7.1700e-004	2.4500e-004
tblVehicleEF	MCY	2.0920e-003	6.6600e-004
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tblVehicleEF	MCY	0.11	0.10
tblVehicleEF	MCY	3.11	2.77
tblVehicleEF	MCY	2.47	1.53
tblVehicleEF	MCY	2.86	2.61
tblVehicleEF	MCY	2.1680e-003	2.1770e-003
tblVehicleEF	MCY	7.5500e-004	7.0600e-004
tblVehicleEF	MCY	0.15	0.14
tblVehicleEF	MCY	0.61	0.41
tblVehicleEF	MCY	0.11	0.10
tblVehicleEF	MCY	3.38	3.03
tblVehicleEF	MCY	2.47	1.53
tblVehicleEF	MCY	3.08	2.80
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	2.74	1.38
tblVehicleEF	MDV	7.31	3.86
tblVehicleEF	MDV	555.27	447.62
tblVehicleEF	MDV	120.00	98.69
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.42	0.20
tblVehicleEF	MDV	0.65	0.32
tblVehicleEF	MDV	2.4570e-003	2.0280e-003

tblVehicleEF	MDV	3.7210e-003	4.0140e-003
tblVehicleEF	MDV	2.2590e-003	1.8810e-003
tblVehicleEF	MDV	3.4270e-003	3.7240e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.19	0.21
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.08	0.03
tblVehicleEF	MDV	0.68	0.64
tblVehicleEF	MDV	0.62	0.30
tblVehicleEF	MDV	5.9110e-003	5.9290e-003
tblVehicleEF	MDV	1.3880e-003	1.3450e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.19	0.21
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.11	0.05
tblVehicleEF	MDV	0.68	0.64
tblVehicleEF	MDV	0.66	0.32
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	3.13	1.62
tblVehicleEF	MDV	4.88	2.55
tblVehicleEF	MDV	598.22	482.76
tblVehicleEF	MDV	120.00	98.69
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.37	0.17
tblVehicleEF	MDV	0.57	0.28
tblVehicleEF	MDV	2.4570e-003	2.0280e-003
tblVehicleEF	MDV	3.7210e-003	4.0140e-003

tblVehicleEF	MDV	2.2590e-003	1.8810e-003
tblVehicleEF	MDV	3.4270e-003	3.7240e-003
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.22	0.22
tblVehicleEF	MDV	0.14	0.15
tblVehicleEF	MDV	0.09	0.04
tblVehicleEF	MDV	0.63	0.60
tblVehicleEF	MDV	0.47	0.23
tblVehicleEF	MDV	6.3720e-003	6.3980e-003
tblVehicleEF	MDV	1.3450e-003	1.3220e-003
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.22	0.22
tblVehicleEF	MDV	0.14	0.15
tblVehicleEF	MDV	0.12	0.06
tblVehicleEF	MDV	0.63	0.60
tblVehicleEF	MDV	0.50	0.24
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	2.77	1.36
tblVehicleEF	MDV	8.96	4.74
tblVehicleEF	MDV	550.98	444.10
tblVehicleEF	MDV	120.00	98.69
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.46	0.21
tblVehicleEF	MDV	0.70	0.35
tblVehicleEF	MDV	2.4570e-003	2.0280e-003
tblVehicleEF	MDV	3.7210e-003	4.0140e-003
tblVehicleEF	MDV	2.2590e-003	1.8810e-003

tblVehicleEF	MDV	3.4270e-003	3.7240e-003
tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.08	0.03
tblVehicleEF	MDV	0.83	0.78
tblVehicleEF	MDV	0.73	0.35
tblVehicleEF	MDV	5.8660e-003	5.8820e-003
tblVehicleEF	MDV	1.4170e-003	1.3600e-003
tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.11	0.05
tblVehicleEF	MDV	0.83	0.78
tblVehicleEF	MDV	0.78	0.38
tblVehicleEF	MH	8.71	1.01
tblVehicleEF	MH	14.76	6.18
tblVehicleEF	MH	728.94	665.11
tblVehicleEF	MH	35.35	28.78
tblVehicleEF	MH	1.4280e-003	1.4000e-003
tblVehicleEF	MH	2.08	1.03
tblVehicleEF	MH	1.14	0.67
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.4820e-003	8.4680e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.6850e-003	4.5900e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1200e-003	2.1170e-003

tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.2900e-003	4.2600e-004
tblVehicleEF	MH	1.18	0.56
tblVehicleEF	MH	0.11	0.05
tblVehicleEF	MH	0.43	0.24
tblVehicleEF	MH	0.32	0.06
tblVehicleEF	MH	2.56	1.29
tblVehicleEF	MH	0.92	0.32
tblVehicleEF	MH	7.4690e-003	7.3310e-003
tblVehicleEF	MH	6.1900e-004	4.2600e-004
tblVehicleEF	MH	1.18	0.56
tblVehicleEF	MH	0.11	0.05
tblVehicleEF	MH	0.43	0.24
tblVehicleEF	MH	0.37	0.08
tblVehicleEF	MH	2.56	1.29
tblVehicleEF	MH	0.98	0.34
tblVehicleEF	MH	8.78	1.05
tblVehicleEF	MH	9.80	4.17
tblVehicleEF	MH	728.94	665.11
tblVehicleEF	MH	35.35	28.78
tblVehicleEF	MH	1.4280e-003	1.4000e-003
tblVehicleEF	MH	1.90	0.96
tblVehicleEF	MH	1.06	0.62
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.4820e-003	8.4680e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.6850e-003	4.5900e-004
tblVehicleEF	MH	0.02	0.02



tblVehicleEF	MH	2.1200e-003	2.1170e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.2900e-003	4.2600e-004
tblVehicleEF	MH	3.10	1.37
tblVehicleEF	MH	0.13	0.06
tblVehicleEF	MH	1.04	0.51
tblVehicleEF	MH	0.32	0.06
tblVehicleEF	MH	2.49	1.25
tblVehicleEF	MH	0.66	0.25
tblVehicleEF	MH	7.4700e-003	7.3320e-003
tblVehicleEF	MH	5.3300e-004	3.9300e-004
tblVehicleEF	MH	3.10	1.37
tblVehicleEF	MH	0.13	0.06
tblVehicleEF	MH	1.04	0.51
tblVehicleEF	MH	0.37	0.08
tblVehicleEF	MH	2.49	1.25
tblVehicleEF	MH	0.71	0.27
tblVehicleEF	MH	8.86	0.98
tblVehicleEF	MH	19.38	7.96
tblVehicleEF	MH	728.94	665.11
tblVehicleEF	MH	35.35	28.78
tblVehicleEF	MH	1.4280e-003	1.4000e-003
tblVehicleEF	MH	2.17	1.07
tblVehicleEF	MH	1.21	0.71
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.4820e-003	8.4680e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.6850e-003	4.5900e-004

tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.1200e-003	2.1170e-003
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	2.2900e-003	4.2600e-004
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tblVehicleEF	MH	0.15	0.06
tblVehicleEF	MH	0.18	0.12
tblVehicleEF	MH	0.32	0.06
tblVehicleEF	MH	2.75	1.40
tblVehicleEF	MH	1.15	0.37
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tblVehicleEF	MH	6.9900e-004	4.5600e-004
tblVehicleEF	MH	0.37	0.23
tblVehicleEF	MH	0.15	0.06
tblVehicleEF	MH	0.18	0.12
tblVehicleEF	MH	0.37	0.08
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tblVehicleEF	MHD	2.8850e-003	2.8910e-003
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tblVehicleEF	MHD	4.1650e-003	9.8500e-004
tblVehicleEF	MHD	3.0230e-003	1.5750e-003
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tblVehicleEF	MHD	0.21	0.18
tblVehicleEF	MHD	1.5460e-003	9.7900e-004
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tblVehicleEF	MHD	3.0230e-003	1.5750e-003
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tblVehicleEF	MHD	0.24	0.20
tblVehicleEF	MHD	1.5460e-003	9.7900e-004
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tblVehicleEF	MHD	0.78	0.44

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tblVehicleEF	MHD	0.01	4.7320e-003
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tblVehicleEF	MHD	1,112.56	1,004.94
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tblVehicleEF	MHD	7.42	3.43
tblVehicleEF	MHD	4.97	0.95
tblVehicleEF	MHD	2.41	1.33
tblVehicleEF	MHD	0.04	6.4380e-003
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.15	0.03
tblVehicleEF	MHD	4.9490e-003	1.0610e-003
tblVehicleEF	MHD	0.04	5.9230e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8850e-003	2.8910e-003
tblVehicleEF	MHD	0.14	0.03
tblVehicleEF	MHD	4.1650e-003	9.8500e-004
tblVehicleEF	MHD	8.5120e-003	3.9820e-003
tblVehicleEF	MHD	0.20	0.09
tblVehicleEF	MHD	0.20	0.17
tblVehicleEF	MHD	4.1990e-003	2.1900e-003
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tblVehicleEF	MHD	8.5120e-003	3.9820e-003
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tblVehicleEF	MHD	0.22	0.19
tblVehicleEF	MHD	4.1990e-003	2.1900e-003
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tblVehicleEF	MHD	0.01	4.7320e-003
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tblVehicleEF	MHD	1,112.56	1,004.94
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tblVehicleEF	MHD	2.74	1.51
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.15	0.03

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tblVehicleEF	MHD	0.05	8.5500e-003
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tblVehicleEF	MHD	2.8850e-003	2.8910e-003
tblVehicleEF	MHD	0.14	0.03
tblVehicleEF	MHD	4.1650e-003	9.8500e-004
tblVehicleEF	MHD	9.0000e-004	6.4200e-004
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tblVehicleEF	MHD	1.2710e-003	8.5100e-004
tblVehicleEF	MHD	9.0000e-004	6.4200e-004
tblVehicleEF	MHD	0.21	0.08
tblVehicleEF	MHD	0.25	0.22
tblVehicleEF	MHD	5.5900e-004	4.5900e-004
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tblVehicleEF	OBUS	3.3470e-003	2.9530e-003
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tblVehicleEF	OBUS	0.09	0.10
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tblVehicleEF	OBUS	2.5710e-003	2.6290e-003
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tblVehicleEF	SBUS	0.02	3.0800e-003

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tblVehicleEF	SBUS	0.08	0.04
tblVehicleEF	SBUS	0.02	3.0800e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	2.6380e-003	2.6090e-003
tblVehicleEF	SBUS	0.07	0.03
tblVehicleEF	SBUS	0.01	2.8580e-003
tblVehicleEF	SBUS	0.01	7.5090e-003
tblVehicleEF	SBUS	0.64	0.21
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	6.2030e-003	3.8800e-003
tblVehicleEF	SBUS	0.93	0.26
tblVehicleEF	SBUS	5.19	3.14
tblVehicleEF	SBUS	4.96	1.66
tblVehicleEF	SBUS	5.1720e-003	5.4120e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.6130e-003	1.8050e-003
tblVehicleEF	SBUS	0.01	7.5090e-003
tblVehicleEF	SBUS	0.64	0.21

tblVehicleEF	SBUS	0.14	0.13
tblVehicleEF	SBUS	6.2030e-003	3.8800e-003
tblVehicleEF	SBUS	1.02	0.30
tblVehicleEF	SBUS	5.19	3.14
tblVehicleEF	SBUS	5.33	1.77
tblVehicleEF	UBUS	4.51	3.48
tblVehicleEF	UBUS	5.70	4.88
tblVehicleEF	UBUS	2,438.80	2,139.09
tblVehicleEF	UBUS	11.11	9.91
tblVehicleEF	UBUS	3.7230e-003	3.5990e-003
tblVehicleEF	UBUS	17.24	13.62
tblVehicleEF	UBUS	0.68	0.63
tblVehicleEF	UBUS	0.28	0.23
tblVehicleEF	UBUS	3.5200e-004	2.1800e-004
tblVehicleEF	UBUS	0.26	0.21
tblVehicleEF	UBUS	3.0900e-004	2.0200e-004
tblVehicleEF	UBUS	1.8460e-003	1.6400e-003
tblVehicleEF	UBUS	0.05	0.04
tblVehicleEF	UBUS	8.9800e-004	7.8000e-004
tblVehicleEF	UBUS	0.73	0.60
tblVehicleEF	UBUS	0.32	0.39
tblVehicleEF	UBUS	0.42	0.37
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.1500e-004	1.9800e-004
tblVehicleEF	UBUS	1.8460e-003	1.6400e-003
tblVehicleEF	UBUS	0.05	0.04
tblVehicleEF	UBUS	8.9800e-004	7.8000e-004
tblVehicleEF	UBUS	0.83	0.68

tblVehicleEF	UBUS	0.32	0.39
tblVehicleEF	UBUS	0.45	0.39
tblVehicleEF	UBUS	4.53	3.53
tblVehicleEF	UBUS	4.24	3.59
tblVehicleEF	UBUS	2,438.80	2,139.09
tblVehicleEF	UBUS	11.11	9.91
tblVehicleEF	UBUS	3.7230e-003	3.5990e-003
tblVehicleEF	UBUS	16.53	13.06
tblVehicleEF	UBUS	0.63	0.58
tblVehicleEF	UBUS	0.28	0.23
tblVehicleEF	UBUS	3.5200e-004	2.1800e-004
tblVehicleEF	UBUS	0.26	0.21
tblVehicleEF	UBUS	3.0900e-004	2.0200e-004
tblVehicleEF	UBUS	4.8710e-003	4.1930e-003
tblVehicleEF	UBUS	0.05	0.04
tblVehicleEF	UBUS	2.1230e-003	1.6980e-003
tblVehicleEF	UBUS	0.74	0.61
tblVehicleEF	UBUS	0.30	0.36
tblVehicleEF	UBUS	0.35	0.31
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.9000e-004	1.7600e-004
tblVehicleEF	UBUS	4.8710e-003	4.1930e-003
tblVehicleEF	UBUS	0.05	0.04
tblVehicleEF	UBUS	2.1230e-003	1.6980e-003
tblVehicleEF	UBUS	0.83	0.69
tblVehicleEF	UBUS	0.30	0.36
tblVehicleEF	UBUS	0.37	0.33
tblVehicleEF	UBUS	4.51	3.45



tblVehicleEF	UBUS	6.97	6.00
tblVehicleEF	UBUS	2,438.80	2,139.09
tblVehicleEF	UBUS	11.11	9.91
tblVehicleEF	UBUS	3.7230e-003	3.5990e-003
tblVehicleEF	UBUS	17.52	13.85
tblVehicleEF	UBUS	0.72	0.67
tblVehicleEF	UBUS	0.28	0.23
tblVehicleEF	UBUS	3.5200e-004	2.1800e-004
tblVehicleEF	UBUS	0.26	0.21
tblVehicleEF	UBUS	3.0900e-004	2.0200e-004
tblVehicleEF	UBUS	6.4000e-004	5.9400e-004
tblVehicleEF	UBUS	0.06	0.05
tblVehicleEF	UBUS	3.8000e-004	3.5600e-004
tblVehicleEF	UBUS	0.73	0.60
tblVehicleEF	UBUS	0.39	0.48
tblVehicleEF	UBUS	0.48	0.42
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.3700e-004	2.1700e-004
tblVehicleEF	UBUS	6.4000e-004	5.9400e-004
tblVehicleEF	UBUS	0.06	0.05
tblVehicleEF	UBUS	3.8000e-004	3.5600e-004
tblVehicleEF	UBUS	0.82	0.67
tblVehicleEF	UBUS	0.39	0.48
tblVehicleEF	UBUS	0.51	0.45
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	158.37	0.00



tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	0.00	21,521,090.64
tblWater	IndoorWaterUseRate	37,268,102.66	29,583,110.32
tblWater	IndoorWaterUseRate	828,004.02	650,195.37
tblWater	IndoorWaterUseRate	1,821,202.27	943,264.41
tblWater	IndoorWaterUseRate	23,650,911.30	18,773,896.93
tblWater	IndoorWaterUseRate	8,135,702.18	4,083,442.33
tblWater	OutdoorWaterUseRate	44,203,958.07	0.00
tblWater	OutdoorWaterUseRate	23,495,108.20	0.00
tblWater	OutdoorWaterUseRate	507,486.33	0.00
tblWater	OutdoorWaterUseRate	116,246.95	0.00
tblWater	OutdoorWaterUseRate	14,910,357.12	0.00
tblWater	OutdoorWaterUseRate	251,619.66	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

## 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					
2017	0.5569	5.8326	4.6703	5.3900e-003	1.1025	0.2953	1.3978	0.6008	0.2741	0.8749	0.0000	491.3297	491.3297	0.1347	0.0000	494.1586
2018	0.6680	7.3630	5.4493	7.6500e-003	2.4515	0.3513	2.8028	1.1595	0.3232	1.4827	0.0000	693.1569	693.1569	0.2107	0.0000	697.5820
2019	1.2301	8.3509	14.1467	0.0302	2.8372	0.2926	3.1298	0.9605	0.2713	1.2318	0.0000	2,362.746 1	2,362.746 1	0.1945	0.0000	2,366.830 5
2020	1.5188	8.1443	19.3378	0.0461	2.5561	0.2371	2.7932	0.6902	0.2212	0.9114	0.0000	3,430.198 9	3,430.198 9	0.1635	0.0000	3,433.632 1
2021	1.4281	6.9740	18.4516	0.0458	2.5464	0.2079	2.7543	0.6876	0.1939	0.8815	0.0000	3,386.840 3	3,386.840 3	0.1580	0.0000	3,390.159 2
2022	1.3400	6.2046	17.4525	0.0456	2.5367	0.1866	2.7233	0.6850	0.1740	0.8590	0.0000	3,346.900 3	3,346.900 3	0.1537	0.0000	3,350.128 5
2023	1.2546	5.4563	16.6289	0.0456	2.5368	0.1707	2.7075	0.6850	0.1590	0.8441	0.0000	3,319.374 2	3,319.374 2	0.1493	0.0000	3,322.509 5
2024	1.2016	5.3074	16.0594	0.0459	2.5564	0.1610	2.7175	0.6904	0.1499	0.8403	0.0000	3,324.211 7	3,324.211 7	0.1474	0.0000	3,327.307 9
2025	1.1497	5.1041	15.4989	0.0458	2.5468	0.1496	2.6964	0.6878	0.1392	0.8269	0.0000	3,293.469 5	3,293.469 5	0.1443	0.0000	3,296.500 5
2026	1.1188	5.0223	15.1421	0.0458	2.5469	0.1484	2.6953	0.6878	0.1381	0.8259	0.0000	3,277.351 3	3,277.351 3	0.1423	0.0000	3,280.339 0
2027	1.0965	4.9772	14.8475	0.0458	2.5469	0.1486	2.6955	0.6878	0.1383	0.8261	0.0000	3,263.474 6	3,263.474 6	0.1406	0.0000	3,266.427 1
2028	1.0731	4.9148	14.5246	0.0456	2.5372	0.1480	2.6852	0.6852	0.1377	0.8229	0.0000	3,238.927 6	3,238.927 6	0.1385	0.0000	3,241.836 0
2029	1.0532	4.8962	14.2647	0.0457	2.5471	0.1486	2.6957	0.6879	0.1383	0.8262	0.0000	3,240.911 2	3,240.911 2	0.1375	0.0000	3,243.799 2
2030	1.0217	4.2747	14.0055	0.0463	2.5471	0.0994	2.6466	0.6879	0.0932	0.7811	0.0000	3,272.043 6	3,272.043 6	0.0791	0.0000	3,273.704 6
2031	0.4555	1.9106	5.5767	0.0165	0.7737	0.0594	0.8331	0.2089	0.0575	0.2664	0.0000	1,199.915 3	1,199.915 3	0.0337	0.0000	1,200.622 3
2032	23.2734	0.3033	1.2782	5.0200e-003	0.3510	0.0109	0.3618	0.0934	0.0107	0.1040	0.0000	312.4222	312.4222	0.0120	0.0000	312.6745
<b>Total</b>	<b>39.4400</b>	<b>85.0363</b>	<b>207.3346</b>	<b>0.5686</b>	<b>35.5202</b>	<b>2.8156</b>	<b>38.3358</b>	<b>10.5855</b>	<b>2.6196</b>	<b>13.2051</b>	<b>0.0000</b>	<b>41,453.27 33</b>	<b>41,453.27 33</b>	<b>2.1399</b>	<b>0.0000</b>	<b>41,498.21 12</b>

## 2.1 Overall Construction

**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					
2017	0.5569	5.8326	4.6703	5.3900e-003	1.1025	0.2953	1.3978	0.6008	0.2741	0.8749	0.0000	491.3292	491.3292	0.1347	0.0000	494.1580
2018	0.6680	7.3630	5.4493	7.6500e-003	2.4515	0.3513	2.8028	1.1595	0.3232	1.4827	0.0000	693.1561	693.1561	0.2107	0.0000	697.5812
2019	1.2301	8.3509	14.1467	0.0302	2.8372	0.2926	3.1298	0.9605	0.2713	1.2318	0.0000	2,362.7455	2,362.7455	0.1945	0.0000	2,366.8300
2020	1.5188	8.1443	19.3378	0.0461	2.5561	0.2371	2.7932	0.6902	0.2212	0.9114	0.0000	3,430.1985	3,430.1985	0.1635	0.0000	3,433.6317
2021	1.4281	6.9740	18.4516	0.0458	2.5464	0.2079	2.7543	0.6876	0.1939	0.8815	0.0000	3,386.8400	3,386.8400	0.1580	0.0000	3,390.1589
2022	1.3400	6.2046	17.4525	0.0456	2.5367	0.1866	2.7233	0.6850	0.1740	0.8590	0.0000	3,346.8999	3,346.8999	0.1537	0.0000	3,350.1281
2023	1.2546	5.4563	16.6289	0.0456	2.5368	0.1707	2.7075	0.6850	0.1590	0.8441	0.0000	3,319.3738	3,319.3738	0.1493	0.0000	3,322.5091
2024	1.2016	5.3074	16.0594	0.0459	2.5564	0.1610	2.7175	0.6904	0.1499	0.8403	0.0000	3,324.2113	3,324.2113	0.1474	0.0000	3,327.3075
2025	1.1497	5.1041	15.4989	0.0458	2.5468	0.1496	2.6964	0.6878	0.1392	0.8269	0.0000	3,293.4691	3,293.4691	0.1443	0.0000	3,296.5001
2026	1.1188	5.0223	15.1421	0.0458	2.5469	0.1484	2.6953	0.6878	0.1381	0.8259	0.0000	3,277.3510	3,277.3510	0.1423	0.0000	3,280.3386
2027	1.0965	4.9772	14.8475	0.0458	2.5469	0.1486	2.6955	0.6878	0.1383	0.8261	0.0000	3,263.4743	3,263.4743	0.1406	0.0000	3,266.4268
2028	1.0731	4.9148	14.5246	0.0456	2.5372	0.1480	2.6852	0.6852	0.1377	0.8229	0.0000	3,238.9272	3,238.9272	0.1385	0.0000	3,241.8356
2029	1.0532	4.8962	14.2647	0.0457	2.5471	0.1486	2.6957	0.6879	0.1383	0.8262	0.0000	3,240.9108	3,240.9108	0.1375	0.0000	3,243.7988
2030	1.0217	4.2747	14.0055	0.0463	2.5471	0.0994	2.6466	0.6879	0.0932	0.7811	0.0000	3,272.0432	3,272.0432	0.0791	0.0000	3,273.7042
2031	0.4555	1.9106	5.5767	0.0165	0.7737	0.0594	0.8331	0.2089	0.0575	0.2664	0.0000	1,199.9149	1,199.9149	0.0337	0.0000	1,200.6219
2032	23.2734	0.3033	1.2782	5.0200e-003	0.3510	0.0109	0.3618	0.0934	0.0107	0.1040	0.0000	312.4221	312.4221	0.0120	0.0000	312.6744
<b>Total</b>	<b>39.4400</b>	<b>85.0363</b>	<b>207.3346</b>	<b>0.5686</b>	<b>35.5202</b>	<b>2.8156</b>	<b>38.3358</b>	<b>10.5855</b>	<b>2.6196</b>	<b>13.2051</b>	<b>0.0000</b>	<b>41,453.2670</b>	<b>41,453.2670</b>	<b>2.1399</b>	<b>0.0000</b>	<b>41,498.2048</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

## 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	7.8272	0.0999	8.1652	4.3600e-003		0.2411	0.2411		0.2411	0.2411	26.7203	55.9063	82.6266	0.1367	8.2000e-004	85.7496
Energy	0.1523	1.3129	0.6361	8.3100e-003		0.1053	0.1053		0.1053	0.1053	0.0000	2,539.0617	2,539.0617	0.1321	0.0490	2,557.0185
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	27.3693	0.0000	27.3693	1.6175	0.0000	61.3363
Water						0.0000	0.0000		0.0000	0.0000	26.7315	53.7780	80.5095	0.0974	0.0592	100.9205
<b>Total</b>	<b>7.9795</b>	<b>1.4129</b>	<b>8.8013</b>	<b>0.0127</b>	<b>0.0000</b>	<b>0.3464</b>	<b>0.3464</b>	<b>0.0000</b>	<b>0.3464</b>	<b>0.3464</b>	<b>80.8210</b>	<b>2,648.7460</b>	<b>2,729.5670</b>	<b>1.9836</b>	<b>0.1090</b>	<b>2,805.0249</b>

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.8272	0.0999	8.1652	4.3600e-003		0.2411	0.2411		0.2411	0.2411	26.7203	55.9063	82.6266	0.1367	8.2000e-004	85.7496
Energy	0.1523	1.3129	0.6361	8.3100e-003		0.1053	0.1053		0.1053	0.1053	0.0000	2,539.0617	2,539.0617	0.1321	0.0490	2,557.0185
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	27.3693	0.0000	27.3693	1.6175	0.0000	61.3363
Water						0.0000	0.0000		0.0000	0.0000	26.7315	53.7780	80.5095	0.0969	0.0591	100.8778
<b>Total</b>	<b>7.9795</b>	<b>1.4129</b>	<b>8.8013</b>	<b>0.0127</b>	<b>0.0000</b>	<b>0.3464</b>	<b>0.3464</b>	<b>0.0000</b>	<b>0.3464</b>	<b>0.3464</b>	<b>80.8210</b>	<b>2,648.7460</b>	<b>2,729.5670</b>	<b>1.9831</b>	<b>0.1089</b>	<b>2,804.9822</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>0.00</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>	<b>0.00</b>	<b>0.00</b>	<b>0.03</b>	<b>0.09</b>	<b>0.00</b>



### 2.3 Vegetation

#### Vegetation

	CO2e
Category	MT
New Trees	667.9400
Vegetation Land Change	-215.5000
<b>Total</b>	<b>452.4400</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	1/1/2017	10/6/2017	5	200	
2	Site Preparation	Site Preparation	10/7/2017	3/23/2018	5	120	
3	Grading	Grading	3/24/2018	5/31/2019	5	310	
4	Building Construction	Building Construction	6/1/2019	4/18/2031	5	3100	
5	Paving	Paving	4/19/2031	2/20/2032	5	220	
6	Architectural Coating	Architectural Coating	2/21/2032	12/24/2032	5	220	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 775**

**Acres of Paving: 0**

**Residential Indoor: 2,481,435; Residential Outdoor: 827,145; Non-Residential Indoor: 4,184,004; Non-Residential Outdoor: 1,394,668  
(Architectural Coating – sqft)**

### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,743.00	571.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	349.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Demolition - 2017

#### 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	0.4048	4.2697	3.3893	3.9900e-003		0.2125	0.2125		0.1980	0.1980	0.0000	366.1822	366.1822	0.1005	0.0000	368.2917
<b>Total</b>	<b>0.4048</b>	<b>4.2697</b>	<b>3.3893</b>	<b>3.9900e-003</b>		<b>0.2125</b>	<b>0.2125</b>		<b>0.1980</b>	<b>0.1980</b>	<b>0.0000</b>	<b>366.1822</b>	<b>366.1822</b>	<b>0.1005</b>	<b>0.0000</b>	<b>368.2917</b>

### 3.2 Demolition - 2017

#### 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	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	0.0000
Worker	5.0800e-003	7.6000e-003	0.0728	1.6000e-004	0.0136	1.1000e-004	0.0137	3.6200e-003	1.0000e-004	3.7200e-003	0.0000	11.9128	11.9128	6.4000e-004	0.0000	11.9263	11.9263
<b>Total</b>	<b>5.0800e-003</b>	<b>7.6000e-003</b>	<b>0.0728</b>	<b>1.6000e-004</b>	<b>0.0136</b>	<b>1.1000e-004</b>	<b>0.0137</b>	<b>3.6200e-003</b>	<b>1.0000e-004</b>	<b>3.7200e-003</b>	<b>0.0000</b>	<b>11.9128</b>	<b>11.9128</b>	<b>6.4000e-004</b>	<b>0.0000</b>	<b>11.9263</b>	<b>11.9263</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	0.4048	4.2697	3.3893	3.9900e-003		0.2125	0.2125		0.1980	0.1980	0.0000	366.1817	366.1817	0.1005	0.0000	368.2913
<b>Total</b>	<b>0.4048</b>	<b>4.2697</b>	<b>3.3893</b>	<b>3.9900e-003</b>		<b>0.2125</b>	<b>0.2125</b>		<b>0.1980</b>	<b>0.1980</b>	<b>0.0000</b>	<b>366.1817</b>	<b>366.1817</b>	<b>0.1005</b>	<b>0.0000</b>	<b>368.2913</b>

### 3.2 Demolition - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0800e-003	7.6000e-003	0.0728	1.6000e-004	0.0136	1.1000e-004	0.0137	3.6200e-003	1.0000e-004	3.7200e-003	0.0000	11.9128	11.9128	6.4000e-004	0.0000	11.9263
<b>Total</b>	<b>5.0800e-003</b>	<b>7.6000e-003</b>	<b>0.0728</b>	<b>1.6000e-004</b>	<b>0.0136</b>	<b>1.1000e-004</b>	<b>0.0137</b>	<b>3.6200e-003</b>	<b>1.0000e-004</b>	<b>3.7200e-003</b>	<b>0.0000</b>	<b>11.9128</b>	<b>11.9128</b>	<b>6.4000e-004</b>	<b>0.0000</b>	<b>11.9263</b>

### 3.3 Site Preparation - 2017

#### 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					1.0840	0.0000	1.0840	0.5958	0.0000	0.5958	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1452	1.5526	1.1819	1.1700e-003		0.0826	0.0826		0.0760	0.0760	0.0000	108.9462	108.9462	0.0334	0.0000	109.6472
<b>Total</b>	<b>0.1452</b>	<b>1.5526</b>	<b>1.1819</b>	<b>1.1700e-003</b>	<b>1.0840</b>	<b>0.0826</b>	<b>1.1666</b>	<b>0.5958</b>	<b>0.0760</b>	<b>0.6719</b>	<b>0.0000</b>	<b>108.9462</b>	<b>108.9462</b>	<b>0.0334</b>	<b>0.0000</b>	<b>109.6472</b>

### 3.3 Site Preparation - 2017

#### 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	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	0.0000
Worker	1.8300e-003	2.7300e-003	0.0262	6.0000e-005	4.9000e-003	4.0000e-005	4.9400e-003	1.3000e-003	4.0000e-005	1.3400e-003	0.0000	4.2886	4.2886	2.3000e-004	0.0000	4.2935	
<b>Total</b>	<b>1.8300e-003</b>	<b>2.7300e-003</b>	<b>0.0262</b>	<b>6.0000e-005</b>	<b>4.9000e-003</b>	<b>4.0000e-005</b>	<b>4.9400e-003</b>	<b>1.3000e-003</b>	<b>4.0000e-005</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>4.2886</b>	<b>4.2886</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>4.2935</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					1.0840	0.0000	1.0840	0.5958	0.0000	0.5958	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1452	1.5526	1.1819	1.1700e-003		0.0826	0.0826		0.0760	0.0760	0.0000	108.9460	108.9460	0.0334	0.0000	109.6470
<b>Total</b>	<b>0.1452</b>	<b>1.5526</b>	<b>1.1819</b>	<b>1.1700e-003</b>	<b>1.0840</b>	<b>0.0826</b>	<b>1.1666</b>	<b>0.5958</b>	<b>0.0760</b>	<b>0.6719</b>	<b>0.0000</b>	<b>108.9460</b>	<b>108.9460</b>	<b>0.0334</b>	<b>0.0000</b>	<b>109.6470</b>

### 3.3 Site Preparation - 2017

#### 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	1.8300e-003	2.7300e-003	0.0262	6.0000e-005	4.9000e-003	4.0000e-005	4.9400e-003	1.3000e-003	4.0000e-005	1.3400e-003	0.0000	4.2886	4.2886	2.3000e-004	0.0000	4.2935
<b>Total</b>	<b>1.8300e-003</b>	<b>2.7300e-003</b>	<b>0.0262</b>	<b>6.0000e-005</b>	<b>4.9000e-003</b>	<b>4.0000e-005</b>	<b>4.9400e-003</b>	<b>1.3000e-003</b>	<b>4.0000e-005</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>4.2886</b>	<b>4.2886</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>4.2935</b>

### 3.3 Site Preparation - 2018

#### 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					1.0840	0.0000	1.0840	0.5958	0.0000	0.5958	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1288	1.3683	1.0870	1.1700e-003		0.0710	0.0710		0.0653	0.0653	0.0000	107.2231	107.2231	0.0334	0.0000	107.9240
<b>Total</b>	<b>0.1288</b>	<b>1.3683</b>	<b>1.0870</b>	<b>1.1700e-003</b>	<b>1.0840</b>	<b>0.0710</b>	<b>1.1549</b>	<b>0.5958</b>	<b>0.0653</b>	<b>0.6611</b>	<b>0.0000</b>	<b>107.2231</b>	<b>107.2231</b>	<b>0.0334</b>	<b>0.0000</b>	<b>107.9240</b>

### 3.3 Site Preparation - 2018

#### 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	1.6200e-003	2.4600e-003	0.0234	6.0000e-005	4.9000e-003	4.0000e-005	4.9400e-003	1.3000e-003	4.0000e-005	1.3400e-003	0.0000	4.1293	4.1293	2.1000e-004	0.0000	4.1338
<b>Total</b>	<b>1.6200e-003</b>	<b>2.4600e-003</b>	<b>0.0234</b>	<b>6.0000e-005</b>	<b>4.9000e-003</b>	<b>4.0000e-005</b>	<b>4.9400e-003</b>	<b>1.3000e-003</b>	<b>4.0000e-005</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>4.1293</b>	<b>4.1293</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.1338</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					1.0840	0.0000	1.0840	0.5958	0.0000	0.5958	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1288	1.3683	1.0870	1.1700e-003		0.0710	0.0710		0.0653	0.0653	0.0000	107.2229	107.2229	0.0334	0.0000	107.9239
<b>Total</b>	<b>0.1288</b>	<b>1.3683</b>	<b>1.0870</b>	<b>1.1700e-003</b>	<b>1.0840</b>	<b>0.0710</b>	<b>1.1549</b>	<b>0.5958</b>	<b>0.0653</b>	<b>0.6611</b>	<b>0.0000</b>	<b>107.2229</b>	<b>107.2229</b>	<b>0.0334</b>	<b>0.0000</b>	<b>107.9239</b>



### 3.3 Site Preparation - 2018

#### 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	1.6200e-003	2.4600e-003	0.0234	6.0000e-005	4.9000e-003	4.0000e-005	4.9400e-003	1.3000e-003	4.0000e-005	1.3400e-003	0.0000	4.1293	4.1293	2.1000e-004	0.0000	4.1338
<b>Total</b>	<b>1.6200e-003</b>	<b>2.4600e-003</b>	<b>0.0234</b>	<b>6.0000e-005</b>	<b>4.9000e-003</b>	<b>4.0000e-005</b>	<b>4.9400e-003</b>	<b>1.3000e-003</b>	<b>4.0000e-005</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>4.1293</b>	<b>4.1293</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.1338</b>

### 3.4 Grading - 2018

#### 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					1.3444	0.0000	1.3444	0.5575	0.0000	0.5575	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5316	5.9832	4.2518	6.2000e-003		0.2802	0.2802		0.2578	0.2578	0.0000	566.4342	566.4342	0.1763	0.0000	570.1373
<b>Total</b>	<b>0.5316</b>	<b>5.9832</b>	<b>4.2518</b>	<b>6.2000e-003</b>	<b>1.3444</b>	<b>0.2802</b>	<b>1.6246</b>	<b>0.5575</b>	<b>0.2578</b>	<b>0.8152</b>	<b>0.0000</b>	<b>566.4342</b>	<b>566.4342</b>	<b>0.1763</b>	<b>0.0000</b>	<b>570.1373</b>

### 3.4 Grading - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0400e-003	9.1500e-003	0.0870	2.2000e-004	0.0182	1.4000e-004	0.0184	4.8500e-003	1.3000e-004	4.9900e-003	0.0000	15.3703	15.3703	7.9000e-004	0.0000	15.3868
<b>Total</b>	<b>6.0400e-003</b>	<b>9.1500e-003</b>	<b>0.0870</b>	<b>2.2000e-004</b>	<b>0.0182</b>	<b>1.4000e-004</b>	<b>0.0184</b>	<b>4.8500e-003</b>	<b>1.3000e-004</b>	<b>4.9900e-003</b>	<b>0.0000</b>	<b>15.3703</b>	<b>15.3703</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>15.3868</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					1.3444	0.0000	1.3444	0.5575	0.0000	0.5575	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5316	5.9831	4.2518	6.2000e-003		0.2802	0.2802		0.2578	0.2578	0.0000	566.4335	566.4335	0.1763	0.0000	570.1366
<b>Total</b>	<b>0.5316</b>	<b>5.9831</b>	<b>4.2518</b>	<b>6.2000e-003</b>	<b>1.3444</b>	<b>0.2802</b>	<b>1.6246</b>	<b>0.5575</b>	<b>0.2578</b>	<b>0.8152</b>	<b>0.0000</b>	<b>566.4335</b>	<b>566.4335</b>	<b>0.1763</b>	<b>0.0000</b>	<b>570.1366</b>

### 3.4 Grading - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0400e-003	9.1500e-003	0.0870	2.2000e-004	0.0182	1.4000e-004	0.0184	4.8500e-003	1.3000e-004	4.9900e-003	0.0000	15.3703	15.3703	7.9000e-004	0.0000	15.3868
<b>Total</b>	<b>6.0400e-003</b>	<b>9.1500e-003</b>	<b>0.0870</b>	<b>2.2000e-004</b>	<b>0.0182</b>	<b>1.4000e-004</b>	<b>0.0184</b>	<b>4.8500e-003</b>	<b>1.3000e-004</b>	<b>4.9900e-003</b>	<b>0.0000</b>	<b>15.3703</b>	<b>15.3703</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>15.3868</b>

### 3.4 Grading - 2019

#### 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					1.3444	0.0000	1.3444	0.5575	0.0000	0.5575	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2666	2.9538	2.1957	3.3600e-003		0.1365	0.1365		0.1256	0.1256	0.0000	302.1529	302.1529	0.0956	0.0000	304.1604
<b>Total</b>	<b>0.2666</b>	<b>2.9538</b>	<b>2.1957</b>	<b>3.3600e-003</b>	<b>1.3444</b>	<b>0.1365</b>	<b>1.4809</b>	<b>0.5575</b>	<b>0.1256</b>	<b>0.6831</b>	<b>0.0000</b>	<b>302.1529</b>	<b>302.1529</b>	<b>0.0956</b>	<b>0.0000</b>	<b>304.1604</b>

### 3.4 Grading - 2019

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	4.5200e-003	0.0428	1.2000e-004	9.8900e-003	8.0000e-005	9.9700e-003	2.6300e-003	7.0000e-005	2.7000e-003	0.0000	8.0359	8.0359	4.0000e-004	0.0000	8.0443
<b>Total</b>	<b>2.9800e-003</b>	<b>4.5200e-003</b>	<b>0.0428</b>	<b>1.2000e-004</b>	<b>9.8900e-003</b>	<b>8.0000e-005</b>	<b>9.9700e-003</b>	<b>2.6300e-003</b>	<b>7.0000e-005</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>8.0359</b>	<b>8.0359</b>	<b>4.0000e-004</b>	<b>0.0000</b>	<b>8.0443</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					1.3444	0.0000	1.3444	0.5575	0.0000	0.5575	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2666	2.9538	2.1957	3.3600e-003		0.1365	0.1365		0.1256	0.1256	0.0000	302.1525	302.1525	0.0956	0.0000	304.1601
<b>Total</b>	<b>0.2666</b>	<b>2.9538</b>	<b>2.1957</b>	<b>3.3600e-003</b>	<b>1.3444</b>	<b>0.1365</b>	<b>1.4809</b>	<b>0.5575</b>	<b>0.1256</b>	<b>0.6831</b>	<b>0.0000</b>	<b>302.1525</b>	<b>302.1525</b>	<b>0.0956</b>	<b>0.0000</b>	<b>304.1601</b>

### 3.4 Grading - 2019

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9800e-003	4.5200e-003	0.0428	1.2000e-004	9.8900e-003	8.0000e-005	9.9700e-003	2.6300e-003	7.0000e-005	2.7000e-003	0.0000	8.0359	8.0359	4.0000e-004	0.0000	8.0443
<b>Total</b>	<b>2.9800e-003</b>	<b>4.5200e-003</b>	<b>0.0428</b>	<b>1.2000e-004</b>	<b>9.8900e-003</b>	<b>8.0000e-005</b>	<b>9.9700e-003</b>	<b>2.6300e-003</b>	<b>7.0000e-005</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>8.0359</b>	<b>8.0359</b>	<b>4.0000e-004</b>	<b>0.0000</b>	<b>8.0443</b>

### 3.5 Building Construction - 2019

#### 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	0.1787	1.5933	1.3012	2.0400e-003		0.0977	0.0977		0.0918	0.0918	0.0000	177.9333	177.9333	0.0433	0.0000	178.8424
<b>Total</b>	<b>0.1787</b>	<b>1.5933</b>	<b>1.3012</b>	<b>2.0400e-003</b>		<b>0.0977</b>	<b>0.0977</b>		<b>0.0918</b>	<b>0.0918</b>	<b>0.0000</b>	<b>177.9333</b>	<b>177.9333</b>	<b>0.0433</b>	<b>0.0000</b>	<b>178.8424</b>

### 3.5 Building Construction - 2019

#### 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	0.4197	3.2500	5.4017	0.0104	0.2806	0.0492	0.3297	0.0806	0.0452	0.1258	0.0000	898.0169	898.0169	6.9600e-003	0.0000	898.1630
Worker	0.3621	0.5493	5.2052	0.0143	1.2024	9.2100e-003	1.2116	0.3198	8.5300e-003	0.3284	0.0000	976.6071	976.6071	0.0483	0.0000	977.6204
<b>Total</b>	<b>0.7818</b>	<b>3.7993</b>	<b>10.6069</b>	<b>0.0247</b>	<b>1.4829</b>	<b>0.0584</b>	<b>1.5413</b>	<b>0.4004</b>	<b>0.0538</b>	<b>0.4542</b>	<b>0.0000</b>	<b>1,874.6240</b>	<b>1,874.6240</b>	<b>0.0552</b>	<b>0.0000</b>	<b>1,875.7834</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	0.1787	1.5933	1.3011	2.0400e-003		0.0977	0.0977		0.0918	0.0918	0.0000	177.9331	177.9331	0.0433	0.0000	178.8422
<b>Total</b>	<b>0.1787</b>	<b>1.5933</b>	<b>1.3011</b>	<b>2.0400e-003</b>		<b>0.0977</b>	<b>0.0977</b>		<b>0.0918</b>	<b>0.0918</b>	<b>0.0000</b>	<b>177.9331</b>	<b>177.9331</b>	<b>0.0433</b>	<b>0.0000</b>	<b>178.8422</b>

### 3.5 Building Construction - 2019

#### 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	0.4197	3.2500	5.4017	0.0104	0.2806	0.0492	0.3297	0.0806	0.0452	0.1258	0.0000	898.0169	898.0169	6.9600e-003	0.0000	898.1630
Worker	0.3621	0.5493	5.2052	0.0143	1.2024	9.2100e-003	1.2116	0.3198	8.5300e-003	0.3284	0.0000	976.6071	976.6071	0.0483	0.0000	977.6204
<b>Total</b>	<b>0.7818</b>	<b>3.7993</b>	<b>10.6069</b>	<b>0.0247</b>	<b>1.4829</b>	<b>0.0584</b>	<b>1.5413</b>	<b>0.4004</b>	<b>0.0538</b>	<b>0.4542</b>	<b>0.0000</b>	<b>1,874.6240</b>	<b>1,874.6240</b>	<b>0.0552</b>	<b>0.0000</b>	<b>1,875.7834</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1514	302.1514	0.0736	0.0000	303.6973
<b>Total</b>	<b>0.2766</b>	<b>2.5000</b>	<b>2.2019</b>	<b>3.5100e-003</b>		<b>0.1458</b>	<b>0.1458</b>		<b>0.1371</b>	<b>0.1371</b>	<b>0.0000</b>	<b>302.1514</b>	<b>302.1514</b>	<b>0.0736</b>	<b>0.0000</b>	<b>303.6973</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6616	4.7721	8.8613	0.0178	0.4836	0.0757	0.5593	0.1389	0.0696	0.2086	0.0000	1,512.190 2	1,512.190 2	0.0116	0.0000	1,512.434 3
Worker	0.5806	0.8722	8.2746	0.0247	2.0725	0.0157	2.0882	0.5513	0.0145	0.5658	0.0000	1,615.857 3	1,615.857 3	0.0783	0.0000	1,617.500 5
<b>Total</b>	<b>1.2422</b>	<b>5.6443</b>	<b>17.1359</b>	<b>0.0425</b>	<b>2.5561</b>	<b>0.0914</b>	<b>2.6474</b>	<b>0.6902</b>	<b>0.0842</b>	<b>0.7744</b>	<b>0.0000</b>	<b>3,128.047 5</b>	<b>3,128.047 5</b>	<b>0.0899</b>	<b>0.0000</b>	<b>3,129.934 8</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	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371	0.0000	302.1510	302.1510	0.0736	0.0000	303.6969
<b>Total</b>	<b>0.2766</b>	<b>2.5000</b>	<b>2.2019</b>	<b>3.5100e-003</b>		<b>0.1458</b>	<b>0.1458</b>		<b>0.1371</b>	<b>0.1371</b>	<b>0.0000</b>	<b>302.1510</b>	<b>302.1510</b>	<b>0.0736</b>	<b>0.0000</b>	<b>303.6969</b>



### 3.5 Building Construction - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6616	4.7721	8.8613	0.0178	0.4836	0.0757	0.5593	0.1389	0.0696	0.2086	0.0000	1,512.190 2	1,512.190 2	0.0116	0.0000	1,512.434 3
Worker	0.5806	0.8722	8.2746	0.0247	2.0725	0.0157	2.0882	0.5513	0.0145	0.5658	0.0000	1,615.857 3	1,615.857 3	0.0783	0.0000	1,617.500 5
<b>Total</b>	<b>1.2422</b>	<b>5.6443</b>	<b>17.1359</b>	<b>0.0425</b>	<b>2.5561</b>	<b>0.0914</b>	<b>2.6474</b>	<b>0.6902</b>	<b>0.0842</b>	<b>0.7744</b>	<b>0.0000</b>	<b>3,128.047 5</b>	<b>3,128.047 5</b>	<b>0.0899</b>	<b>0.0000</b>	<b>3,129.934 8</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
<b>Total</b>	<b>0.2471</b>	<b>2.2629</b>	<b>2.1582</b>	<b>3.5000e-003</b>		<b>0.1246</b>	<b>0.1246</b>		<b>0.1172</b>	<b>0.1172</b>	<b>0.0000</b>	<b>301.0339</b>	<b>301.0339</b>	<b>0.0725</b>	<b>0.0000</b>	<b>302.5568</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6356	3.9027	8.6010	0.0177	0.4818	0.0678	0.5496	0.1384	0.0623	0.2008	0.0000	1,504.313 2	1,504.313 2	0.0116	0.0000	1,504.555 8	
Worker	0.5455	0.8084	7.6925	0.0246	2.0646	0.0155	2.0801	0.5492	0.0144	0.5636	0.0000	1,581.493 3	1,581.493 3	0.0740	0.0000	1,583.046 6	
<b>Total</b>	<b>1.1811</b>	<b>4.7111</b>	<b>16.2934</b>	<b>0.0424</b>	<b>2.5464</b>	<b>0.0833</b>	<b>2.6297</b>	<b>0.6876</b>	<b>0.0767</b>	<b>0.7643</b>	<b>0.0000</b>	<b>3,085.806 5</b>	<b>3,085.806 5</b>	<b>0.0855</b>	<b>0.0000</b>	<b>3,087.602 4</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	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
<b>Total</b>	<b>0.2471</b>	<b>2.2629</b>	<b>2.1582</b>	<b>3.5000e-003</b>		<b>0.1246</b>	<b>0.1246</b>		<b>0.1172</b>	<b>0.1172</b>	<b>0.0000</b>	<b>301.0335</b>	<b>301.0335</b>	<b>0.0725</b>	<b>0.0000</b>	<b>302.5565</b>

### 3.5 Building Construction - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6356	3.9027	8.6010	0.0177	0.4818	0.0678	0.5496	0.1384	0.0623	0.2008	0.0000	1,504.313 2	1,504.313 2	0.0116	0.0000	1,504.555 8
Worker	0.5455	0.8084	7.6925	0.0246	2.0646	0.0155	2.0801	0.5492	0.0144	0.5636	0.0000	1,581.493 3	1,581.493 3	0.0740	0.0000	1,583.046 6
<b>Total</b>	<b>1.1811</b>	<b>4.7111</b>	<b>16.2934</b>	<b>0.0424</b>	<b>2.5464</b>	<b>0.0833</b>	<b>2.6297</b>	<b>0.6876</b>	<b>0.0767</b>	<b>0.7643</b>	<b>0.0000</b>	<b>3,085.806 5</b>	<b>3,085.806 5</b>	<b>0.0855</b>	<b>0.0000</b>	<b>3,087.602 4</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9946	299.9946	0.0718	0.0000	301.5017
<b>Total</b>	<b>0.2209</b>	<b>2.0197</b>	<b>2.1226</b>	<b>3.4900e-003</b>		<b>0.1047</b>	<b>0.1047</b>		<b>0.0986</b>	<b>0.0986</b>	<b>0.0000</b>	<b>299.9946</b>	<b>299.9946</b>	<b>0.0718</b>	<b>0.0000</b>	<b>301.5017</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6054	3.4325	8.1656	0.0176	0.4801	0.0665	0.5465	0.1379	0.0611	0.1991	0.0000	1,497.1768	1,497.1768	0.0118	0.0000	1,497.4236	
Worker	0.5137	0.7524	7.1644	0.0245	2.0567	0.0154	2.0721	0.5471	0.0143	0.5613	0.0000	1,549.7289	1,549.7289	0.0702	0.0000	1,551.2031	
<b>Total</b>	<b>1.1191</b>	<b>4.1848</b>	<b>15.3299</b>	<b>0.0422</b>	<b>2.5367</b>	<b>0.0819</b>	<b>2.6186</b>	<b>0.6850</b>	<b>0.0754</b>	<b>0.7604</b>	<b>0.0000</b>	<b>3,046.9057</b>	<b>3,046.9057</b>	<b>0.0820</b>	<b>0.0000</b>	<b>3,048.6268</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	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9943	299.9943	0.0718	0.0000	301.5013
<b>Total</b>	<b>0.2209</b>	<b>2.0197</b>	<b>2.1226</b>	<b>3.4900e-003</b>		<b>0.1047</b>	<b>0.1047</b>		<b>0.0986</b>	<b>0.0986</b>	<b>0.0000</b>	<b>299.9943</b>	<b>299.9943</b>	<b>0.0718</b>	<b>0.0000</b>	<b>301.5013</b>

### 3.5 Building Construction - 2022

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6054	3.4325	8.1656	0.0176	0.4801	0.0665	0.5465	0.1379	0.0611	0.1991	0.0000	1,497.1768	1,497.1768	0.0118	0.0000	1,497.4236
Worker	0.5137	0.7524	7.1644	0.0245	2.0567	0.0154	2.0721	0.5471	0.0143	0.5613	0.0000	1,549.7289	1,549.7289	0.0702	0.0000	1,551.2031
<b>Total</b>	<b>1.1191</b>	<b>4.1848</b>	<b>15.3299</b>	<b>0.0422</b>	<b>2.5367</b>	<b>0.0819</b>	<b>2.6186</b>	<b>0.6850</b>	<b>0.0754</b>	<b>0.7604</b>	<b>0.0000</b>	<b>3,046.9057</b>	<b>3,046.9057</b>	<b>0.0820</b>	<b>0.0000</b>	<b>3,048.6268</b>

### 3.5 Building Construction - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0980	300.0980	0.0713	0.0000	301.5949
<b>Total</b>	<b>0.2036</b>	<b>1.8606</b>	<b>2.1072</b>	<b>3.4900e-003</b>		<b>0.0906</b>	<b>0.0906</b>		<b>0.0852</b>	<b>0.0852</b>	<b>0.0000</b>	<b>300.0980</b>	<b>300.0980</b>	<b>0.0713</b>	<b>0.0000</b>	<b>301.5949</b>

### 3.5 Building Construction - 2023

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5647	2.8901	7.8103	0.0176	0.4802	0.0648	0.5449	0.1380	0.0596	0.1976	0.0000	1,492.8986	1,492.8986	0.0109	0.0000	1,493.1267
Worker	0.4863	0.7055	6.7114	0.0245	2.0567	0.0153	2.0720	0.5471	0.0142	0.5613	0.0000	1,526.3777	1,526.3777	0.0672	0.0000	1,527.7878
<b>Total</b>	<b>1.0510</b>	<b>3.5956</b>	<b>14.5217</b>	<b>0.0421</b>	<b>2.5368</b>	<b>0.0801</b>	<b>2.6169</b>	<b>0.6851</b>	<b>0.0738</b>	<b>0.7589</b>	<b>0.0000</b>	<b>3,019.2762</b>	<b>3,019.2762</b>	<b>0.0780</b>	<b>0.0000</b>	<b>3,020.9145</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	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0976	300.0976	0.0713	0.0000	301.5946
<b>Total</b>	<b>0.2036</b>	<b>1.8606</b>	<b>2.1072</b>	<b>3.4900e-003</b>		<b>0.0906</b>	<b>0.0906</b>		<b>0.0852</b>	<b>0.0852</b>	<b>0.0000</b>	<b>300.0976</b>	<b>300.0976</b>	<b>0.0713</b>	<b>0.0000</b>	<b>301.5946</b>

### 3.5 Building Construction - 2023

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5647	2.8901	7.8103	0.0176	0.4802	0.0648	0.5449	0.1380	0.0596	0.1976	0.0000	1,492.8986	1,492.8986	0.0109	0.0000	1,493.1267	
Worker	0.4863	0.7055	6.7114	0.0245	2.0567	0.0153	2.0720	0.5471	0.0142	0.5613	0.0000	1,526.3777	1,526.3777	0.0672	0.0000	1,527.7878	
<b>Total</b>	<b>1.0510</b>	<b>3.5956</b>	<b>14.5217</b>	<b>0.0421</b>	<b>2.5368</b>	<b>0.0801</b>	<b>2.6169</b>	<b>0.6851</b>	<b>0.0738</b>	<b>0.7589</b>	<b>0.0000</b>	<b>3,019.2762</b>	<b>3,019.2762</b>	<b>0.0780</b>	<b>0.0000</b>	<b>3,020.9145</b>	

### 3.5 Building Construction - 2024

#### 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	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4646	302.4646	0.0714	0.0000	303.9643
<b>Total</b>	<b>0.1920</b>	<b>1.7524</b>	<b>2.1135</b>	<b>3.5200e-003</b>		<b>0.0800</b>	<b>0.0800</b>		<b>0.0752</b>	<b>0.0752</b>	<b>0.0000</b>	<b>302.4646</b>	<b>302.4646</b>	<b>0.0714</b>	<b>0.0000</b>	<b>303.9643</b>

### 3.5 Building Construction - 2024

#### 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	0.0000
Vendor	0.5440	2.8846	7.5585	0.0177	0.4840	0.0656	0.5496	0.1391	0.0604	0.1994	0.0000	1,504.6809	1,504.6809	0.0110	0.0000	1,504.9117	
Worker	0.4657	0.6704	6.3875	0.0247	2.0725	0.0154	2.0879	0.5513	0.0143	0.5656	0.0000	1,517.0663	1,517.0663	0.0650	0.0000	1,518.4319	
<b>Total</b>	<b>1.0096</b>	<b>3.5550</b>	<b>13.9460</b>	<b>0.0424</b>	<b>2.5565</b>	<b>0.0810</b>	<b>2.6375</b>	<b>0.6904</b>	<b>0.0747</b>	<b>0.7650</b>	<b>0.0000</b>	<b>3,021.7471</b>	<b>3,021.7471</b>	<b>0.0760</b>	<b>0.0000</b>	<b>3,023.3436</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	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4642	302.4642	0.0714	0.0000	303.9639
<b>Total</b>	<b>0.1920</b>	<b>1.7524</b>	<b>2.1135</b>	<b>3.5200e-003</b>		<b>0.0800</b>	<b>0.0800</b>		<b>0.0752</b>	<b>0.0752</b>	<b>0.0000</b>	<b>302.4642</b>	<b>302.4642</b>	<b>0.0714</b>	<b>0.0000</b>	<b>303.9639</b>



### 3.5 Building Construction - 2024

#### 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	0.5440	2.8846	7.5585	0.0177	0.4840	0.0656	0.5496	0.1391	0.0604	0.1994	0.0000	1,504.6809	1,504.6809	0.0110	0.0000	1,504.9117
Worker	0.4657	0.6704	6.3875	0.0247	2.0725	0.0154	2.0879	0.5513	0.0143	0.5656	0.0000	1,517.0663	1,517.0663	0.0650	0.0000	1,518.4319
<b>Total</b>	<b>1.0096</b>	<b>3.5550</b>	<b>13.9460</b>	<b>0.0424</b>	<b>2.5565</b>	<b>0.0810</b>	<b>2.6375</b>	<b>0.6904</b>	<b>0.0747</b>	<b>0.7650</b>	<b>0.0000</b>	<b>3,021.7471</b>	<b>3,021.7471</b>	<b>0.0760</b>	<b>0.0000</b>	<b>3,023.3436</b>

### 3.5 Building Construction - 2025

#### 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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4019</b>	<b>301.4019</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8874</b>

### 3.5 Building Construction - 2025

#### 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	0.0000
Vendor	0.5280	2.8502	7.3433	0.0176	0.4822	0.0657	0.5479	0.1386	0.0604	0.1990	0.0000	1,499.2719	1,499.2719	0.0110	0.0000	1,499.5027	
Worker	0.4441	0.6344	6.0609	0.0246	2.0646	0.0154	2.0800	0.5492	0.0143	0.5635	0.0000	1,492.7957	1,492.7957	0.0626	0.0000	1,494.1104	
<b>Total</b>	<b>0.9720</b>	<b>3.4846</b>	<b>13.4042</b>	<b>0.0422</b>	<b>2.5468</b>	<b>0.0811</b>	<b>2.6279</b>	<b>0.6878</b>	<b>0.0747</b>	<b>0.7625</b>	<b>0.0000</b>	<b>2,992.0676</b>	<b>2,992.0676</b>	<b>0.0736</b>	<b>0.0000</b>	<b>2,993.6130</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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871	
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4015</b>	<b>301.4015</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8871</b>	

### 3.5 Building Construction - 2025

#### 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	0.5280	2.8502	7.3433	0.0176	0.4822	0.0657	0.5479	0.1386	0.0604	0.1990	0.0000	1,499.2719	1,499.2719	0.0110	0.0000	1,499.5027
Worker	0.4441	0.6344	6.0609	0.0246	2.0646	0.0154	2.0800	0.5492	0.0143	0.5635	0.0000	1,492.7957	1,492.7957	0.0626	0.0000	1,494.1104
<b>Total</b>	<b>0.9720</b>	<b>3.4846</b>	<b>13.4042</b>	<b>0.0422</b>	<b>2.5468</b>	<b>0.0811</b>	<b>2.6279</b>	<b>0.6878</b>	<b>0.0747</b>	<b>0.7625</b>	<b>0.0000</b>	<b>2,992.0676</b>	<b>2,992.0676</b>	<b>0.0736</b>	<b>0.0000</b>	<b>2,993.6130</b>

### 3.5 Building Construction - 2026

#### 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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4019</b>	<b>301.4019</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8874</b>

### 3.5 Building Construction - 2026

#### 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	0.0000
Vendor	0.5151	2.7974	7.2489	0.0176	0.4823	0.0644	0.5467	0.1386	0.0593	0.1979	0.0000	1,499.2900	1,499.2900	0.0108	0.0000	1,499.5175	
Worker	0.4261	0.6054	5.7985	0.0246	2.0646	0.0155	2.0801	0.5492	0.0144	0.5636	0.0000	1,476.6594	1,476.6594	0.0607	0.0000	1,477.9340	
<b>Total</b>	<b>0.9412</b>	<b>3.4028</b>	<b>13.0474</b>	<b>0.0422</b>	<b>2.5469</b>	<b>0.0799</b>	<b>2.6268</b>	<b>0.6878</b>	<b>0.0736</b>	<b>0.7614</b>	<b>0.0000</b>	<b>2,975.9494</b>	<b>2,975.9494</b>	<b>0.0715</b>	<b>0.0000</b>	<b>2,977.4516</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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4015</b>	<b>301.4015</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8871</b>

### 3.5 Building Construction - 2026

#### 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	0.5151	2.7974	7.2489	0.0176	0.4823	0.0644	0.5467	0.1386	0.0593	0.1979	0.0000	1,499.2900	1,499.2900	0.0108	0.0000	1,499.5175
Worker	0.4261	0.6054	5.7985	0.0246	2.0646	0.0155	2.0801	0.5492	0.0144	0.5636	0.0000	1,476.6594	1,476.6594	0.0607	0.0000	1,477.9340
<b>Total</b>	<b>0.9412</b>	<b>3.4028</b>	<b>13.0474</b>	<b>0.0422</b>	<b>2.5469</b>	<b>0.0799</b>	<b>2.6268</b>	<b>0.6878</b>	<b>0.0736</b>	<b>0.7614</b>	<b>0.0000</b>	<b>2,975.9494</b>	<b>2,975.9494</b>	<b>0.0715</b>	<b>0.0000</b>	<b>2,977.4516</b>

### 3.5 Building Construction - 2027

#### 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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4019</b>	<b>301.4019</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8874</b>

### 3.5 Building Construction - 2027

#### 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	0.0000
Vendor	0.5093	2.7781	7.1841	0.0176	0.4823	0.0645	0.5469	0.1387	0.0594	0.1980	0.0000	1,499.519 3	1,499.519 3	0.0109	0.0000	1,499.747 2	
Worker	0.4096	0.5797	5.5686	0.0246	2.0646	0.0156	2.0801	0.5492	0.0144	0.5636	0.0000	1,462.553 5	1,462.553 5	0.0590	0.0000	1,463.792 5	
<b>Total</b>	<b>0.9189</b>	<b>3.3578</b>	<b>12.7527</b>	<b>0.0422</b>	<b>2.5469</b>	<b>0.0801</b>	<b>2.6270</b>	<b>0.6878</b>	<b>0.0738</b>	<b>0.7616</b>	<b>0.0000</b>	<b>2,962.072 8</b>	<b>2,962.072 8</b>	<b>0.0699</b>	<b>0.0000</b>	<b>2,963.539 7</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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4015</b>	<b>301.4015</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8871</b>

### 3.5 Building Construction - 2027

#### 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	0.5093	2.7781	7.1841	0.0176	0.4823	0.0645	0.5469	0.1387	0.0594	0.1980	0.0000	1,499.5193	1,499.5193	0.0109	0.0000	1,499.7472
Worker	0.4096	0.5797	5.5686	0.0246	2.0646	0.0156	2.0801	0.5492	0.0144	0.5636	0.0000	1,462.5535	1,462.5535	0.0590	0.0000	1,463.7925
<b>Total</b>	<b>0.9189</b>	<b>3.3578</b>	<b>12.7527</b>	<b>0.0422</b>	<b>2.5469</b>	<b>0.0801</b>	<b>2.6270</b>	<b>0.6878</b>	<b>0.0738</b>	<b>0.7616</b>	<b>0.0000</b>	<b>2,962.0728</b>	<b>2,962.0728</b>	<b>0.0699</b>	<b>0.0000</b>	<b>2,963.5397</b>

### 3.5 Building Construction - 2028

#### 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	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2471	300.2471	0.0705	0.0000	301.7269
<b>Total</b>	<b>0.1770</b>	<b>1.6133</b>	<b>2.0867</b>	<b>3.4900e-003</b>		<b>0.0683</b>	<b>0.0683</b>		<b>0.0642</b>	<b>0.0642</b>	<b>0.0000</b>	<b>300.2471</b>	<b>300.2471</b>	<b>0.0705</b>	<b>0.0000</b>	<b>301.7269</b>

### 3.5 Building Construction - 2028

#### 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	0.5036	2.7479	7.0976	0.0176	0.4806	0.0642	0.5447	0.1381	0.0590	0.1972	0.0000	1,493.9497	1,493.9497	0.0108	0.0000	1,494.1764
Worker	0.3925	0.5536	5.3403	0.0245	2.0567	0.0156	2.0722	0.5471	0.0144	0.5615	0.0000	1,444.7308	1,444.7308	0.0572	0.0000	1,445.9326
<b>Total</b>	<b>0.8961</b>	<b>3.3015</b>	<b>12.4379</b>	<b>0.0421</b>	<b>2.5372</b>	<b>0.0797</b>	<b>2.6170</b>	<b>0.6852</b>	<b>0.0735</b>	<b>0.7587</b>	<b>0.0000</b>	<b>2,938.6805</b>	<b>2,938.6805</b>	<b>0.0680</b>	<b>0.0000</b>	<b>2,940.1090</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	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2467	300.2467	0.0705	0.0000	301.7266
<b>Total</b>	<b>0.1770</b>	<b>1.6133</b>	<b>2.0867</b>	<b>3.4900e-003</b>		<b>0.0683</b>	<b>0.0683</b>		<b>0.0642</b>	<b>0.0642</b>	<b>0.0000</b>	<b>300.2467</b>	<b>300.2467</b>	<b>0.0705</b>	<b>0.0000</b>	<b>301.7266</b>



### 3.5 Building Construction - 2028

#### 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	0.5036	2.7479	7.0976	0.0176	0.4806	0.0642	0.5447	0.1381	0.0590	0.1972	0.0000	1,493.9497	1,493.9497	0.0108	0.0000	1,494.1764
Worker	0.3925	0.5536	5.3403	0.0245	2.0567	0.0156	2.0722	0.5471	0.0144	0.5615	0.0000	1,444.7308	1,444.7308	0.0572	0.0000	1,445.9326
<b>Total</b>	<b>0.8961</b>	<b>3.3015</b>	<b>12.4379</b>	<b>0.0421</b>	<b>2.5372</b>	<b>0.0797</b>	<b>2.6170</b>	<b>0.6852</b>	<b>0.0735</b>	<b>0.7587</b>	<b>0.0000</b>	<b>2,938.6805</b>	<b>2,938.6805</b>	<b>0.0680</b>	<b>0.0000</b>	<b>2,940.1090</b>

### 3.5 Building Construction - 2029

#### 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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4019</b>	<b>301.4019</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8874</b>

### 3.5 Building Construction - 2029

#### 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	0.0000
Vendor	0.4969	2.7444	7.0118	0.0176	0.4825	0.0645	0.5469	0.1387	0.0593	0.1980	0.0000	1,499.8909	1,499.8909	0.0109	0.0000	1,500.1187	
Worker	0.3786	0.5324	5.1581	0.0246	2.0646	0.0157	2.0802	0.5492	0.0145	0.5637	0.0000	1,439.6184	1,439.6184	0.0559	0.0000	1,440.7930	
<b>Total</b>	<b>0.8755</b>	<b>3.2768</b>	<b>12.1699</b>	<b>0.0422</b>	<b>2.5471</b>	<b>0.0801</b>	<b>2.6272</b>	<b>0.6879</b>	<b>0.0738</b>	<b>0.7617</b>	<b>0.0000</b>	<b>2,939.5093</b>	<b>2,939.5093</b>	<b>0.0668</b>	<b>0.0000</b>	<b>2,940.9117</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	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
<b>Total</b>	<b>0.1777</b>	<b>1.6195</b>	<b>2.0948</b>	<b>3.5000e-003</b>		<b>0.0685</b>	<b>0.0685</b>		<b>0.0645</b>	<b>0.0645</b>	<b>0.0000</b>	<b>301.4015</b>	<b>301.4015</b>	<b>0.0707</b>	<b>0.0000</b>	<b>302.8871</b>

### 3.5 Building Construction - 2029

#### 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	0.0000
Vendor	0.4969	2.7444	7.0118	0.0176	0.4825	0.0645	0.5469	0.1387	0.0593	0.1980	0.0000	1,499.8909	1,499.8909	0.0109	0.0000	1,500.1187	
Worker	0.3786	0.5324	5.1581	0.0246	2.0646	0.0157	2.0802	0.5492	0.0145	0.5637	0.0000	1,439.6184	1,439.6184	0.0559	0.0000	1,440.7930	
<b>Total</b>	<b>0.8755</b>	<b>3.2768</b>	<b>12.1699</b>	<b>0.0422</b>	<b>2.5471</b>	<b>0.0801</b>	<b>2.6272</b>	<b>0.6879</b>	<b>0.0738</b>	<b>0.7617</b>	<b>0.0000</b>	<b>2,939.5093</b>	<b>2,939.5093</b>	<b>0.0668</b>	<b>0.0000</b>	<b>2,940.9117</b>	

### 3.5 Building Construction - 2030

#### 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	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
<b>Total</b>	<b>0.1702</b>	<b>1.0333</b>	<b>2.1051</b>	<b>4.0200e-003</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>	<b>0.0000</b>	<b>341.5281</b>	<b>341.5281</b>	<b>0.0137</b>	<b>0.0000</b>	<b>341.8160</b>

### 3.5 Building Construction - 2030

#### 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	0.0000
Vendor	0.4875	2.7309	6.9194	0.0177	0.4825	0.0645	0.5470	0.1387	0.0594	0.1981	0.0000	1,500.0820	1,500.0820	0.0109	0.0000	1,500.3100	
Worker	0.3641	0.5106	4.9809	0.0246	2.0646	0.0157	2.0803	0.5492	0.0145	0.5637	0.0000	1,430.4335	1,430.4335	0.0545	0.0000	1,431.5786	
<b>Total</b>	<b>0.8515</b>	<b>3.2415</b>	<b>11.9003</b>	<b>0.0422</b>	<b>2.5471</b>	<b>0.0802</b>	<b>2.6273</b>	<b>0.6879</b>	<b>0.0739</b>	<b>0.7618</b>	<b>0.0000</b>	<b>2,930.5155</b>	<b>2,930.5155</b>	<b>0.0654</b>	<b>0.0000</b>	<b>2,931.8886</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	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
<b>Total</b>	<b>0.1702</b>	<b>1.0333</b>	<b>2.1051</b>	<b>4.0200e-003</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>	<b>0.0000</b>	<b>341.5277</b>	<b>341.5277</b>	<b>0.0137</b>	<b>0.0000</b>	<b>341.8156</b>

### 3.5 Building Construction - 2030

#### 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	0.4875	2.7309	6.9194	0.0177	0.4825	0.0645	0.5470	0.1387	0.0594	0.1981	0.0000	1,500.0820	1,500.0820	0.0109	0.0000	1,500.3100
Worker	0.3641	0.5106	4.9809	0.0246	2.0646	0.0157	2.0803	0.5492	0.0145	0.5637	0.0000	1,430.4335	1,430.4335	0.0545	0.0000	1,431.5786
<b>Total</b>	<b>0.8515</b>	<b>3.2415</b>	<b>11.9003</b>	<b>0.0422</b>	<b>2.5471</b>	<b>0.0802</b>	<b>2.6273</b>	<b>0.6879</b>	<b>0.0739</b>	<b>0.7618</b>	<b>0.0000</b>	<b>2,930.5155</b>	<b>2,930.5155</b>	<b>0.0654</b>	<b>0.0000</b>	<b>2,931.8886</b>

### 3.5 Building Construction - 2031

#### 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	0.0509	0.3088	0.6291	1.2000e-003		5.7600e-003	5.7600e-003		5.7600e-003	5.7600e-003	0.0000	102.0659	102.0659	4.1000e-003	0.0000	102.1519
<b>Total</b>	<b>0.0509</b>	<b>0.3088</b>	<b>0.6291</b>	<b>1.2000e-003</b>		<b>5.7600e-003</b>	<b>5.7600e-003</b>		<b>5.7600e-003</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>102.0659</b>	<b>102.0659</b>	<b>4.1000e-003</b>	<b>0.0000</b>	<b>102.1519</b>

**3.5 Building Construction - 2031****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	0.1447	0.8141	2.0612	5.2700e-003	0.1442	0.0193	0.1635	0.0415	0.0178	0.0592	0.0000	448.3208	448.3208	3.2500e-003	0.0000	448.3890
Worker	0.1046	0.1461	1.4373	7.3500e-003	0.6170	4.6800e-003	0.6217	0.1641	4.3400e-003	0.1685	0.0000	425.1269	425.1269	0.0159	0.0000	425.4605
<b>Total</b>	<b>0.2493</b>	<b>0.9602</b>	<b>3.4986</b>	<b>0.0126</b>	<b>0.7612</b>	<b>0.0240</b>	<b>0.7852</b>	<b>0.2056</b>	<b>0.0221</b>	<b>0.2277</b>	<b>0.0000</b>	<b>873.4477</b>	<b>873.4477</b>	<b>0.0191</b>	<b>0.0000</b>	<b>873.8495</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	0.0509	0.3088	0.6291	1.2000e-003		5.7600e-003	5.7600e-003		5.7600e-003	5.7600e-003	0.0000	102.0658	102.0658	4.1000e-003	0.0000	102.1518
<b>Total</b>	<b>0.0509</b>	<b>0.3088</b>	<b>0.6291</b>	<b>1.2000e-003</b>		<b>5.7600e-003</b>	<b>5.7600e-003</b>		<b>5.7600e-003</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>102.0658</b>	<b>102.0658</b>	<b>4.1000e-003</b>	<b>0.0000</b>	<b>102.1518</b>

### 3.5 Building Construction - 2031

#### 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	0.1447	0.8141	2.0612	5.2700e-003	0.1442	0.0193	0.1635	0.0415	0.0178	0.0592	0.0000	448.3208	448.3208	3.2500e-003	0.0000	448.3890
Worker	0.1046	0.1461	1.4373	7.3500e-003	0.6170	4.6800e-003	0.6217	0.1641	4.3400e-003	0.1685	0.0000	425.1269	425.1269	0.0159	0.0000	425.4605
<b>Total</b>	<b>0.2493</b>	<b>0.9602</b>	<b>3.4986</b>	<b>0.0126</b>	<b>0.7612</b>	<b>0.0240</b>	<b>0.7852</b>	<b>0.2056</b>	<b>0.0221</b>	<b>0.2277</b>	<b>0.0000</b>	<b>873.4477</b>	<b>873.4477</b>	<b>0.0191</b>	<b>0.0000</b>	<b>873.8495</b>

### 3.6 Paving - 2031

#### 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	0.1240	0.6387	1.4200	2.5100e-003		0.0296	0.0296		0.0296	0.0296	0.0000	215.8181	215.8181	0.0101	0.0000	216.0306
Paving	0.0293					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1533</b>	<b>0.6387</b>	<b>1.4200</b>	<b>2.5100e-003</b>		<b>0.0296</b>	<b>0.0296</b>		<b>0.0296</b>	<b>0.0296</b>	<b>0.0000</b>	<b>215.8181</b>	<b>215.8181</b>	<b>0.0101</b>	<b>0.0000</b>	<b>216.0306</b>

### 3.6 Paving - 2031

#### 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	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	0.0000
Worker	2.1100e-003	2.9500e-003	0.0290	1.5000e-004	0.0125	9.0000e-005	0.0126	3.3100e-003	9.0000e-005	3.4000e-003	0.0000	8.5836	8.5836	3.2000e-004	0.0000	8.5903	
<b>Total</b>	<b>2.1100e-003</b>	<b>2.9500e-003</b>	<b>0.0290</b>	<b>1.5000e-004</b>	<b>0.0125</b>	<b>9.0000e-005</b>	<b>0.0126</b>	<b>3.3100e-003</b>	<b>9.0000e-005</b>	<b>3.4000e-003</b>	<b>0.0000</b>	<b>8.5836</b>	<b>8.5836</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>8.5903</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	0.1240	0.6387	1.4200	2.5100e-003		0.0296	0.0296		0.0296	0.0296	0.0000	215.8179	215.8179	0.0101	0.0000	216.0303
Paving	0.0293					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1533</b>	<b>0.6387</b>	<b>1.4200</b>	<b>2.5100e-003</b>		<b>0.0296</b>	<b>0.0296</b>		<b>0.0296</b>	<b>0.0296</b>	<b>0.0000</b>	<b>215.8179</b>	<b>215.8179</b>	<b>0.0101</b>	<b>0.0000</b>	<b>216.0303</b>



### 3.6 Paving - 2031

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	2.9500e-003	0.0290	1.5000e-004	0.0125	9.0000e-005	0.0126	3.3100e-003	9.0000e-005	3.4000e-003	0.0000	8.5836	8.5836	3.2000e-004	0.0000	8.5903
<b>Total</b>	<b>2.1100e-003</b>	<b>2.9500e-003</b>	<b>0.0290</b>	<b>1.5000e-004</b>	<b>0.0125</b>	<b>9.0000e-005</b>	<b>0.0126</b>	<b>3.3100e-003</b>	<b>9.0000e-005</b>	<b>3.4000e-003</b>	<b>0.0000</b>	<b>8.5836</b>	<b>8.5836</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>8.5903</b>

### 3.6 Paving - 2032

#### 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	0.0251	0.1291	0.2871	5.1000e-004		5.9800e-003	5.9800e-003		5.9800e-003	5.9800e-003	0.0000	43.6354	43.6354	2.0500e-003	0.0000	43.6783
Paving	5.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0310</b>	<b>0.1291</b>	<b>0.2871</b>	<b>5.1000e-004</b>		<b>5.9800e-003</b>	<b>5.9800e-003</b>		<b>5.9800e-003</b>	<b>5.9800e-003</b>	<b>0.0000</b>	<b>43.6354</b>	<b>43.6354</b>	<b>2.0500e-003</b>	<b>0.0000</b>	<b>43.6783</b>

### 3.6 Paving - 2032

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	5.7000e-004	5.6900e-003	3.0000e-005	2.5200e-003	2.0000e-005	2.5400e-003	6.7000e-004	2.0000e-005	6.9000e-004	0.0000	1.7274	1.7274	6.0000e-005	0.0000	1.7287
<b>Total</b>	<b>4.1000e-004</b>	<b>5.7000e-004</b>	<b>5.6900e-003</b>	<b>3.0000e-005</b>	<b>2.5200e-003</b>	<b>2.0000e-005</b>	<b>2.5400e-003</b>	<b>6.7000e-004</b>	<b>2.0000e-005</b>	<b>6.9000e-004</b>	<b>0.0000</b>	<b>1.7274</b>	<b>1.7274</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.7287</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	0.0251	0.1291	0.2871	5.1000e-004		5.9800e-003	5.9800e-003		5.9800e-003	5.9800e-003	0.0000	43.6353	43.6353	2.0500e-003	0.0000	43.6783
Paving	5.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0310</b>	<b>0.1291</b>	<b>0.2871</b>	<b>5.1000e-004</b>		<b>5.9800e-003</b>	<b>5.9800e-003</b>		<b>5.9800e-003</b>	<b>5.9800e-003</b>	<b>0.0000</b>	<b>43.6353</b>	<b>43.6353</b>	<b>2.0500e-003</b>	<b>0.0000</b>	<b>43.6783</b>

### 3.6 Paving - 2032

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	5.7000e-004	5.6900e-003	3.0000e-005	2.5200e-003	2.0000e-005	2.5400e-003	6.7000e-004	2.0000e-005	6.9000e-004	0.0000	1.7274	1.7274	6.0000e-005	0.0000	1.7287
<b>Total</b>	<b>4.1000e-004</b>	<b>5.7000e-004</b>	<b>5.6900e-003</b>	<b>3.0000e-005</b>	<b>2.5200e-003</b>	<b>2.0000e-005</b>	<b>2.5400e-003</b>	<b>6.7000e-004</b>	<b>2.0000e-005</b>	<b>6.9000e-004</b>	<b>0.0000</b>	<b>1.7274</b>	<b>1.7274</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.7287</b>

### 3.7 Architectural Coating - 2032

#### 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	23.1707					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.0942	0.1978	3.3000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	28.0858	28.0858	1.1400e-003	0.0000	28.1097
<b>Total</b>	<b>23.1851</b>	<b>0.0942</b>	<b>0.1978</b>	<b>3.3000e-004</b>		<b>2.2300e-003</b>	<b>2.2300e-003</b>		<b>2.2300e-003</b>	<b>2.2300e-003</b>	<b>0.0000</b>	<b>28.0858</b>	<b>28.0858</b>	<b>1.1400e-003</b>	<b>0.0000</b>	<b>28.1097</b>

### 3.7 Architectural Coating - 2032

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0569	0.0794	0.7876	4.1500e-003	0.3485	2.6400e-003	0.3511	0.0927	2.4500e-003	0.0951	0.0000	238.9736	238.9736	8.7700e-003	0.0000	239.1578
<b>Total</b>	<b>0.0569</b>	<b>0.0794</b>	<b>0.7876</b>	<b>4.1500e-003</b>	<b>0.3485</b>	<b>2.6400e-003</b>	<b>0.3511</b>	<b>0.0927</b>	<b>2.4500e-003</b>	<b>0.0951</b>	<b>0.0000</b>	<b>238.9736</b>	<b>238.9736</b>	<b>8.7700e-003</b>	<b>0.0000</b>	<b>239.1578</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	23.1707					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.0942	0.1978	3.3000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	28.0858	28.0858	1.1400e-003	0.0000	28.1096
<b>Total</b>	<b>23.1851</b>	<b>0.0942</b>	<b>0.1978</b>	<b>3.3000e-004</b>		<b>2.2300e-003</b>	<b>2.2300e-003</b>		<b>2.2300e-003</b>	<b>2.2300e-003</b>	<b>0.0000</b>	<b>28.0858</b>	<b>28.0858</b>	<b>1.1400e-003</b>	<b>0.0000</b>	<b>28.1096</b>



### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Supermarket	0.00	0.00	0.00		
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</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-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
High Turnover (Sit Down)	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	12.40	4.30	5.40	26.10	29.10	44.80	86	11	3
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.540708	0.062029	0.166535	0.109313	0.030530	0.004548	0.019619	0.054044	0.001811	0.003599	0.005676	0.000189	0.001400

### 5.0 Energy Detail

#### 4.4 Fleet Mix

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	1,031.5188	1,031.5188	0.1032	0.0213	1,040.3009
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,031.5188	1,031.5188	0.1032	0.0213	1,040.3009
NaturalGas Mitigated	0.1523	1.3129	0.6361	8.3100e-003		0.1053	0.1053		0.1053	0.1053	0.0000	1,507.5429	1,507.5429	0.0289	0.0276	1,516.7176
NaturalGas Unmitigated	0.1523	1.3129	0.6361	8.3100e-003		0.1053	0.1053		0.1053	0.1053	0.0000	1,507.5429	1,507.5429	0.0289	0.0276	1,516.7176

### 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					
Health Club	346360	1.8700e-003	0.0170	0.0143	1.0000e-004		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	18.4831	18.4831	3.5000e-004	3.4000e-004	18.5956
High Turnover (Sit Down Restaurant)	1.00746e+006	5.4300e-003	0.0494	0.0415	3.0000e-004		3.7500e-003	3.7500e-003		3.7500e-003	3.7500e-003	0.0000	53.7619	53.7619	1.0300e-003	9.9000e-004	54.0891
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.3964e+007	0.0753	0.6434	0.2738	4.1100e-003		0.0520	0.0520		0.0520	0.0520	0.0000	745.1742	745.1742	0.0143	0.0137	749.7092
Supermarket	2.45652e+006	0.0133	0.1204	0.1012	7.2000e-004		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	131.0893	131.0893	2.5100e-003	2.4000e-003	131.8871
City Park	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
Condo/Townhouse	1.04759e+007	0.0565	0.4827	0.2054	3.0800e-003		0.0390	0.0390		0.0390	0.0390	0.0000	559.0345	559.0345	0.0107	0.0103	562.4367
<b>Total</b>		<b>0.1523</b>	<b>1.3129</b>	<b>0.6361</b>	<b>8.3100e-003</b>		<b>0.1052</b>	<b>0.1052</b>		<b>0.1052</b>	<b>0.1052</b>	<b>0.0000</b>	<b>1,507.5429</b>	<b>1,507.5429</b>	<b>0.0289</b>	<b>0.0276</b>	<b>1,516.7176</b>



### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Health Club	346360	1.8700e-003	0.0170	0.0143	1.0000e-004		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	18.4831	18.4831	3.5000e-004	3.4000e-004	18.5956
High Turnover (Sit Down Restaurant)	1.00746e+006	5.4300e-003	0.0494	0.0415	3.0000e-004		3.7500e-003	3.7500e-003		3.7500e-003	3.7500e-003	0.0000	53.7619	53.7619	1.0300e-003	9.9000e-004	54.0891
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.3964e+007	0.0753	0.6434	0.2738	4.1100e-003		0.0520	0.0520		0.0520	0.0520	0.0000	745.1742	745.1742	0.0143	0.0137	749.7092
Supermarket	2.45652e+006	0.0133	0.1204	0.1012	7.2000e-004		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	131.0893	131.0893	2.5100e-003	2.4000e-003	131.8871
City Park	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
Condo/Townhouse	1.04759e+007	0.0565	0.4827	0.2054	3.0800e-003		0.0390	0.0390		0.0390	0.0390	0.0000	559.0345	559.0345	0.0107	0.0103	562.4367
<b>Total</b>		<b>0.1523</b>	<b>1.3129</b>	<b>0.6361</b>	<b>8.3100e-003</b>		<b>0.1052</b>	<b>0.1052</b>		<b>0.1052</b>	<b>0.1052</b>	<b>0.0000</b>	<b>1,507.5429</b>	<b>1,507.5429</b>	<b>0.0289</b>	<b>0.0276</b>	<b>1,516.7176</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	2.41652e+006	317.8730	0.0318	6.5800e-003	320.5793
Health Club	114800	15.1010	1.5100e-003	3.1000e-004	15.2296
High Turnover (Sit Down Restaurant)	180480	23.7407	2.3700e-003	4.9000e-004	23.9428
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76744.8	10.0952	1.0100e-003	2.1000e-004	10.1811
Single Family Housing	2.49902e+006	328.7250	0.0329	6.8000e-003	331.5237
Supermarket	2.5542e+006	335.9840	0.0336	6.9500e-003	338.8445
<b>Total</b>		<b>1,031.5188</b>	<b>0.1032</b>	<b>0.0213</b>	<b>1,040.3009</b>

### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	2.41652e+006	317.8730	0.0318	6.5800e-003	320.5793
Health Club	114800	15.1010	1.5100e-003	3.1000e-004	15.2296
High Turnover (Sit Down Restaurant)	180480	23.7407	2.3700e-003	4.9000e-004	23.9428
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76744.8	10.0952	1.0100e-003	2.1000e-004	10.1811
Single Family Housing	2.49902e+006	328.7250	0.0329	6.8000e-003	331.5237
Supermarket	2.5542e+006	335.9840	0.0336	6.9500e-003	338.8445
<b>Total</b>		<b>1,031.5188</b>	<b>0.1032</b>	<b>0.0213</b>	<b>1,040.3009</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	7.8272	0.0999	8.1652	4.3600e-003		0.2411	0.2411		0.2411	0.2411	26.7203	55.9063	82.6266	0.1367	8.2000e-004	85.7496
Unmitigated	7.8272	0.0999	8.1652	4.3600e-003		0.2411	0.2411		0.2411	0.2411	26.7203	55.9063	82.6266	0.1367	8.2000e-004	85.7496

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.3171					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.1621					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1392	0.0200	1.2235	3.9900e-003		0.2027	0.2027		0.2026	0.2026	26.7203	44.5617	71.2819	0.1258	8.2000e-004	74.1763
Landscaping	0.2089	0.0800	6.9417	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.3446	11.3446	0.0109	0.0000	11.5734
<b>Total</b>	<b>7.8272</b>	<b>0.0999</b>	<b>8.1652</b>	<b>4.3600e-003</b>		<b>0.2411</b>	<b>0.2411</b>		<b>0.2411</b>	<b>0.2411</b>	<b>26.7203</b>	<b>55.9063</b>	<b>82.6266</b>	<b>0.1367</b>	<b>8.2000e-004</b>	<b>85.7496</b>

### 6.2 Area by SubCategory

#### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.3171					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.1621					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1392	0.0200	1.2235	3.9900e-003		0.2027	0.2027		0.2026	0.2026	26.7203	44.5617	71.2819	0.1258	8.2000e-004	74.1763
Landscaping	0.2089	0.0800	6.9417	3.7000e-004		0.0385	0.0385		0.0385	0.0385	0.0000	11.3446	11.3446	0.0109	0.0000	11.5734
<b>Total</b>	<b>7.8272</b>	<b>0.0999</b>	<b>8.1652</b>	<b>4.3600e-003</b>		<b>0.2411</b>	<b>0.2411</b>		<b>0.2411</b>	<b>0.2411</b>	<b>26.7203</b>	<b>55.9063</b>	<b>82.6266</b>	<b>0.1367</b>	<b>8.2000e-004</b>	<b>85.7496</b>

### 7.0 Water Detail

#### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	80.5095	0.0969	0.0591	100.8778
Unmitigated	80.5095	0.0974	0.0592	100.9205

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	21.5211 / 0	22.9323	0.0277	0.0169	28.7462
Condo/Townhouse	29.5831 / 0	31.5230	0.0381	0.0232	39.5148
Health Club	0.650195 / 0	0.6928	8.4000e-004	5.1000e-004	0.8685
High Turnover (Sit Down Restaurant)	0.943264 / 0	1.0051	1.2200e-003	7.4000e-004	1.2599
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	18.7739 / 0	20.0050	0.0242	0.0147	25.0767
Supermarket	4.08344 / 0	4.3512	5.2600e-003	3.2000e-003	5.4543
<b>Total</b>		<b>80.5095</b>	<b>0.0974</b>	<b>0.0593</b>	<b>100.9205</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	21.5211 / 0	22.9323	0.0276	0.0169	28.7340
Condo/Townhouse	29.5831 / 0	31.5230	0.0379	0.0232	39.4981
Health Club	0.650195 / 0	0.6928	8.3000e-004	5.1000e-004	0.8681
High Turnover (Sit Down Restaurant)	0.943264 / 0	1.0051	1.2100e-003	7.4000e-004	1.2594
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	18.7739 / 0	20.0050	0.0241	0.0147	25.0661
Supermarket	4.08344 / 0	4.3512	5.2400e-003	3.2000e-003	5.4520
<b>Total</b>		<b>80.5095</b>	<b>0.0969</b>	<b>0.0592</b>	<b>100.8778</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	27.3693	1.6175	0.0000	61.3363
Unmitigated	27.3693	1.6175	0.0000	61.3363



**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.35	0.0711	4.2000e-003	0.0000	0.1592
Condo/Townhouse	28.94	5.8746	0.3472	0.0000	13.1653
Health Club	8.78	1.7823	0.1053	0.0000	3.9942
High Turnover (Sit Down Restaurant)	7.85	1.5935	0.0942	0.0000	3.5711
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	47.96	9.7355	0.5754	0.0000	21.8178
Supermarket	40.95	8.3125	0.4913	0.0000	18.6288
<b>Total</b>		<b>27.3693</b>	<b>1.6175</b>	<b>0.0000</b>	<b>61.3363</b>

### 8.2 Waste by Land Use

#### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.35	0.0711	4.2000e-003	0.0000	0.1592
Condo/Townhouse	28.94	5.8746	0.3472	0.0000	13.1653
Health Club	8.78	1.7823	0.1053	0.0000	3.9942
High Turnover (Sit Down Restaurant)	7.85	1.5935	0.0942	0.0000	3.5711
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	47.96	9.7355	0.5754	0.0000	21.8178
Supermarket	40.95	8.3125	0.4913	0.0000	18.6288
<b>Total</b>		<b>27.3693</b>	<b>1.6175</b>	<b>0.0000</b>	<b>61.3363</b>

### 9.0 Operational Offroad

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

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	452.4400	0.0000	0.0000	452.4400

### 10.1 Vegetation Land Change

#### Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Grassland	50 / 0	-215.5000	0.0000	0.0000	-215.5000
<b>Total</b>		<b>-215.5000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>-215.5000</b>

**10.2 Net New Trees**

**Species Class**

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Mixed Hardwood	910	667.9400	0.0000	0.0000	667.9400
<b>Total</b>		<b>667.9400</b>	<b>0.0000</b>	<b>0.0000</b>	<b>667.9400</b>

## Oak Knoll Phase I Operational GHGs Alameda County, Annual

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	10.30	Acre	10.30	448,668.00	0
Parking Lot	87.21	1000sqft	2.00	87,210.00	0
City Park	23.90	Acre	23.90	1,041,084.00	0
Health Club	14.00	1000sqft	2.80	14,000.00	0
High Turnover (Sit Down Restaurant)	6.00	1000sqft	0.55	6,000.00	0
Condo/Townhouse	232.00	Dwelling Unit	13.00	232,000.00	555
Single Family Housing	100.00	Dwelling Unit	9.20	180,000.00	239
Supermarket	66.00	1000sqft	6.05	66,000.00	0

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	63
<b>Climate Zone</b>	5			<b>Operational Year</b>	2022
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	290	<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 - utility specific factor

Land Use - Updated project specific data.

Construction Phase - Project specific construction schedule.

Off-road Equipment - Project specific info for on-site material crushing.

Trips and VMT - Hauling trips provided by applicant.

Demolition -

Grading - Project specific information.

Architectural Coating -

Vehicle Trips - no city park trip rates

Woodstoves - BAAQMD Reg 6 Rule 3

Energy Use - CEC T24 Energy Reductions.

Water And Wastewater - BKF projected water consumption.

Solid Waste - Oakland ECAP Waste Diversion Goal.

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation - BAAQMD Basic Construction Mitigation.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1,110.00	1,116.00
tblConstructionPhase	NumDays	70.00	90.00
tblConstructionPhase	NumDays	110.00	111.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/30/2017	8/7/2017

tblConstructionPhase	PhaseStartDate	7/15/2017	6/22/2017
tblEnergyUse	T24E	135.74	97.73
tblEnergyUse	T24E	1.48	1.41
tblEnergyUse	T24E	3.26	3.10
tblEnergyUse	T24E	248.69	179.06
tblEnergyUse	T24E	3.32	3.15
tblEnergyUse	T24NG	21,338.24	15,363.53
tblEnergyUse	T24NG	18.78	17.84
tblEnergyUse	T24NG	41.99	39.89
tblEnergyUse	T24NG	44,827.08	32,275.50
tblEnergyUse	T24NG	25.82	24.53
tblFireplaces	NumberGas	127.60	160.08
tblFireplaces	NumberGas	55.00	100.00
tblFireplaces	NumberWood	32.48	0.00
tblFireplaces	NumberWood	45.00	0.00
tblGrading	AcresOfGrading	277.50	67.60
tblGrading	AcresOfGrading	0.00	67.60
tblGrading	MaterialExported	0.00	5,500.00
tblLandUse	LotAcreage	0.32	2.80
tblLandUse	LotAcreage	0.14	0.55
tblLandUse	LotAcreage	14.50	13.00
tblLandUse	LotAcreage	32.47	9.20
tblLandUse	LotAcreage	1.52	6.05
tblLandUse	Population	664.00	555.00
tblLandUse	Population	286.00	239.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblProjectCharacteristics	OperationalYear	2014	2022
tblSequestration	NumberOfNewTrees	0.00	910.00

tblSolidWaste	SolidWasteGenerationRate	2.06	0.23
tblSolidWaste	SolidWasteGenerationRate	106.72	11.74
tblSolidWaste	SolidWasteGenerationRate	79.80	8.78
tblSolidWaste	SolidWasteGenerationRate	71.40	7.85
tblSolidWaste	SolidWasteGenerationRate	100.38	11.04
tblSolidWaste	SolidWasteGenerationRate	372.24	40.95
tblTripsAndVMT	HaulingTripNumber	10,877.00	7,610.00
tblTripsAndVMT	HaulingTripNumber	688.00	780.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	3.45	6.54
tblVehicleEF	HHD	1.09	1.13
tblVehicleEF	HHD	60.69	0.00
tblVehicleEF	HHD	527.63	12,625.57
tblVehicleEF	HHD	1,551.39	1,709.81
tblVehicleEF	HHD	49.32	0.81
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	3.27	52.82
tblVehicleEF	HHD	2.13	4.25
tblVehicleEF	HHD	3.88	0.02
tblVehicleEF	HHD	9.0910e-003	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.07	0.03
tblVehicleEF	HHD	8.3800e-004	6.4930e-006
tblVehicleEF	HHD	8.3640e-003	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7720e-003	8.9769e-003



tblVehicleEF	HHD	0.07	0.02
tblVehicleEF	HHD	7.7700e-004	5.9701e-006
tblVehicleEF	HHD	1.2500e-003	1.2173e-004
tblVehicleEF	HHD	0.08	3.6647e-004
tblVehicleEF	HHD	0.61	1.68
tblVehicleEF	HHD	8.9000e-004	8.3229e-005
tblVehicleEF	HHD	0.22	0.15
tblVehicleEF	HHD	0.40	1.6737e-003
tblVehicleEF	HHD	1.60	6.9391e-003
tblVehicleEF	HHD	5.5930e-003	0.12
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.5500e-003	1.2343e-005
tblVehicleEF	HHD	1.2500e-003	1.4640e-003
tblVehicleEF	HHD	0.08	0.09
tblVehicleEF	HHD	0.70	0.64
tblVehicleEF	HHD	8.9000e-004	1.0080e-003
tblVehicleEF	HHD	0.25	0.27
tblVehicleEF	HHD	0.40	0.53
tblVehicleEF	HHD	1.71	2.47
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.50	2.29
tblVehicleEF	HHD	1.09	1.19
tblVehicleEF	HHD	41.34	46.57
tblVehicleEF	HHD	558.98	559.68
tblVehicleEF	HHD	1,551.39	1,562.90
tblVehicleEF	HHD	49.32	49.33
tblVehicleEF	HHD	0.05	0.05

tblVehicleEF	HHD	3.37	4.10
tblVehicleEF	HHD	2.05	3.81
tblVehicleEF	HHD	3.60	4.10
tblVehicleEF	HHD	7.6640e-003	8.6950e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	8.3800e-004	1.3290e-003
tblVehicleEF	HHD	7.0510e-003	8.0000e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7720e-003	8.7660e-003
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	7.7700e-004	1.2320e-003
tblVehicleEF	HHD	3.1140e-003	3.8410e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	0.58	0.53
tblVehicleEF	HHD	1.9820e-003	2.4480e-003
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	0.39	0.52
tblVehicleEF	HHD	1.27	1.77
tblVehicleEF	HHD	5.9250e-003	5.9330e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2360e-003	1.3340e-003
tblVehicleEF	HHD	3.1140e-003	3.8410e-003
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	0.66	0.60
tblVehicleEF	HHD	1.9820e-003	2.4480e-003
tblVehicleEF	HHD	0.25	0.27

tblVehicleEF	HHD	0.39	0.52
tblVehicleEF	HHD	1.36	1.88
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	4.75	4.35
tblVehicleEF	HHD	1.08	1.18
tblVehicleEF	HHD	77.65	91.37
tblVehicleEF	HHD	484.34	484.95
tblVehicleEF	HHD	1,551.39	1,562.90
tblVehicleEF	HHD	49.32	49.33
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	3.12	3.80
tblVehicleEF	HHD	2.16	4.02
tblVehicleEF	HHD	4.09	4.66
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	8.3800e-004	1.3290e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7720e-003	8.7660e-003
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	7.7700e-004	1.2320e-003
tblVehicleEF	HHD	5.6900e-004	6.0300e-004
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	0.66	0.61
tblVehicleEF	HHD	4.2800e-004	4.4100e-004

tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	0.45	0.59
tblVehicleEF	HHD	1.87	2.78
tblVehicleEF	HHD	5.1340e-003	5.1410e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.8240e-003	2.0690e-003
tblVehicleEF	HHD	5.6900e-004	6.0300e-004
tblVehicleEF	HHD	0.08	0.10
tblVehicleEF	HHD	0.75	0.69
tblVehicleEF	HHD	4.2800e-004	4.4100e-004
tblVehicleEF	HHD	0.25	0.27
tblVehicleEF	HHD	0.45	0.59
tblVehicleEF	HHD	2.00	2.97
tblVehicleEF	LDA	8.3230e-003	9.4700e-003
tblVehicleEF	LDA	4.6860e-003	6.4620e-003
tblVehicleEF	LDA	0.62	0.58
tblVehicleEF	LDA	1.29	1.39
tblVehicleEF	LDA	219.18	258.83
tblVehicleEF	LDA	48.27	58.41
tblVehicleEF	LDA	0.54	0.57
tblVehicleEF	LDA	0.07	0.05
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.8980e-003	1.8125e-003
tblVehicleEF	LDA	4.2000e-003	2.2720e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003

tblVehicleEF	LDA	1.7600e-003	1.6718e-003
tblVehicleEF	LDA	3.8970e-003	2.0892e-003
tblVehicleEF	LDA	0.02	0.21
tblVehicleEF	LDA	0.07	0.12
tblVehicleEF	LDA	0.02	0.20
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.20	0.24
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	3.4120e-003	2.5918e-003
tblVehicleEF	LDA	7.5900e-004	6.0781e-004
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.23
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	8.3230e-003	9.4700e-003
tblVehicleEF	LDA	4.6860e-003	6.4620e-003
tblVehicleEF	LDA	0.73	0.88
tblVehicleEF	LDA	0.85	1.11
tblVehicleEF	LDA	237.03	254.99
tblVehicleEF	LDA	48.27	52.23
tblVehicleEF	LDA	0.54	0.54
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	1.8980e-003	1.8390e-003
tblVehicleEF	LDA	4.2000e-003	3.5030e-003
tblVehicleEF	LDA	1.7600e-003	1.7040e-003

tblVehicleEF	LDA	3.8970e-003	3.2490e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.18	0.22
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	3.6920e-003	3.6940e-003
tblVehicleEF	LDA	7.5200e-004	7.5500e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.18	0.22
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	8.3230e-003	9.4700e-003
tblVehicleEF	LDA	4.6860e-003	6.4620e-003
tblVehicleEF	LDA	0.61	0.74
tblVehicleEF	LDA	1.59	2.08
tblVehicleEF	LDA	217.40	233.93
tblVehicleEF	LDA	48.27	52.23
tblVehicleEF	LDA	0.54	0.54
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	1.8980e-003	1.8390e-003
tblVehicleEF	LDA	4.2000e-003	3.5030e-003
tblVehicleEF	LDA	1.7600e-003	1.7040e-003
tblVehicleEF	LDA	3.8970e-003	3.2490e-003

tblVehicleEF	LDA	9.3570e-003	0.01
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.23	0.27
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDA	3.3840e-003	3.3850e-003
tblVehicleEF	LDA	7.6500e-004	7.7200e-004
tblVehicleEF	LDA	9.3570e-003	0.01
tblVehicleEF	LDA	0.08	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.27
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.41	1.11
tblVehicleEF	LDT1	3.19	3.00
tblVehicleEF	LDT1	271.84	311.65
tblVehicleEF	LDT1	59.80	71.09
tblVehicleEF	LDT1	0.06	0.04
tblVehicleEF	LDT1	0.16	0.11
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.8090e-003	2.4667e-003
tblVehicleEF	LDT1	4.6960e-003	3.2203e-003
tblVehicleEF	LDT1	0.02	0.02

tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.6050e-003	2.2747e-003
tblVehicleEF	LDT1	4.3570e-003	2.9615e-003
tblVehicleEF	LDT1	0.08	0.54
tblVehicleEF	LDT1	0.21	0.26
tblVehicleEF	LDT1	0.08	0.47
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.74	0.94
tblVehicleEF	LDT1	0.22	0.20
tblVehicleEF	LDT1	3.9580e-003	3.1289e-003
tblVehicleEF	LDT1	9.0700e-004	7.6341e-004
tblVehicleEF	LDT1	0.08	0.10
tblVehicleEF	LDT1	0.21	0.25
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.74	0.87
tblVehicleEF	LDT1	0.24	0.34
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.63	2.20
tblVehicleEF	LDT1	2.12	2.94
tblVehicleEF	LDT1	292.76	310.88
tblVehicleEF	LDT1	59.80	63.56
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.14	0.19
tblVehicleEF	LDT1	0.15	0.21
tblVehicleEF	LDT1	2.8090e-003	3.3250e-003
tblVehicleEF	LDT1	4.6960e-003	4.7660e-003



tblVehicleEF	LDT1	2.6050e-003	3.0830e-003
tblVehicleEF	LDT1	4.3570e-003	4.4200e-003
tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.24	0.29
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.67	0.80
tblVehicleEF	LDT1	0.17	0.24
tblVehicleEF	LDT1	4.2680e-003	4.2660e-003
tblVehicleEF	LDT1	8.8800e-004	8.9800e-004
tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.24	0.29
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.05	0.07
tblVehicleEF	LDT1	0.67	0.80
tblVehicleEF	LDT1	0.18	0.25
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.40	1.91
tblVehicleEF	LDT1	3.91	5.44
tblVehicleEF	LDT1	269.75	286.71
tblVehicleEF	LDT1	59.80	63.56
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.17	0.24
tblVehicleEF	LDT1	0.18	0.25
tblVehicleEF	LDT1	2.8090e-003	3.3250e-003
tblVehicleEF	LDT1	4.6960e-003	4.7660e-003
tblVehicleEF	LDT1	2.6050e-003	3.0830e-003

tblVehicleEF	LDT1	4.3570e-003	4.4200e-003
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.23	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.91	1.08
tblVehicleEF	LDT1	0.26	0.37
tblVehicleEF	LDT1	3.9270e-003	3.9280e-003
tblVehicleEF	LDT1	9.2000e-004	9.4100e-004
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.23	0.26
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	0.91	1.08
tblVehicleEF	LDT1	0.28	0.40
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	6.6260e-003	9.4410e-003
tblVehicleEF	LDT2	0.81	0.70
tblVehicleEF	LDT2	1.82	1.67
tblVehicleEF	LDT2	334.46	352.34
tblVehicleEF	LDT2	73.52	80.36
tblVehicleEF	LDT2	0.17	0.18
tblVehicleEF	LDT2	0.10	0.08
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.8300e-003	1.7138e-003
tblVehicleEF	LDT2	4.0760e-003	2.2827e-003

tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.6980e-003	1.5761e-003
tblVehicleEF	LDT2	3.7820e-003	2.0989e-003
tblVehicleEF	LDT2	0.04	0.24
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.04	0.25
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.39	0.41
tblVehicleEF	LDT2	0.12	0.10
tblVehicleEF	LDT2	4.6410e-003	3.5283e-003
tblVehicleEF	LDT2	1.0380e-003	8.3180e-004
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.39	0.44
tblVehicleEF	LDT2	0.13	0.18
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	6.6260e-003	9.4410e-003
tblVehicleEF	LDT2	0.95	1.20
tblVehicleEF	LDT2	1.20	1.66
tblVehicleEF	LDT2	360.96	379.89
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tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.12	0.18
tblVehicleEF	LDT2	1.8300e-003	1.7470e-003

tblVehicleEF	LDT2	4.0760e-003	3.3870e-003
tblVehicleEF	LDT2	1.6980e-003	1.6200e-003
tblVehicleEF	LDT2	3.7820e-003	3.1420e-003
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.36	0.40
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	5.0120e-003	5.0160e-003
tblVehicleEF	LDT2	1.0270e-003	1.0330e-003
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.36	0.40
tblVehicleEF	LDT2	0.09	0.13
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	6.6260e-003	9.4410e-003
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tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.11	0.14
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	1.8300e-003	1.7470e-003
tblVehicleEF	LDT2	4.0760e-003	3.3870e-003

tblVehicleEF	LDT2	1.6980e-003	1.6200e-003
tblVehicleEF	LDT2	3.7820e-003	3.1420e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.47	0.53
tblVehicleEF	LDT2	0.14	0.20
tblVehicleEF	LDT2	4.6040e-003	4.6080e-003
tblVehicleEF	LDT2	1.0450e-003	1.0570e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.47	0.53
tblVehicleEF	LDT2	0.15	0.21
tblVehicleEF	LHD1	1.1880e-003	1.2340e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	2.09
tblVehicleEF	LHD1	1.07	1.19
tblVehicleEF	LHD1	3.85	2.61
tblVehicleEF	LHD1	7.80	124.82
tblVehicleEF	LHD1	760.22	715.36
tblVehicleEF	LHD1	40.00	31.13
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.05	1.04
tblVehicleEF	LHD1	0.81	1.28

tblVehicleEF	LHD1	1.19	1.01
tblVehicleEF	LHD1	5.5800e-004	0.01
tblVehicleEF	LHD1	0.05	0.08
tblVehicleEF	LHD1	9.1290e-003	9.7991e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	6.7200e-004	9.1845e-004
tblVehicleEF	LHD1	5.1400e-004	0.01
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.2820e-003	2.4498e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	8.4448e-004
tblVehicleEF	LHD1	1.8220e-003	0.03
tblVehicleEF	LHD1	0.07	0.10
tblVehicleEF	LHD1	0.03	0.24
tblVehicleEF	LHD1	1.1450e-003	0.02
tblVehicleEF	LHD1	0.10	0.12
tblVehicleEF	LHD1	0.43	0.70
tblVehicleEF	LHD1	0.31	0.26
tblVehicleEF	LHD1	8.9000e-005	1.2536e-003
tblVehicleEF	LHD1	8.3820e-003	7.0451e-003
tblVehicleEF	LHD1	5.1400e-004	3.6033e-004
tblVehicleEF	LHD1	1.8220e-003	2.0040e-003
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.1450e-003	1.1820e-003
tblVehicleEF	LHD1	0.12	0.17
tblVehicleEF	LHD1	0.43	0.45
tblVehicleEF	LHD1	0.33	0.43

tblVehicleEF	LHD1	1.1880e-003	1.2340e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.18
tblVehicleEF	LHD1	1.10	1.63
tblVehicleEF	LHD1	2.63	3.17
tblVehicleEF	LHD1	760.22	760.62
tblVehicleEF	LHD1	40.00	39.57
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.76	1.03
tblVehicleEF	LHD1	1.11	1.22
tblVehicleEF	LHD1	5.5800e-004	5.7600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	9.3700e-004
tblVehicleEF	LHD1	5.1400e-004	5.3000e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	8.6700e-004
tblVehicleEF	LHD1	4.4840e-003	5.0680e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4580e-003	2.6460e-003
tblVehicleEF	LHD1	0.10	0.15
tblVehicleEF	LHD1	0.41	0.44
tblVehicleEF	LHD1	0.25	0.32
tblVehicleEF	LHD1	8.3820e-003	8.3960e-003
tblVehicleEF	LHD1	4.9300e-004	4.9900e-004

tblVehicleEF	LHD1	4.4840e-003	5.0680e-003
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4580e-003	2.6460e-003
tblVehicleEF	LHD1	0.12	0.18
tblVehicleEF	LHD1	0.41	0.44
tblVehicleEF	LHD1	0.27	0.34
tblVehicleEF	LHD1	1.1880e-003	1.2340e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.18
tblVehicleEF	LHD1	1.05	1.55
tblVehicleEF	LHD1	4.94	6.02
tblVehicleEF	LHD1	760.22	760.62
tblVehicleEF	LHD1	40.00	39.57
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.83	1.12
tblVehicleEF	LHD1	1.25	1.39
tblVehicleEF	LHD1	5.5800e-004	5.7600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	9.3700e-004
tblVehicleEF	LHD1	5.1400e-004	5.3000e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	8.6700e-004
tblVehicleEF	LHD1	7.7500e-004	7.8900e-004
tblVehicleEF	LHD1	0.08	0.08



tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	5.6100e-004	5.5300e-004
tblVehicleEF	LHD1	0.10	0.14
tblVehicleEF	LHD1	0.48	0.50
tblVehicleEF	LHD1	0.36	0.47
tblVehicleEF	LHD1	8.3820e-003	8.3940e-003
tblVehicleEF	LHD1	5.3300e-004	5.4800e-004
tblVehicleEF	LHD1	7.7500e-004	7.8900e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	5.6100e-004	5.5300e-004
tblVehicleEF	LHD1	0.12	0.17
tblVehicleEF	LHD1	0.48	0.50
tblVehicleEF	LHD1	0.39	0.50
tblVehicleEF	LHD2	9.3200e-004	9.6400e-004
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7060e-003	0.01
tblVehicleEF	LHD2	0.14	1.70
tblVehicleEF	LHD2	0.79	0.62
tblVehicleEF	LHD2	2.22	1.23
tblVehicleEF	LHD2	8.58	185.87
tblVehicleEF	LHD2	657.39	728.61
tblVehicleEF	LHD2	26.95	23.82
tblVehicleEF	LHD2	4.5480e-003	4.9108e-003
tblVehicleEF	LHD2	0.10	1.36
tblVehicleEF	LHD2	1.16	0.89
tblVehicleEF	LHD2	0.73	0.50
tblVehicleEF	LHD2	1.1160e-003	0.02

tblVehicleEF	LHD2	0.06	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	3.1900e-004	3.9809e-004
tblVehicleEF	LHD2	1.0270e-003	0.02
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	2.5360e-003	2.6444e-003
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	2.9600e-004	3.6603e-004
tblVehicleEF	LHD2	9.8400e-004	0.01
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.19
tblVehicleEF	LHD2	6.3700e-004	7.0528e-003
tblVehicleEF	LHD2	0.09	0.11
tblVehicleEF	LHD2	0.24	0.22
tblVehicleEF	LHD2	0.17	0.10
tblVehicleEF	LHD2	9.5000e-005	1.8174e-003
tblVehicleEF	LHD2	7.1750e-003	7.1026e-003
tblVehicleEF	LHD2	3.3900e-004	2.6050e-004
tblVehicleEF	LHD2	9.8400e-004	1.1630e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.3700e-004	6.8900e-004
tblVehicleEF	LHD2	0.11	0.15
tblVehicleEF	LHD2	0.24	0.30
tblVehicleEF	LHD2	0.18	0.25
tblVehicleEF	LHD2	9.3200e-004	9.6400e-004
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	9.7060e-003	0.01
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.80	1.11
tblVehicleEF	LHD2	1.52	1.89
tblVehicleEF	LHD2	657.39	658.41
tblVehicleEF	LHD2	26.95	26.60
tblVehicleEF	LHD2	4.5480e-003	4.5640e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.11	1.53
tblVehicleEF	LHD2	0.67	0.76
tblVehicleEF	LHD2	1.1160e-003	1.1420e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1900e-004	5.0100e-004
tblVehicleEF	LHD2	1.0270e-003	1.0510e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.5360e-003	2.5350e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.9600e-004	4.6400e-004
tblVehicleEF	LHD2	2.4020e-003	2.9310e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3550e-003	1.5390e-003
tblVehicleEF	LHD2	0.09	0.13
tblVehicleEF	LHD2	0.24	0.29
tblVehicleEF	LHD2	0.14	0.19
tblVehicleEF	LHD2	7.1750e-003	7.1910e-003

tblVehicleEF	LHD2	3.2700e-004	3.3100e-004
tblVehicleEF	LHD2	2.4020e-003	2.9310e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3550e-003	1.5390e-003
tblVehicleEF	LHD2	0.11	0.15
tblVehicleEF	LHD2	0.24	0.29
tblVehicleEF	LHD2	0.15	0.20
tblVehicleEF	LHD2	9.3200e-004	9.6400e-004
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7060e-003	0.01
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.79	1.08
tblVehicleEF	LHD2	2.84	3.54
tblVehicleEF	LHD2	657.39	658.41
tblVehicleEF	LHD2	26.95	26.60
tblVehicleEF	LHD2	4.5480e-003	4.5640e-003
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	1.18	1.63
tblVehicleEF	LHD2	0.77	0.86
tblVehicleEF	LHD2	1.1160e-003	1.1420e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1900e-004	5.0100e-004
tblVehicleEF	LHD2	1.0270e-003	1.0510e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	2.5360e-003	2.5350e-003

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.9600e-004	4.6400e-004
tblVehicleEF	LHD2	4.3500e-004	4.6700e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1800e-004	3.2900e-004
tblVehicleEF	LHD2	0.09	0.13
tblVehicleEF	LHD2	0.27	0.34
tblVehicleEF	LHD2	0.20	0.27
tblVehicleEF	LHD2	7.1750e-003	7.1900e-003
tblVehicleEF	LHD2	3.5000e-004	3.5900e-004
tblVehicleEF	LHD2	4.3500e-004	4.6700e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.1800e-004	3.2900e-004
tblVehicleEF	LHD2	0.11	0.15
tblVehicleEF	LHD2	0.27	0.34
tblVehicleEF	LHD2	0.21	0.29
tblVehicleEF	MCY	24.39	20.42
tblVehicleEF	MCY	11.21	10.22
tblVehicleEF	MCY	150.64	174.21
tblVehicleEF	MCY	37.25	46.30
tblVehicleEF	MCY	5.6760e-003	0.03
tblVehicleEF	MCY	1.23	1.17
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	0.04	0.01
tblVehicleEF	MCY	8.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.8600e-004	2.1037e-003

tblVehicleEF	MCY	7.7900e-004	4.2285e-003
tblVehicleEF	MCY	0.02	5.0400e-003
tblVehicleEF	MCY	2.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.4500e-004	1.9696e-003
tblVehicleEF	MCY	6.6600e-004	3.9930e-003
tblVehicleEF	MCY	0.59	1.62
tblVehicleEF	MCY	0.35	0.76
tblVehicleEF	MCY	0.33	1.01
tblVehicleEF	MCY	2.67	2.36
tblVehicleEF	MCY	1.22	2.50
tblVehicleEF	MCY	2.23	2.28
tblVehicleEF	MCY	2.1400e-003	2.1446e-003
tblVehicleEF	MCY	6.6000e-004	6.9729e-004
tblVehicleEF	MCY	0.59	0.59
tblVehicleEF	MCY	0.35	0.37
tblVehicleEF	MCY	0.33	0.33
tblVehicleEF	MCY	2.92	2.97
tblVehicleEF	MCY	1.22	1.34
tblVehicleEF	MCY	2.39	2.43
tblVehicleEF	MCY	22.97	24.10
tblVehicleEF	MCY	8.82	8.79
tblVehicleEF	MCY	150.64	148.31
tblVehicleEF	MCY	37.25	38.43
tblVehicleEF	MCY	5.6760e-003	5.6840e-003
tblVehicleEF	MCY	1.07	1.08
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.8600e-004	3.7200e-004
tblVehicleEF	MCY	7.7900e-004	1.0700e-003

tblVehicleEF	MCY	2.4500e-004	3.1100e-004
tblVehicleEF	MCY	6.6600e-004	8.8300e-004
tblVehicleEF	MCY	1.80	1.81
tblVehicleEF	MCY	0.52	0.54
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	2.57	2.60
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	1.79	1.81
tblVehicleEF	MCY	2.1150e-003	2.1080e-003
tblVehicleEF	MCY	6.0900e-004	6.2200e-004
tblVehicleEF	MCY	1.80	1.81
tblVehicleEF	MCY	0.52	0.54
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	2.81	2.85
tblVehicleEF	MCY	1.10	1.22
tblVehicleEF	MCY	1.92	1.94
tblVehicleEF	MCY	26.55	27.96
tblVehicleEF	MCY	13.38	13.16
tblVehicleEF	MCY	150.64	148.31
tblVehicleEF	MCY	37.25	38.43
tblVehicleEF	MCY	5.6760e-003	5.6840e-003
tblVehicleEF	MCY	1.31	1.33
tblVehicleEF	MCY	0.34	0.34
tblVehicleEF	MCY	2.8600e-004	3.7200e-004
tblVehicleEF	MCY	7.7900e-004	1.0700e-003
tblVehicleEF	MCY	2.4500e-004	3.1100e-004
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tblVehicleEF	MCY	0.14	0.14

tblVehicleEF	MCY	0.41	0.43
tblVehicleEF	MCY	0.10	0.10
tblVehicleEF	MCY	2.77	2.83
tblVehicleEF	MCY	1.53	1.66
tblVehicleEF	MCY	2.61	2.66
tblVehicleEF	MCY	2.1770e-003	2.1750e-003
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tblVehicleEF	MCY	0.14	0.14
tblVehicleEF	MCY	0.41	0.43
tblVehicleEF	MCY	0.10	0.10
tblVehicleEF	MCY	3.03	3.09
tblVehicleEF	MCY	1.53	1.66
tblVehicleEF	MCY	2.80	2.86
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.38	1.15
tblVehicleEF	MDV	3.86	3.21
tblVehicleEF	MDV	447.62	472.69
tblVehicleEF	MDV	98.69	105.82
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.20	0.15
tblVehicleEF	MDV	0.32	0.28
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.0280e-003	1.9055e-003
tblVehicleEF	MDV	4.0140e-003	2.5728e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003



tblVehicleEF	MDV	1.8810e-003	1.7561e-003
tblVehicleEF	MDV	3.7240e-003	2.3661e-003
tblVehicleEF	MDV	0.07	0.36
tblVehicleEF	MDV	0.21	0.18
tblVehicleEF	MDV	0.07	0.38
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.64	0.58
tblVehicleEF	MDV	0.30	0.25
tblVehicleEF	MDV	5.9290e-003	4.7341e-003
tblVehicleEF	MDV	1.3450e-003	1.1147e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.64	0.68
tblVehicleEF	MDV	0.32	0.44
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.62	2.15
tblVehicleEF	MDV	2.55	3.38
tblVehicleEF	MDV	482.76	505.78
tblVehicleEF	MDV	98.69	103.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.17	0.23
tblVehicleEF	MDV	0.28	0.38
tblVehicleEF	MDV	2.0280e-003	2.1340e-003
tblVehicleEF	MDV	4.0140e-003	3.7390e-003
tblVehicleEF	MDV	1.8810e-003	1.9730e-003

tblVehicleEF	MDV	3.7240e-003	3.4600e-003
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.22	0.23
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.60	0.63
tblVehicleEF	MDV	0.23	0.31
tblVehicleEF	MDV	6.3980e-003	6.3950e-003
tblVehicleEF	MDV	1.3220e-003	1.3310e-003
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.22	0.23
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.60	0.63
tblVehicleEF	MDV	0.24	0.33
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.36	1.87
tblVehicleEF	MDV	4.74	6.23
tblVehicleEF	MDV	444.10	465.49
tblVehicleEF	MDV	98.69	103.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.21	0.29
tblVehicleEF	MDV	0.35	0.47
tblVehicleEF	MDV	2.0280e-003	2.1340e-003
tblVehicleEF	MDV	4.0140e-003	3.7390e-003
tblVehicleEF	MDV	1.8810e-003	1.9730e-003
tblVehicleEF	MDV	3.7240e-003	3.4600e-003

tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.03	0.05
tblVehicleEF	MDV	0.78	0.82
tblVehicleEF	MDV	0.35	0.48
tblVehicleEF	MDV	5.8820e-003	5.8810e-003
tblVehicleEF	MDV	1.3600e-003	1.3810e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.21	0.22
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.78	0.82
tblVehicleEF	MDV	0.38	0.52
tblVehicleEF	MH	1.01	2.68
tblVehicleEF	MH	6.18	6.49
tblVehicleEF	MH	665.11	1,221.84
tblVehicleEF	MH	28.78	60.03
tblVehicleEF	MH	1.4000e-003	3.0321e-003
tblVehicleEF	MH	1.03	1.36
tblVehicleEF	MH	0.67	0.91
tblVehicleEF	MH	0.05	0.13
tblVehicleEF	MH	8.4680e-003	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	1.2496e-003
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	2.1170e-003	3.2009e-003
tblVehicleEF	MH	0.02	0.02

tblVehicleEF	MH	4.2600e-004	1.1489e-003
tblVehicleEF	MH	0.56	0.08
tblVehicleEF	MH	0.05	0.08
tblVehicleEF	MH	0.24	0.03
tblVehicleEF	MH	0.06	0.11
tblVehicleEF	MH	1.29	2.04
tblVehicleEF	MH	0.32	0.37
tblVehicleEF	MH	7.3310e-003	0.01
tblVehicleEF	MH	4.2600e-004	7.1323e-004
tblVehicleEF	MH	0.56	0.77
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.08	0.13
tblVehicleEF	MH	1.29	1.92
tblVehicleEF	MH	0.34	0.47
tblVehicleEF	MH	1.05	2.42
tblVehicleEF	MH	4.17	5.43
tblVehicleEF	MH	665.11	664.76
tblVehicleEF	MH	28.78	28.97
tblVehicleEF	MH	1.4000e-003	1.4180e-003
tblVehicleEF	MH	0.96	1.24
tblVehicleEF	MH	0.62	0.75
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	8.2600e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	7.5600e-004

tblVehicleEF	MH	1.37	1.92
tblVehicleEF	MH	0.06	0.08
tblVehicleEF	MH	0.51	0.66
tblVehicleEF	MH	0.06	0.11
tblVehicleEF	MH	1.25	1.86
tblVehicleEF	MH	0.25	0.34
tblVehicleEF	MH	7.3320e-003	7.3510e-003
tblVehicleEF	MH	3.9300e-004	4.1700e-004
tblVehicleEF	MH	1.37	1.92
tblVehicleEF	MH	0.06	0.08
tblVehicleEF	MH	0.51	0.66
tblVehicleEF	MH	0.08	0.13
tblVehicleEF	MH	1.25	1.86
tblVehicleEF	MH	0.27	0.36
tblVehicleEF	MH	0.98	2.28
tblVehicleEF	MH	7.96	10.73
tblVehicleEF	MH	665.11	664.76
tblVehicleEF	MH	28.78	28.97
tblVehicleEF	MH	1.4000e-003	1.4180e-003
tblVehicleEF	MH	1.07	1.39
tblVehicleEF	MH	0.71	0.85
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	8.2600e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	7.5600e-004
tblVehicleEF	MH	0.23	0.28

tblVehicleEF	MH	0.06	0.09
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.06	0.10
tblVehicleEF	MH	1.40	2.07
tblVehicleEF	MH	0.37	0.52
tblVehicleEF	MH	7.3310e-003	7.3490e-003
tblVehicleEF	MH	4.5600e-004	5.0600e-004
tblVehicleEF	MH	0.23	0.28
tblVehicleEF	MH	0.06	0.09
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MH	0.08	0.13
tblVehicleEF	MH	1.40	2.07
tblVehicleEF	MH	0.40	0.56
tblVehicleEF	MHD	8.2190e-003	7.6250e-003
tblVehicleEF	MHD	4.7320e-003	5.4130e-003
tblVehicleEF	MHD	2.09	1.23
tblVehicleEF	MHD	0.49	0.38
tblVehicleEF	MHD	13.77	0.00
tblVehicleEF	MHD	572.65	652.26
tblVehicleEF	MHD	1,004.94	1,196.10
tblVehicleEF	MHD	49.32	9.07
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.33	2.57
tblVehicleEF	MHD	0.99	1.64
tblVehicleEF	MHD	1.43	0.14
tblVehicleEF	MHD	7.6380e-003	3.2947e-003
tblVehicleEF	MHD	0.12	0.13
tblVehicleEF	MHD	0.01	0.01

tblVehicleEF	MHD	0.03	8.7173e-003
tblVehicleEF	MHD	1.0610e-003	1.3567e-004
tblVehicleEF	MHD	7.0270e-003	3.2947e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	2.8910e-003	3.0000e-003
tblVehicleEF	MHD	0.03	8.3363e-003
tblVehicleEF	MHD	9.8500e-004	1.2474e-004
tblVehicleEF	MHD	1.5750e-003	2.8448e-003
tblVehicleEF	MHD	0.08	7.2773e-003
tblVehicleEF	MHD	0.18	0.09
tblVehicleEF	MHD	9.7900e-004	1.6264e-003
tblVehicleEF	MHD	0.11	0.06
tblVehicleEF	MHD	0.44	0.04
tblVehicleEF	MHD	0.76	0.06
tblVehicleEF	MHD	6.0700e-003	6.2599e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8700e-004	1.0806e-004
tblVehicleEF	MHD	1.5750e-003	1.8870e-003
tblVehicleEF	MHD	0.08	0.09
tblVehicleEF	MHD	0.20	0.19
tblVehicleEF	MHD	9.7900e-004	1.0890e-003
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	0.44	0.50
tblVehicleEF	MHD	0.81	1.10
tblVehicleEF	MHD	7.7450e-003	7.1860e-003
tblVehicleEF	MHD	4.7320e-003	5.4130e-003
tblVehicleEF	MHD	1.52	1.39
tblVehicleEF	MHD	0.50	0.69

tblVehicleEF	MHD	9.39	12.44
tblVehicleEF	MHD	606.67	605.99
tblVehicleEF	MHD	1,004.94	1,006.95
tblVehicleEF	MHD	49.32	49.71
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.43	4.78
tblVehicleEF	MHD	0.95	1.78
tblVehicleEF	MHD	1.33	1.68
tblVehicleEF	MHD	6.4380e-003	0.01
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	1.0610e-003	1.6720e-003
tblVehicleEF	MHD	5.9230e-003	9.2440e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8910e-003	2.8860e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	9.8500e-004	1.5290e-003
tblVehicleEF	MHD	3.9820e-003	4.9690e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.17	0.15
tblVehicleEF	MHD	2.1900e-003	2.6080e-003
tblVehicleEF	MHD	0.11	0.13
tblVehicleEF	MHD	0.42	0.48
tblVehicleEF	MHD	0.61	0.81
tblVehicleEF	MHD	6.4310e-003	6.4240e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.1400e-004	7.7200e-004



tblVehicleEF	MHD	3.9820e-003	4.9690e-003
tblVehicleEF	MHD	0.09	0.10
tblVehicleEF	MHD	0.19	0.18
tblVehicleEF	MHD	2.1900e-003	2.6080e-003
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	0.42	0.48
tblVehicleEF	MHD	0.65	0.87
tblVehicleEF	MHD	8.8720e-003	8.2320e-003
tblVehicleEF	MHD	4.7320e-003	5.4130e-003
tblVehicleEF	MHD	2.88	2.63
tblVehicleEF	MHD	0.49	0.67
tblVehicleEF	MHD	17.59	23.57
tblVehicleEF	MHD	525.67	525.08
tblVehicleEF	MHD	1,004.94	1,006.95
tblVehicleEF	MHD	49.32	49.71
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.18	4.43
tblVehicleEF	MHD	1.01	1.90
tblVehicleEF	MHD	1.51	1.91
tblVehicleEF	MHD	9.2930e-003	0.01
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	1.0610e-003	1.6720e-003
tblVehicleEF	MHD	8.5500e-003	0.01
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8910e-003	2.8860e-003
tblVehicleEF	MHD	0.03	0.04

tblVehicleEF	MHD	9.8500e-004	1.5290e-003
tblVehicleEF	MHD	6.4200e-004	6.8900e-004
tblVehicleEF	MHD	0.08	0.10
tblVehicleEF	MHD	0.19	0.18
tblVehicleEF	MHD	4.5900e-004	4.7200e-004
tblVehicleEF	MHD	0.11	0.13
tblVehicleEF	MHD	0.49	0.56
tblVehicleEF	MHD	0.88	1.21
tblVehicleEF	MHD	5.5720e-003	5.5660e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	8.5100e-004	9.5900e-004
tblVehicleEF	MHD	6.4200e-004	6.8900e-004
tblVehicleEF	MHD	0.08	0.10
tblVehicleEF	MHD	0.22	0.20
tblVehicleEF	MHD	4.5900e-004	4.7200e-004
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	0.49	0.56
tblVehicleEF	MHD	0.94	1.29
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	2.9530e-003	2.9570e-003
tblVehicleEF	OBUS	3.30	4.88
tblVehicleEF	OBUS	0.83	1.00
tblVehicleEF	OBUS	9.00	6.83
tblVehicleEF	OBUS	533.48	363.37
tblVehicleEF	OBUS	1,045.10	1,247.14
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tblVehicleEF	OBUS	1.8110e-003	6.3189e-004
tblVehicleEF	OBUS	3.20	0.05

tblVehicleEF	OBUS	1.12	0.30
tblVehicleEF	OBUS	1.18	1.13
tblVehicleEF	OBUS	8.7920e-003	0.00
tblVehicleEF	OBUS	0.10	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	1.1536e-003
tblVehicleEF	OBUS	4.5100e-004	9.4119e-004
tblVehicleEF	OBUS	8.0890e-003	0.00
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.6290e-003	3.0000e-003
tblVehicleEF	OBUS	0.03	1.0607e-003
tblVehicleEF	OBUS	4.1900e-004	8.6539e-004
tblVehicleEF	OBUS	6.8200e-004	0.03
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.56	0.58
tblVehicleEF	OBUS	3.4900e-004	0.01
tblVehicleEF	OBUS	0.12	0.04
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tblVehicleEF	OBUS	0.52	0.42
tblVehicleEF	OBUS	5.6550e-003	3.7286e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.2100e-004	8.6013e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.64	0.53
tblVehicleEF	OBUS	3.4900e-004	3.3500e-004
tblVehicleEF	OBUS	0.15	0.17
tblVehicleEF	OBUS	0.31	0.31
tblVehicleEF	OBUS	0.55	0.69

tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	2.9530e-003	2.9570e-003
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tblVehicleEF	OBUS	565.17	566.66
tblVehicleEF	OBUS	1,045.10	1,039.91
tblVehicleEF	OBUS	32.73	32.82
tblVehicleEF	OBUS	1.8110e-003	1.7890e-003
tblVehicleEF	OBUS	3.30	4.79
tblVehicleEF	OBUS	1.06	2.21
tblVehicleEF	OBUS	1.09	1.34
tblVehicleEF	OBUS	7.4120e-003	8.0480e-003
tblVehicleEF	OBUS	0.10	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	4.5100e-004	6.0300e-004
tblVehicleEF	OBUS	6.8190e-003	7.4040e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.6290e-003	2.6130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	4.1900e-004	5.5500e-004
tblVehicleEF	OBUS	1.6210e-003	1.6590e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.53	0.44
tblVehicleEF	OBUS	7.4200e-004	7.4100e-004
tblVehicleEF	OBUS	0.13	0.15
tblVehicleEF	OBUS	0.30	0.30

tblVehicleEF	OBUS	0.42	0.52
tblVehicleEF	OBUS	5.9910e-003	6.0070e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	4.7300e-004	5.0000e-004
tblVehicleEF	OBUS	1.6210e-003	1.6590e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.60	0.50
tblVehicleEF	OBUS	7.4200e-004	7.4100e-004
tblVehicleEF	OBUS	0.15	0.17
tblVehicleEF	OBUS	0.30	0.30
tblVehicleEF	OBUS	0.44	0.55
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	2.9530e-003	2.9570e-003
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tblVehicleEF	OBUS	489.71	491.00
tblVehicleEF	OBUS	1,045.10	1,039.91
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tblVehicleEF	OBUS	3.06	4.44
tblVehicleEF	OBUS	1.14	2.37
tblVehicleEF	OBUS	1.24	1.52
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.10	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	4.5100e-004	6.0300e-004

tblVehicleEF	OBUS	9.8420e-003	0.01
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.6290e-003	2.6130e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	4.1900e-004	5.5500e-004
tblVehicleEF	OBUS	3.2900e-004	3.1100e-004
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tblVehicleEF	OBUS	0.60	0.50
tblVehicleEF	OBUS	1.8300e-004	1.7100e-004
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tblVehicleEF	OBUS	0.34	0.34
tblVehicleEF	OBUS	0.60	0.75
tblVehicleEF	OBUS	5.1910e-003	5.2050e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.6300e-004	6.1100e-004
tblVehicleEF	OBUS	3.2900e-004	3.1100e-004
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tblVehicleEF	OBUS	0.69	0.57
tblVehicleEF	OBUS	1.8300e-004	1.7100e-004
tblVehicleEF	OBUS	0.14	0.17
tblVehicleEF	OBUS	0.34	0.34
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tblVehicleEF	SBUS	5.1600e-003	4.6520e-003
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tblVehicleEF	SBUS	556.14	3,130.58

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tblVehicleEF	SBUS	1.8900e-004	2.8390e-004
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tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	3.0800e-003	9.8728e-004
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.20	0.32
tblVehicleEF	SBUS	2.6090e-003	2.5405e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	2.8580e-003	9.0777e-004
tblVehicleEF	SBUS	0.02	9.2866e-003
tblVehicleEF	SBUS	0.19	0.03
tblVehicleEF	SBUS	0.10	3.98
tblVehicleEF	SBUS	8.0390e-003	4.3057e-003
tblVehicleEF	SBUS	0.26	0.10
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tblVehicleEF	SBUS	0.01	9.6513e-003
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tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.19	0.25

tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	8.0390e-003	0.01
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tblVehicleEF	SBUS	4.5770e-003	4.1970e-003
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tblVehicleEF	SBUS	966.46	975.49
tblVehicleEF	SBUS	115.30	116.58
tblVehicleEF	SBUS	1.8900e-004	1.9900e-004
tblVehicleEF	SBUS	7.35	7.82
tblVehicleEF	SBUS	5.27	6.03
tblVehicleEF	SBUS	2.18	2.64
tblVehicleEF	SBUS	9.6400e-003	0.01
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0800e-003	5.6600e-003
tblVehicleEF	SBUS	8.8690e-003	0.01
tblVehicleEF	SBUS	0.20	0.20
tblVehicleEF	SBUS	2.6090e-003	2.6220e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	2.8580e-003	5.1250e-003
tblVehicleEF	SBUS	0.05	0.08



tblVehicleEF	SBUS	0.19	0.26
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.27	0.49
tblVehicleEF	SBUS	2.24	2.58
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tblVehicleEF	SBUS	6.2460e-003	6.1430e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6320e-003	1.7980e-003
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tblVehicleEF	SBUS	0.19	0.26
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tblVehicleEF	SBUS	5.1600e-003	4.6520e-003
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tblVehicleEF	SBUS	966.46	975.49
tblVehicleEF	SBUS	115.30	116.58
tblVehicleEF	SBUS	1.8900e-004	1.9900e-004
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tblVehicleEF	SBUS	5.65	6.50
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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
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tblVehicleEF	SBUS	0.20	0.20
tblVehicleEF	SBUS	2.6090e-003	2.6220e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	2.8580e-003	5.1250e-003
tblVehicleEF	SBUS	7.5090e-003	9.9620e-003
tblVehicleEF	SBUS	0.21	0.29
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	3.8800e-003	5.0810e-003
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tblVehicleEF	SBUS	3.14	3.57
tblVehicleEF	SBUS	1.66	2.53
tblVehicleEF	SBUS	5.4120e-003	5.3230e-003
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tblVehicleEF	SBUS	1.8050e-003	2.0860e-003
tblVehicleEF	SBUS	7.5090e-003	9.9620e-003
tblVehicleEF	SBUS	0.21	0.29
tblVehicleEF	SBUS	0.13	0.12
tblVehicleEF	SBUS	3.8800e-003	5.0810e-003
tblVehicleEF	SBUS	0.30	0.51
tblVehicleEF	SBUS	3.14	3.57
tblVehicleEF	SBUS	1.77	2.71
tblVehicleEF	UBUS	3.48	6.68

tblVehicleEF	UBUS	4.88	7.29
tblVehicleEF	UBUS	2,139.09	2,229.99
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tblVehicleEF	UBUS	3.5990e-003	6.4089e-004
tblVehicleEF	UBUS	13.62	16.16
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tblVehicleEF	UBUS	0.78	0.68
tblVehicleEF	UBUS	8.0000e-003	0.01
tblVehicleEF	UBUS	0.23	0.34
tblVehicleEF	UBUS	2.1800e-004	8.2299e-004
tblVehicleEF	UBUS	0.34	0.29
tblVehicleEF	UBUS	2.0000e-003	3.0000e-003
tblVehicleEF	UBUS	0.21	0.32
tblVehicleEF	UBUS	2.0200e-004	7.5671e-004
tblVehicleEF	UBUS	1.6400e-003	8.9601e-003
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	7.8000e-004	4.3620e-003
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tblVehicleEF	UBUS	0.39	0.44
tblVehicleEF	UBUS	0.37	0.54
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.9800e-004	8.3769e-004
tblVehicleEF	UBUS	1.6400e-003	1.5960e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	7.8000e-004	7.6300e-004
tblVehicleEF	UBUS	0.68	0.70
tblVehicleEF	UBUS	0.39	0.34
tblVehicleEF	UBUS	0.39	0.39

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tblVehicleEF	UBUS	3.59	3.64
tblVehicleEF	UBUS	2,139.09	2,150.04
tblVehicleEF	UBUS	9.91	9.91
tblVehicleEF	UBUS	3.5990e-003	3.6610e-003
tblVehicleEF	UBUS	13.06	13.56
tblVehicleEF	UBUS	0.58	0.58
tblVehicleEF	UBUS	0.23	0.24
tblVehicleEF	UBUS	2.1800e-004	2.2200e-004
tblVehicleEF	UBUS	0.21	0.22
tblVehicleEF	UBUS	2.0200e-004	2.0600e-004
tblVehicleEF	UBUS	4.1930e-003	4.1030e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.6980e-003	1.6920e-003
tblVehicleEF	UBUS	0.61	0.63
tblVehicleEF	UBUS	0.36	0.31
tblVehicleEF	UBUS	0.31	0.30
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.7600e-004	1.7700e-004
tblVehicleEF	UBUS	4.1930e-003	4.1030e-003
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	1.6980e-003	1.6920e-003
tblVehicleEF	UBUS	0.69	0.71
tblVehicleEF	UBUS	0.36	0.31
tblVehicleEF	UBUS	0.33	0.32
tblVehicleEF	UBUS	3.45	3.51
tblVehicleEF	UBUS	6.00	6.08
tblVehicleEF	UBUS	2,139.09	2,150.04

tblVehicleEF	UBUS	9.91	9.91
tblVehicleEF	UBUS	3.5990e-003	3.6610e-003
tblVehicleEF	UBUS	13.85	14.37
tblVehicleEF	UBUS	0.67	0.66
tblVehicleEF	UBUS	0.23	0.24
tblVehicleEF	UBUS	2.1800e-004	2.2200e-004
tblVehicleEF	UBUS	0.21	0.22
tblVehicleEF	UBUS	2.0200e-004	2.0600e-004
tblVehicleEF	UBUS	5.9400e-004	5.7400e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	3.5600e-004	3.4400e-004
tblVehicleEF	UBUS	0.60	0.61
tblVehicleEF	UBUS	0.48	0.41
tblVehicleEF	UBUS	0.42	0.42
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.1700e-004	2.1900e-004
tblVehicleEF	UBUS	5.9400e-004	5.7400e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	3.5600e-004	3.4400e-004
tblVehicleEF	UBUS	0.67	0.69
tblVehicleEF	UBUS	0.48	0.41
tblVehicleEF	UBUS	0.45	0.44
tblVehicleTrips	CC_TL	7.30	5.70
tblVehicleTrips	CC_TL	7.30	5.70
tblVehicleTrips	CC_TL	7.30	5.70
tblVehicleTrips	CNW_TL	7.30	5.70
tblVehicleTrips	CNW_TL	7.30	5.70
tblVehicleTrips	CNW_TL	7.30	5.70

tblVehicleTrips	CW_TL	9.50	5.70
tblVehicleTrips	CW_TL	9.50	5.70
tblVehicleTrips	CW_TL	9.50	5.70
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	39.00	35.00
tblVehicleTrips	DV_TP	20.00	35.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	30.00	35.00
tblVehicleTrips	HO_TL	5.40	5.70
tblVehicleTrips	HO_TL	5.40	5.70
tblVehicleTrips	HS_TL	4.30	5.70
tblVehicleTrips	HS_TL	4.30	5.70
tblVehicleTrips	HW_TL	12.40	5.70
tblVehicleTrips	HW_TL	12.40	5.70
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	9.00	11.00
tblVehicleTrips	PB_TP	43.00	11.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	36.00	11.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	52.00	54.00
tblVehicleTrips	PR_TP	37.00	54.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	34.00	54.00
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	7.16	6.12
tblVehicleTrips	ST_TR	20.87	44.73
tblVehicleTrips	ST_TR	158.37	88.02



tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	0.00	13,863,991.00
tblWater	IndoorWaterUseRate	15,115,733.94	11,998,744.00
tblWater	IndoorWaterUseRate	828,004.02	650,195.00
tblWater	IndoorWaterUseRate	1,821,202.27	943,264.00
tblWater	IndoorWaterUseRate	6,515,402.56	5,171,872.00
tblWater	IndoorWaterUseRate	8,135,702.18	4,083,442.00
tblWater	OutdoorWaterUseRate	28,476,404.26	0.00
tblWater	OutdoorWaterUseRate	9,529,484.44	0.00
tblWater	OutdoorWaterUseRate	507,486.33	0.00
tblWater	OutdoorWaterUseRate	116,246.95	0.00
tblWater	OutdoorWaterUseRate	4,107,536.40	0.00
tblWater	OutdoorWaterUseRate	251,619.66	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	1.16	0.00
tblWoodstoves	NumberCatalytic	3.50	0.00
tblWoodstoves	NumberNoncatalytic	1.16	0.00
tblWoodstoves	NumberNoncatalytic	3.50	0.00

## 2.0 Emissions Summary



**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.7815	8.3700	6.7417	0.0108	2.1056	0.3653	2.4708	0.6121	0.3374	0.9495	0.0000	969.5546	969.5546	0.1750	0.0000	973.2296
2018	1.3486	8.2341	15.1510	0.0309	1.5830	0.3026	1.8856	0.4277	0.2832	0.7109	0.0000	2,456.6310	2,456.6310	0.1535	0.0000	2,459.8538
2019	1.2171	7.4717	14.1831	0.0309	1.5830	0.2655	1.8484	0.4277	0.2484	0.6761	0.0000	2,396.5059	2,396.5059	0.1479	0.0000	2,399.6117
2020	1.1165	6.6179	13.4596	0.0309	1.5880	0.2333	1.8213	0.4291	0.2183	0.6473	0.0000	2,334.0844	2,334.0844	0.1439	0.0000	2,337.1061
2021	11.7584	3.5267	7.5233	0.0177	0.8854	0.1340	1.0193	0.2389	0.1251	0.3641	0.0000	1,328.1867	1,328.1867	0.0993	0.0000	1,330.2709
<b>Total</b>	<b>16.2221</b>	<b>34.2205</b>	<b>57.0586</b>	<b>0.1212</b>	<b>7.7449</b>	<b>1.3006</b>	<b>9.0455</b>	<b>2.1355</b>	<b>1.2123</b>	<b>3.3478</b>	<b>0.0000</b>	<b>9,484.9625</b>	<b>9,484.9625</b>	<b>0.7195</b>	<b>0.0000</b>	<b>9,500.0720</b>



**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	9.2930	0.0285	2.4698	1.3000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	18.7752	18.7752	4.1800e-003	2.7000e-004	18.9467
Energy	0.0642	0.5598	0.3156	3.5000e-003		0.0444	0.0444		0.0444	0.0444	0.0000	1,239.7638	1,239.7638	0.0726	0.0242	1,248.7763
Mobile	5.9358	6.4646	26.5270	0.0607	5.0448	0.0539	5.0987	1.3488	0.0505	1.3993	0.0000	5,550.3383	5,550.3383	0.1969	0.0000	5,554.4730
Waste						0.0000	0.0000		0.0000	0.0000	16.3590	0.0000	16.3590	0.9668	0.0000	36.6617
Water						0.0000	0.0000		0.0000	0.0000	12.9886	26.1303	39.1188	0.0473	0.0288	49.0364
<b>Total</b>	<b>15.2930</b>	<b>7.0529</b>	<b>29.3124</b>	<b>0.0644</b>	<b>5.0448</b>	<b>0.1130</b>	<b>5.1577</b>	<b>1.3488</b>	<b>0.1095</b>	<b>1.4583</b>	<b>29.3476</b>	<b>6,835.0076</b>	<b>6,864.3552</b>	<b>1.2878</b>	<b>0.0532</b>	<b>6,907.8941</b>

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.2930	0.0285	2.4698	1.3000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	18.7752	18.7752	4.1800e-003	2.7000e-004	18.9467
Energy	0.0642	0.5598	0.3156	3.5000e-003		0.0444	0.0444		0.0444	0.0444	0.0000	1,239.7638	1,239.7638	0.0726	0.0242	1,248.7763
Mobile	5.9358	6.4646	26.5270	0.0607	5.0448	0.0539	5.0987	1.3488	0.0505	1.3993	0.0000	5,550.3383	5,550.3383	0.1969	0.0000	5,554.4730
Waste						0.0000	0.0000		0.0000	0.0000	16.3590	0.0000	16.3590	0.9668	0.0000	36.6617
Water						0.0000	0.0000		0.0000	0.0000	12.9886	26.1303	39.1188	0.0471	0.0287	49.0156
<b>Total</b>	<b>15.2930</b>	<b>7.0529</b>	<b>29.3124</b>	<b>0.0644</b>	<b>5.0448</b>	<b>0.1130</b>	<b>5.1577</b>	<b>1.3488</b>	<b>0.1095</b>	<b>1.4583</b>	<b>29.3476</b>	<b>6,835.0076</b>	<b>6,864.3552</b>	<b>1.2876</b>	<b>0.0532</b>	<b>6,907.8734</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>0.00</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>	<b>0.00</b>	<b>0.00</b>	<b>0.02</b>	<b>0.09</b>	<b>0.00</b>

### 2.3 Vegetation

#### Vegetation

	CO2e
Category	MT
New Trees	667.9400
Vegetation Land Change	-215.5000
<b>Total</b>	<b>452.4400</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	4/1/2017	7/14/2017	6	90	Demo and Off-Site Hauling
2	Site Preparation	Site Preparation	6/22/2017	8/7/2017	6	40	
3	Grading	Grading	8/8/2017	12/14/2017	6	111	
4	Building Construction	Building Construction	12/15/2017	7/8/2021	6	1116	
5	Paving	Paving	7/9/2021	10/4/2021	6	75	
6	Architectural Coating	Architectural Coating	10/5/2021	12/30/2021	6	75	

**Acres of Grading (Site Preparation Phase): 67.6**

**Acres of Grading (Grading Phase): 67.6**

**Acres of Paving: 0**

**Residential Indoor: 834,300; Residential Outdoor: 278,100; Non-Residential Indoor: 2,367,552; Non-Residential Outdoor: 789,184  
(Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	0	0.00	85	0.78
Demolition	Excavators	3	8.00	162	0.38
Demolition	Generator Sets	0	0.00	84	0.74
Demolition	Off-Highway Trucks	0	0.00	400	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Demolition	Rubber Tired Loaders	0	0.00	199	0.36
Demolition	Skid Steer Loaders	0	0.00	64	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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	6	15.00	0.00	7,610.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	780.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	895.00	308.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	179.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Demolition - 2017**

**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					1.1769	0.0000	1.1769	0.1782	0.0000	0.1782	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1822	1.9214	1.5252	1.8000e-003		0.0956	0.0956		0.0891	0.0891	0.0000	164.7820	164.7820	0.0452	0.0000	165.7313
<b>Total</b>	<b>0.1822</b>	<b>1.9214</b>	<b>1.5252</b>	<b>1.8000e-003</b>	<b>1.1769</b>	<b>0.0956</b>	<b>1.2726</b>	<b>0.1782</b>	<b>0.0891</b>	<b>0.2673</b>	<b>0.0000</b>	<b>164.7820</b>	<b>164.7820</b>	<b>0.0452</b>	<b>0.0000</b>	<b>165.7313</b>

### 3.2 Demolition - 2017

#### 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	0.0813	1.0235	0.9065	2.8700e-003	0.0642	0.0132	0.0774	0.0177	0.0121	0.0298	0.0000	258.0702	258.0702	1.8800e-003	0.0000	258.1097
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	3.4200e-003	0.0328	7.0000e-005	6.1300e-003	5.0000e-005	6.1800e-003	1.6300e-003	5.0000e-005	1.6800e-003	0.0000	5.3608	5.3608	2.9000e-004	0.0000	5.3668
<b>Total</b>	<b>0.0836</b>	<b>1.0269</b>	<b>0.9393</b>	<b>2.9400e-003</b>	<b>0.0703</b>	<b>0.0132</b>	<b>0.0836</b>	<b>0.0193</b>	<b>0.0122</b>	<b>0.0315</b>	<b>0.0000</b>	<b>263.4310</b>	<b>263.4310</b>	<b>2.1700e-003</b>	<b>0.0000</b>	<b>263.4765</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					0.5296	0.0000	0.5296	0.0802	0.0000	0.0802	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1822	1.9214	1.5252	1.8000e-003		0.0956	0.0956		0.0891	0.0891	0.0000	164.7818	164.7818	0.0452	0.0000	165.7311
<b>Total</b>	<b>0.1822</b>	<b>1.9214</b>	<b>1.5252</b>	<b>1.8000e-003</b>	<b>0.5296</b>	<b>0.0956</b>	<b>0.6253</b>	<b>0.0802</b>	<b>0.0891</b>	<b>0.1693</b>	<b>0.0000</b>	<b>164.7818</b>	<b>164.7818</b>	<b>0.0452</b>	<b>0.0000</b>	<b>165.7311</b>



### 3.2 Demolition - 2017

#### 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	0.0813	1.0235	0.9065	2.8700e-003	0.0642	0.0132	0.0774	0.0177	0.0121	0.0298	0.0000	258.0702	258.0702	1.8800e-003	0.0000	258.1097
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2900e-003	3.4200e-003	0.0328	7.0000e-005	6.1300e-003	5.0000e-005	6.1800e-003	1.6300e-003	5.0000e-005	1.6800e-003	0.0000	5.3608	5.3608	2.9000e-004	0.0000	5.3668
<b>Total</b>	<b>0.0836</b>	<b>1.0269</b>	<b>0.9393</b>	<b>2.9400e-003</b>	<b>0.0703</b>	<b>0.0132</b>	<b>0.0836</b>	<b>0.0193</b>	<b>0.0122</b>	<b>0.0315</b>	<b>0.0000</b>	<b>263.4310</b>	<b>263.4310</b>	<b>2.1700e-003</b>	<b>0.0000</b>	<b>263.4765</b>

### 3.3 Site Preparation - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3972	0.0000	0.3972	0.2025	0.0000	0.2025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	1.0351	0.7879	7.8000e-004		0.0551	0.0551		0.0507	0.0507	0.0000	72.6308	72.6308	0.0223	0.0000	73.0981
<b>Total</b>	<b>0.0968</b>	<b>1.0351</b>	<b>0.7879</b>	<b>7.8000e-004</b>	<b>0.3972</b>	<b>0.0551</b>	<b>0.4523</b>	<b>0.2025</b>	<b>0.0507</b>	<b>0.2532</b>	<b>0.0000</b>	<b>72.6308</b>	<b>72.6308</b>	<b>0.0223</b>	<b>0.0000</b>	<b>73.0981</b>

### 3.3 Site Preparation - 2017

#### 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	1.2200e-003	1.8200e-003	0.0175	4.0000e-005	3.2700e-003	3.0000e-005	3.2900e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.8591	2.8591	1.5000e-004	0.0000	2.8623
<b>Total</b>	<b>1.2200e-003</b>	<b>1.8200e-003</b>	<b>0.0175</b>	<b>4.0000e-005</b>	<b>3.2700e-003</b>	<b>3.0000e-005</b>	<b>3.2900e-003</b>	<b>8.7000e-004</b>	<b>2.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.8591</b>	<b>2.8591</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.8623</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					0.1787	0.0000	0.1787	0.0911	0.0000	0.0911	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	1.0351	0.7879	7.8000e-004		0.0551	0.0551		0.0507	0.0507	0.0000	72.6307	72.6307	0.0223	0.0000	73.0980
<b>Total</b>	<b>0.0968</b>	<b>1.0351</b>	<b>0.7879</b>	<b>7.8000e-004</b>	<b>0.1787</b>	<b>0.0551</b>	<b>0.2338</b>	<b>0.0911</b>	<b>0.0507</b>	<b>0.1418</b>	<b>0.0000</b>	<b>72.6307</b>	<b>72.6307</b>	<b>0.0223</b>	<b>0.0000</b>	<b>73.0980</b>

### 3.3 Site Preparation - 2017

#### 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	1.2200e-003	1.8200e-003	0.0175	4.0000e-005	3.2700e-003	3.0000e-005	3.2900e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.8591	2.8591	1.5000e-004	0.0000	2.8623
<b>Total</b>	<b>1.2200e-003</b>	<b>1.8200e-003</b>	<b>0.0175</b>	<b>4.0000e-005</b>	<b>3.2700e-003</b>	<b>3.0000e-005</b>	<b>3.2900e-003</b>	<b>8.7000e-004</b>	<b>2.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.8591</b>	<b>2.8591</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.8623</b>

### 3.4 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3704	0.0000	0.3704	0.1876	0.0000	0.1876	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3385	3.8624	2.5977	3.4200e-003		0.1841	0.1841		0.1694	0.1694	0.0000	317.8703	317.8703	0.0974	0.0000	319.9156
<b>Total</b>	<b>0.3385</b>	<b>3.8624</b>	<b>2.5977</b>	<b>3.4200e-003</b>	<b>0.3704</b>	<b>0.1841</b>	<b>0.5545</b>	<b>0.1876</b>	<b>0.1694</b>	<b>0.3570</b>	<b>0.0000</b>	<b>317.8703</b>	<b>317.8703</b>	<b>0.0974</b>	<b>0.0000</b>	<b>319.9156</b>

### 3.4 Grading - 2017

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.3400e-003	0.1049	0.0929	2.9000e-004	6.5800e-003	1.3500e-003	7.9300e-003	1.8100e-003	1.2400e-003	3.0500e-003	0.0000	26.4514	26.4514	1.9000e-004	0.0000	26.4554
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	5.6200e-003	0.0539	1.2000e-004	0.0101	8.0000e-005	0.0102	2.6800e-003	8.0000e-005	2.7600e-003	0.0000	8.8155	8.8155	4.7000e-004	0.0000	8.8254
<b>Total</b>	<b>0.0121</b>	<b>0.1105</b>	<b>0.1468</b>	<b>4.1000e-004</b>	<b>0.0167</b>	<b>1.4300e-003</b>	<b>0.0181</b>	<b>4.4900e-003</b>	<b>1.3200e-003</b>	<b>5.8100e-003</b>	<b>0.0000</b>	<b>35.2668</b>	<b>35.2668</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>35.2808</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					0.1667	0.0000	0.1667	0.0844	0.0000	0.0844	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3385	3.8624	2.5977	3.4200e-003		0.1841	0.1841		0.1694	0.1694	0.0000	317.8699	317.8699	0.0974	0.0000	319.9152
<b>Total</b>	<b>0.3385</b>	<b>3.8624</b>	<b>2.5977</b>	<b>3.4200e-003</b>	<b>0.1667</b>	<b>0.1841</b>	<b>0.3508</b>	<b>0.0844</b>	<b>0.1694</b>	<b>0.2538</b>	<b>0.0000</b>	<b>317.8699</b>	<b>317.8699</b>	<b>0.0974</b>	<b>0.0000</b>	<b>319.9152</b>

### 3.4 Grading - 2017

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.3400e-003	0.1049	0.0929	2.9000e-004	6.5800e-003	1.3500e-003	7.9300e-003	1.8100e-003	1.2400e-003	3.0500e-003	0.0000	26.4514	26.4514	1.9000e-004	0.0000	26.4554
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	5.6200e-003	0.0539	1.2000e-004	0.0101	8.0000e-005	0.0102	2.6800e-003	8.0000e-005	2.7600e-003	0.0000	8.8155	8.8155	4.7000e-004	0.0000	8.8254
<b>Total</b>	<b>0.0121</b>	<b>0.1105</b>	<b>0.1468</b>	<b>4.1000e-004</b>	<b>0.0167</b>	<b>1.4300e-003</b>	<b>0.0181</b>	<b>4.4900e-003</b>	<b>1.3200e-003</b>	<b>5.8100e-003</b>	<b>0.0000</b>	<b>35.2668</b>	<b>35.2668</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>35.2808</b>

### 3.5 Building Construction - 2017

#### 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	0.0217	0.1848	0.1269	1.9000e-004		0.0125	0.0125		0.0117	0.0117	0.0000	16.7635	16.7635	4.1300e-003	0.0000	16.8502
<b>Total</b>	<b>0.0217</b>	<b>0.1848</b>	<b>0.1269</b>	<b>1.9000e-004</b>		<b>0.0125</b>	<b>0.0125</b>		<b>0.0117</b>	<b>0.0117</b>	<b>0.0000</b>	<b>16.7635</b>	<b>16.7635</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>16.8502</b>

### 3.5 Building Construction - 2017

#### 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	0.0242	0.1953	0.2962	5.2000e-004	0.0139	2.8400e-003	0.0168	4.0000e-003	2.6100e-003	6.6200e-003	0.0000	46.1953	46.1953	3.6000e-004	0.0000	46.2029
Worker	0.0212	0.0317	0.3042	6.8000e-004	0.0569	4.6000e-004	0.0573	0.0151	4.3000e-004	0.0156	0.0000	49.7558	49.7558	2.6700e-003	0.0000	49.8120
<b>Total</b>	<b>0.0455</b>	<b>0.2271</b>	<b>0.6004</b>	<b>1.2000e-003</b>	<b>0.0708</b>	<b>3.3000e-003</b>	<b>0.0741</b>	<b>0.0191</b>	<b>3.0400e-003</b>	<b>0.0222</b>	<b>0.0000</b>	<b>95.9511</b>	<b>95.9511</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>96.0149</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	0.0217	0.1848	0.1269	1.9000e-004		0.0125	0.0125		0.0117	0.0117	0.0000	16.7635	16.7635	4.1300e-003	0.0000	16.8502
<b>Total</b>	<b>0.0217</b>	<b>0.1848</b>	<b>0.1269</b>	<b>1.9000e-004</b>		<b>0.0125</b>	<b>0.0125</b>		<b>0.0117</b>	<b>0.0117</b>	<b>0.0000</b>	<b>16.7635</b>	<b>16.7635</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>16.8502</b>

**3.5 Building Construction - 2017****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	0.0242	0.1953	0.2962	5.2000e-004	0.0139	2.8400e-003	0.0168	4.0000e-003	2.6100e-003	6.6200e-003	0.0000	46.1953	46.1953	3.6000e-004	0.0000	46.2029
Worker	0.0212	0.0317	0.3042	6.8000e-004	0.0569	4.6000e-004	0.0573	0.0151	4.3000e-004	0.0156	0.0000	49.7558	49.7558	2.6700e-003	0.0000	49.8120
<b>Total</b>	<b>0.0455</b>	<b>0.2271</b>	<b>0.6004</b>	<b>1.2000e-003</b>	<b>0.0708</b>	<b>3.3000e-003</b>	<b>0.0741</b>	<b>0.0191</b>	<b>3.0400e-003</b>	<b>0.0222</b>	<b>0.0000</b>	<b>95.9511</b>	<b>95.9511</b>	<b>3.0300e-003</b>	<b>0.0000</b>	<b>96.0149</b>

**3.5 Building Construction - 2018****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	0.4177	3.6403	2.7439	4.1900e-003		0.2339	0.2339		0.2199	0.2199	0.0000	370.5446	370.5446	0.0907	0.0000	372.4488
<b>Total</b>	<b>0.4177</b>	<b>3.6403</b>	<b>2.7439</b>	<b>4.1900e-003</b>		<b>0.2339</b>	<b>0.2339</b>		<b>0.2199</b>	<b>0.2199</b>	<b>0.0000</b>	<b>370.5446</b>	<b>370.5446</b>	<b>0.0907</b>	<b>0.0000</b>	<b>372.4488</b>

### 3.5 Building Construction - 2018

#### 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	0.5100	3.9562	6.3421	0.0115	0.3116	0.0588	0.3705	0.0895	0.0541	0.1436	0.0000	1,015.002 2	1,015.002 2	7.9200e- 003	0.0000	1,015.168 4
Worker	0.4210	0.6377	6.0650	0.0152	1.2713	9.9600e- 003	1.2813	0.3382	9.2100e- 003	0.3474	0.0000	1,071.084 3	1,071.084 3	0.0549	0.0000	1,072.236 6
<b>Total</b>	<b>0.9309</b>	<b>4.5938</b>	<b>12.4071</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0688</b>	<b>1.6518</b>	<b>0.4277</b>	<b>0.0633</b>	<b>0.4910</b>	<b>0.0000</b>	<b>2,086.086 5</b>	<b>2,086.086 5</b>	<b>0.0628</b>	<b>0.0000</b>	<b>2,087.405 0</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	0.4177	3.6403	2.7439	4.1900e- 003		0.2339	0.2339		0.2199	0.2199	0.0000	370.5441	370.5441	0.0907	0.0000	372.4484
<b>Total</b>	<b>0.4177</b>	<b>3.6403</b>	<b>2.7439</b>	<b>4.1900e- 003</b>		<b>0.2339</b>	<b>0.2339</b>		<b>0.2199</b>	<b>0.2199</b>	<b>0.0000</b>	<b>370.5441</b>	<b>370.5441</b>	<b>0.0907</b>	<b>0.0000</b>	<b>372.4484</b>



### 3.5 Building Construction - 2018

#### 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	0.5100	3.9562	6.3421	0.0115	0.3116	0.0588	0.3705	0.0895	0.0541	0.1436	0.0000	1,015.002 2	1,015.002 2	7.9200e- 003	0.0000	1,015.168 4
Worker	0.4210	0.6377	6.0650	0.0152	1.2713	9.9600e- 003	1.2813	0.3382	9.2100e- 003	0.3474	0.0000	1,071.084 3	1,071.084 3	0.0549	0.0000	1,072.236 6
<b>Total</b>	<b>0.9309</b>	<b>4.5938</b>	<b>12.4071</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0688</b>	<b>1.6518</b>	<b>0.4277</b>	<b>0.0633</b>	<b>0.4910</b>	<b>0.0000</b>	<b>2,086.086 5</b>	<b>2,086.086 5</b>	<b>0.0628</b>	<b>0.0000</b>	<b>2,087.405 0</b>

### 3.5 Building Construction - 2019

#### 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	0.3680	3.2810	2.6793	4.1900e- 003		0.2011	0.2011		0.1891	0.1891	0.0000	366.4021	366.4021	0.0892	0.0000	368.2742
<b>Total</b>	<b>0.3680</b>	<b>3.2810</b>	<b>2.6793</b>	<b>4.1900e- 003</b>		<b>0.2011</b>	<b>0.2011</b>		<b>0.1891</b>	<b>0.1891</b>	<b>0.0000</b>	<b>366.4021</b>	<b>366.4021</b>	<b>0.0892</b>	<b>0.0000</b>	<b>368.2742</b>

### 3.5 Building Construction - 2019

#### 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	0.4662	3.6099	5.9999	0.0115	0.3116	0.0546	0.3663	0.0895	0.0502	0.1398	0.0000	997.4701	997.4701	7.7300e-003	0.0000	997.6324
Worker	0.3829	0.5808	5.5039	0.0152	1.2713	9.7300e-003	1.2811	0.3382	9.0200e-003	0.3472	0.0000	1,032.6337	1,032.6337	0.0510	0.0000	1,033.7051
<b>Total</b>	<b>0.8491</b>	<b>4.1907</b>	<b>11.5038</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0644</b>	<b>1.6473</b>	<b>0.4277</b>	<b>0.0593</b>	<b>0.4870</b>	<b>0.0000</b>	<b>2,030.1038</b>	<b>2,030.1038</b>	<b>0.0588</b>	<b>0.0000</b>	<b>2,031.3375</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	0.3680	3.2810	2.6793	4.1900e-003		0.2011	0.2011		0.1891	0.1891	0.0000	366.4017	366.4017	0.0892	0.0000	368.2738
<b>Total</b>	<b>0.3680</b>	<b>3.2810</b>	<b>2.6793</b>	<b>4.1900e-003</b>		<b>0.2011</b>	<b>0.2011</b>		<b>0.1891</b>	<b>0.1891</b>	<b>0.0000</b>	<b>366.4017</b>	<b>366.4017</b>	<b>0.0892</b>	<b>0.0000</b>	<b>368.2738</b>

### 3.5 Building Construction - 2019

#### 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	0.4662	3.6099	5.9999	0.0115	0.3116	0.0546	0.3663	0.0895	0.0502	0.1398	0.0000	997.4701	997.4701	7.7300e-003	0.0000	997.6324
Worker	0.3829	0.5808	5.5039	0.0152	1.2713	9.7300e-003	1.2811	0.3382	9.0200e-003	0.3472	0.0000	1,032.6337	1,032.6337	0.0510	0.0000	1,033.7051
<b>Total</b>	<b>0.8491</b>	<b>4.1907</b>	<b>11.5038</b>	<b>0.0267</b>	<b>1.5830</b>	<b>0.0644</b>	<b>1.6473</b>	<b>0.4277</b>	<b>0.0593</b>	<b>0.4870</b>	<b>0.0000</b>	<b>2,030.1038</b>	<b>2,030.1038</b>	<b>0.0588</b>	<b>0.0000</b>	<b>2,031.3375</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3315	2.9962	2.6389	4.2100e-003		0.1747	0.1747		0.1643	0.1643	0.0000	362.1203	362.1203	0.0882	0.0000	363.9731
<b>Total</b>	<b>0.3315</b>	<b>2.9962</b>	<b>2.6389</b>	<b>4.2100e-003</b>		<b>0.1747</b>	<b>0.1747</b>		<b>0.1643</b>	<b>0.1643</b>	<b>0.0000</b>	<b>362.1203</b>	<b>362.1203</b>	<b>0.0882</b>	<b>0.0000</b>	<b>363.9731</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4277	3.0850	5.7285	0.0115	0.3126	0.0489	0.3615	0.0898	0.0450	0.1348	0.0000	977.5734	977.5734	7.5100e-003	0.0000	977.7312
Worker	0.3573	0.5368	5.0921	0.0152	1.2754	9.6400e-003	1.2850	0.3393	8.9400e-003	0.3482	0.0000	994.3906	994.3906	0.0482	0.0000	995.4018
<b>Total</b>	<b>0.7850</b>	<b>3.6217</b>	<b>10.8206</b>	<b>0.0267</b>	<b>1.5880</b>	<b>0.0586</b>	<b>1.6466</b>	<b>0.4291</b>	<b>0.0540</b>	<b>0.4830</b>	<b>0.0000</b>	<b>1,971.9640</b>	<b>1,971.9640</b>	<b>0.0557</b>	<b>0.0000</b>	<b>1,973.1330</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	0.3315	2.9962	2.6389	4.2100e-003		0.1747	0.1747		0.1643	0.1643	0.0000	362.1199	362.1199	0.0882	0.0000	363.9726
<b>Total</b>	<b>0.3315</b>	<b>2.9962</b>	<b>2.6389</b>	<b>4.2100e-003</b>		<b>0.1747</b>	<b>0.1747</b>		<b>0.1643</b>	<b>0.1643</b>	<b>0.0000</b>	<b>362.1199</b>	<b>362.1199</b>	<b>0.0882</b>	<b>0.0000</b>	<b>363.9726</b>

### 3.5 Building Construction - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4277	3.0850	5.7285	0.0115	0.3126	0.0489	0.3615	0.0898	0.0450	0.1348	0.0000	977.5734	977.5734	7.5100e-003	0.0000	977.7312
Worker	0.3573	0.5368	5.0921	0.0152	1.2754	9.6400e-003	1.2850	0.3393	8.9400e-003	0.3482	0.0000	994.3906	994.3906	0.0482	0.0000	995.4018
<b>Total</b>	<b>0.7850</b>	<b>3.6217</b>	<b>10.8206</b>	<b>0.0267</b>	<b>1.5880</b>	<b>0.0586</b>	<b>1.6466</b>	<b>0.4291</b>	<b>0.0540</b>	<b>0.4830</b>	<b>0.0000</b>	<b>1,971.9640</b>	<b>1,971.9640</b>	<b>0.0557</b>	<b>0.0000</b>	<b>1,973.1330</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1533	1.4046	1.3396	2.1700e-003		0.0774	0.0774		0.0727	0.0727	0.0000	186.8486	186.8486	0.0450	0.0000	187.7939
<b>Total</b>	<b>0.1533</b>	<b>1.4046</b>	<b>1.3396</b>	<b>2.1700e-003</b>		<b>0.0774</b>	<b>0.0774</b>		<b>0.0727</b>	<b>0.0727</b>	<b>0.0000</b>	<b>186.8486</b>	<b>186.8486</b>	<b>0.0450</b>	<b>0.0000</b>	<b>187.7939</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2128	1.3066	2.8796	5.9300e-003	0.1613	0.0227	0.1840	0.0464	0.0209	0.0672	0.0000	503.6483	503.6483	3.8700e-003	0.0000	503.7295
Worker	0.1739	0.2577	2.4517	7.8500e-003	0.6580	4.9500e-003	0.6630	0.1750	4.5900e-003	0.1796	0.0000	504.0429	504.0429	0.0236	0.0000	504.5380
<b>Total</b>	<b>0.3866</b>	<b>1.5643</b>	<b>5.3313</b>	<b>0.0138</b>	<b>0.8193</b>	<b>0.0276</b>	<b>0.8470</b>	<b>0.2214</b>	<b>0.0255</b>	<b>0.2468</b>	<b>0.0000</b>	<b>1,007.6912</b>	<b>1,007.6912</b>	<b>0.0274</b>	<b>0.0000</b>	<b>1,008.2675</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	0.1533	1.4046	1.3396	2.1700e-003		0.0774	0.0774		0.0727	0.0727	0.0000	186.8484	186.8484	0.0450	0.0000	187.7937
<b>Total</b>	<b>0.1533</b>	<b>1.4046</b>	<b>1.3396</b>	<b>2.1700e-003</b>		<b>0.0774</b>	<b>0.0774</b>		<b>0.0727</b>	<b>0.0727</b>	<b>0.0000</b>	<b>186.8484</b>	<b>186.8484</b>	<b>0.0450</b>	<b>0.0000</b>	<b>187.7937</b>

### 3.5 Building Construction - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2128	1.3066	2.8796	5.9300e-003	0.1613	0.0227	0.1840	0.0464	0.0209	0.0672	0.0000	503.6483	503.6483	3.8700e-003	0.0000	503.7295
Worker	0.1739	0.2577	2.4517	7.8500e-003	0.6580	4.9500e-003	0.6630	0.1750	4.5900e-003	0.1796	0.0000	504.0429	504.0429	0.0236	0.0000	504.5380
<b>Total</b>	<b>0.3866</b>	<b>1.5643</b>	<b>5.3313</b>	<b>0.0138</b>	<b>0.8193</b>	<b>0.0276</b>	<b>0.8470</b>	<b>0.2214</b>	<b>0.0255</b>	<b>0.2468</b>	<b>0.0000</b>	<b>1,007.6912</b>	<b>1,007.6912</b>	<b>0.0274</b>	<b>0.0000</b>	<b>1,008.2675</b>

### 3.6 Paving - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0462	0.4748	0.5382	8.4000e-004		0.0249	0.0249		0.0230	0.0230	0.0000	73.4906	73.4906	0.0238	0.0000	73.9897
Paving	0.0161					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0623</b>	<b>0.4748</b>	<b>0.5382</b>	<b>8.4000e-004</b>		<b>0.0249</b>	<b>0.0249</b>		<b>0.0230</b>	<b>0.0230</b>	<b>0.0000</b>	<b>73.4906</b>	<b>73.4906</b>	<b>0.0238</b>	<b>0.0000</b>	<b>73.9897</b>

### 3.6 Paving - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3500e-003	2.0000e-003	0.0190	6.0000e-005	5.1100e-003	4.0000e-005	5.1400e-003	1.3600e-003	4.0000e-005	1.3900e-003	0.0000	3.9110	3.9110	1.8000e-004	0.0000	3.9148
<b>Total</b>	<b>1.3500e-003</b>	<b>2.0000e-003</b>	<b>0.0190</b>	<b>6.0000e-005</b>	<b>5.1100e-003</b>	<b>4.0000e-005</b>	<b>5.1400e-003</b>	<b>1.3600e-003</b>	<b>4.0000e-005</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>3.9110</b>	<b>3.9110</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>3.9148</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	0.0462	0.4748	0.5382	8.4000e-004		0.0249	0.0249		0.0230	0.0230	0.0000	73.4905	73.4905	0.0238	0.0000	73.9896
Paving	0.0161					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0623</b>	<b>0.4748</b>	<b>0.5382</b>	<b>8.4000e-004</b>		<b>0.0249</b>	<b>0.0249</b>		<b>0.0230</b>	<b>0.0230</b>	<b>0.0000</b>	<b>73.4905</b>	<b>73.4905</b>	<b>0.0238</b>	<b>0.0000</b>	<b>73.9896</b>



### 3.6 Paving - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3500e-003	2.0000e-003	0.0190	6.0000e-005	5.1100e-003	4.0000e-005	5.1400e-003	1.3600e-003	4.0000e-005	1.3900e-003	0.0000	3.9110	3.9110	1.8000e-004	0.0000	3.9148
<b>Total</b>	<b>1.3500e-003</b>	<b>2.0000e-003</b>	<b>0.0190</b>	<b>6.0000e-005</b>	<b>5.1100e-003</b>	<b>4.0000e-005</b>	<b>5.1400e-003</b>	<b>1.3600e-003</b>	<b>4.0000e-005</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>3.9110</b>	<b>3.9110</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>3.9148</b>

### 3.7 Architectural Coating - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	11.1304					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2100e-003	0.0573	0.0682	1.1000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	9.5747	9.5747	6.6000e-004	0.0000	9.5885
<b>Total</b>	<b>11.1387</b>	<b>0.0573</b>	<b>0.0682</b>	<b>1.1000e-004</b>		<b>3.5300e-003</b>	<b>3.5300e-003</b>		<b>3.5300e-003</b>	<b>3.5300e-003</b>	<b>0.0000</b>	<b>9.5747</b>	<b>9.5747</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>9.5885</b>

### 3.7 Architectural Coating - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0161	0.0239	0.2270	7.3000e-004	0.0609	4.6000e-004	0.0614	0.0162	4.2000e-004	0.0166	0.0000	46.6706	46.6706	2.1800e-003	0.0000	46.7165
<b>Total</b>	<b>0.0161</b>	<b>0.0239</b>	<b>0.2270</b>	<b>7.3000e-004</b>	<b>0.0609</b>	<b>4.6000e-004</b>	<b>0.0614</b>	<b>0.0162</b>	<b>4.2000e-004</b>	<b>0.0166</b>	<b>0.0000</b>	<b>46.6706</b>	<b>46.6706</b>	<b>2.1800e-003</b>	<b>0.0000</b>	<b>46.7165</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	11.1304					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2100e-003	0.0573	0.0682	1.1000e-004		3.5300e-003	3.5300e-003		3.5300e-003	3.5300e-003	0.0000	9.5747	9.5747	6.6000e-004	0.0000	9.5885
<b>Total</b>	<b>11.1387</b>	<b>0.0573</b>	<b>0.0682</b>	<b>1.1000e-004</b>		<b>3.5300e-003</b>	<b>3.5300e-003</b>		<b>3.5300e-003</b>	<b>3.5300e-003</b>	<b>0.0000</b>	<b>9.5747</b>	<b>9.5747</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>9.5885</b>

### 3.7 Architectural Coating - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0161	0.0239	0.2270	7.3000e-004	0.0609	4.6000e-004	0.0614	0.0162	4.2000e-004	0.0166	0.0000	46.6706	46.6706	2.1800e-003	0.0000	46.7165
<b>Total</b>	<b>0.0161</b>	<b>0.0239</b>	<b>0.2270</b>	<b>7.3000e-004</b>	<b>0.0609</b>	<b>4.6000e-004</b>	<b>0.0614</b>	<b>0.0162</b>	<b>4.2000e-004</b>	<b>0.0166</b>	<b>0.0000</b>	<b>46.6706</b>	<b>46.6706</b>	<b>2.1800e-003</b>	<b>0.0000</b>	<b>46.7165</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	5.9358	6.4646	26.5270	0.0607	5.0448	0.0539	5.0987	1.3488	0.0505	1.3993	0.0000	5,550.3383	5,550.3383	0.1969	0.0000	5,554.4730
Unmitigated	5.9358	6.4646	26.5270	0.0607	5.0448	0.0539	5.0987	1.3488	0.0505	1.3993	0.0000	5,550.3383	5,550.3383	0.1969	0.0000	5,554.4730

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse	1,306.16	1,419.84	1204.08	2,713,459	2,713,459
Health Club	988.54	626.22	801.92	1,188,563	1,188,563
High Turnover (Sit Down Restaurant)	423.66	528.12	439.62	575,741	575,741
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Single Family Housing	922.00	971.00	845.00	1,904,666	1,904,666
Supermarket	4,660.26	8,094.24	7586.04	7,272,521	7,272,521
<b>Total</b>	<b>8,300.62</b>	<b>11,639.42</b>	<b>10,876.66</b>	<b>13,654,950</b>	<b>13,654,950</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-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	5.70	5.70	5.70	26.10	29.10	44.80	100	0	0
Health Club	5.70	5.70	5.70	16.90	64.10	19.00	54	35	11
High Turnover (Sit Down)	5.70	5.70	5.70	8.50	72.50	19.00	54	35	11
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	5.70	5.70	5.70	26.10	29.10	44.80	100	0	0
Supermarket	5.70	5.70	5.70	6.50	74.50	19.00	54	35	11

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.572544	0.042084	0.182043	0.119170	0.018378	0.004911	0.016965	0.011998	0.000632	0.000641	0.026720	0.000284	0.003032

### 5.0 Energy Detail

#### 4.4 Fleet Mix

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	604.4062	604.4062	0.0604	0.0125	609.5520
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	604.4062	604.4062	0.0604	0.0125	609.5520
NaturalGas Mitigated	0.0642	0.5598	0.3156	3.5000e-003		0.0444	0.0444		0.0444	0.0444	0.0000	635.3577	635.3577	0.0122	0.0117	639.2243
NaturalGas Unmitigated	0.0642	0.5598	0.3156	3.5000e-003		0.0444	0.0444		0.0444	0.0444	0.0000	635.3577	635.3577	0.0122	0.0117	639.2243

### 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					
Condo/Townhouse	4.24897e+006	0.0229	0.1958	0.0833	1.2500e-003		0.0158	0.0158		0.0158	0.0158	0.0000	226.7413	226.7413	4.3500e-003	4.1600e-003	228.1212
Health Club	346360	1.8700e-003	0.0170	0.0143	1.0000e-004		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	18.4831	18.4831	3.5000e-004	3.4000e-004	18.5956
High Turnover (Sit Down Restaurant)	1.00746e+006	5.4300e-003	0.0494	0.0415	3.0000e-004		3.7500e-003	3.7500e-003		3.7500e-003	3.7500e-003	0.0000	53.7619	53.7619	1.0300e-003	9.9000e-004	54.0891
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.84684e+006	0.0207	0.1773	0.0754	1.1300e-003		0.0143	0.0143		0.0143	0.0143	0.0000	205.2821	205.2821	3.9300e-003	3.7600e-003	206.5315
Supermarket	2.45652e+006	0.0133	0.1204	0.1012	7.2000e-004		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	131.0893	131.0893	2.5100e-003	2.4000e-003	131.8871
City Park	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>0.0642</b>	<b>0.5598</b>	<b>0.3156</b>	<b>3.5000e-003</b>		<b>0.0444</b>	<b>0.0444</b>		<b>0.0444</b>	<b>0.0444</b>	<b>0.0000</b>	<b>635.3577</b>	<b>635.3577</b>	<b>0.0122</b>	<b>0.0117</b>	<b>639.2243</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Health Club	346360	1.8700e-003	0.0170	0.0143	1.0000e-004		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	18.4831	18.4831	3.5000e-004	3.4000e-004	18.5956
High Turnover (Sit Down Restaurant)	1.00746e+006	5.4300e-003	0.0494	0.0415	3.0000e-004		3.7500e-003	3.7500e-003		3.7500e-003	3.7500e-003	0.0000	53.7619	53.7619	1.0300e-003	9.9000e-004	54.0891
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.84684e+006	0.0207	0.1773	0.0754	1.1300e-003		0.0143	0.0143		0.0143	0.0143	0.0000	205.2821	205.2821	3.9300e-003	3.7600e-003	206.5315
Supermarket	2.45652e+006	0.0133	0.1204	0.1012	7.2000e-004		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	131.0893	131.0893	2.5100e-003	2.4000e-003	131.8871
City Park	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
Condo/Townhouse	4.24897e+006	0.0229	0.1958	0.0833	1.2500e-003		0.0158	0.0158		0.0158	0.0158	0.0000	226.7413	226.7413	4.3500e-003	4.1600e-003	228.1212
<b>Total</b>		<b>0.0642</b>	<b>0.5598</b>	<b>0.3156</b>	<b>3.5000e-003</b>		<b>0.0444</b>	<b>0.0444</b>		<b>0.0444</b>	<b>0.0444</b>	<b>0.0000</b>	<b>635.3577</b>	<b>635.3577</b>	<b>0.0122</b>	<b>0.0117</b>	<b>639.2243</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	980126	128.9275	0.0129	2.6700e-003	130.0252
Health Club	114800	15.1010	1.5100e-003	3.1000e-004	15.2296
High Turnover (Sit Down Restaurant)	180480	23.7407	2.3700e-003	4.9000e-004	23.9428
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76744.8	10.0952	1.0100e-003	2.1000e-004	10.1811
Single Family Housing	688434	90.5578	9.0600e-003	1.8700e-003	91.3288
Supermarket	2.5542e+006	335.9840	0.0336	6.9500e-003	338.8445
<b>Total</b>		<b>604.4062</b>	<b>0.0604</b>	<b>0.0125</b>	<b>609.5520</b>



### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	980126	128.9275	0.0129	2.6700e-003	130.0252
Health Club	114800	15.1010	1.5100e-003	3.1000e-004	15.2296
High Turnover (Sit Down Restaurant)	180480	23.7407	2.3700e-003	4.9000e-004	23.9428
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76744.8	10.0952	1.0100e-003	2.1000e-004	10.1811
Single Family Housing	688434	90.5578	9.0600e-003	1.8700e-003	91.3288
Supermarket	2.5542e+006	335.9840	0.0336	6.9500e-003	338.8445
<b>Total</b>		<b>604.4062</b>	<b>0.0604</b>	<b>0.0125</b>	<b>609.5520</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	9.2930	0.0285	2.4698	1.3000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	18.7752	18.7752	4.1800e-003	2.7000e-004	18.9467
Unmitigated	9.2930	0.0285	2.4698	1.3000e-004		0.0147	0.0147		0.0147	0.0147	0.0000	18.7752	18.7752	4.1800e-003	2.7000e-004	18.9467

## 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	1.1130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.1038					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.4900e-003	0.0000	8.0000e-005	0.0000		1.0300e-003	1.0300e-003		1.0200e-003	1.0200e-003	0.0000	14.7447	14.7447	2.8000e-004	2.7000e-004	14.8345
Landscaping	0.0747	0.0285	2.4697	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0305	4.0305	3.8900e-003	0.0000	4.1123
<b>Total</b>	<b>9.2930</b>	<b>0.0285</b>	<b>2.4698</b>	<b>1.3000e-004</b>		<b>0.0147</b>	<b>0.0147</b>		<b>0.0147</b>	<b>0.0147</b>	<b>0.0000</b>	<b>18.7752</b>	<b>18.7752</b>	<b>4.1700e-003</b>	<b>2.7000e-004</b>	<b>18.9467</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.1038					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.4900e-003	0.0000	8.0000e-005	0.0000		1.0300e-003	1.0300e-003		1.0200e-003	1.0200e-003	0.0000	14.7447	14.7447	2.8000e-004	2.7000e-004	14.8345
Landscaping	0.0747	0.0285	2.4697	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0305	4.0305	3.8900e-003	0.0000	4.1123
<b>Total</b>	<b>9.2930</b>	<b>0.0285</b>	<b>2.4698</b>	<b>1.3000e-004</b>		<b>0.0147</b>	<b>0.0147</b>		<b>0.0147</b>	<b>0.0147</b>	<b>0.0000</b>	<b>18.7752</b>	<b>18.7752</b>	<b>4.1700e-003</b>	<b>2.7000e-004</b>	<b>18.9467</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	39.1188	0.0471	0.0287	49.0156
Unmitigated	39.1188	0.0473	0.0288	49.0364

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	13.864 / 0	14.7731	0.0179	0.0109	18.5184
Condo/Townhouse	11.9987 / 0	12.7856	0.0155	9.4100e-003	16.0270
Health Club	0.650195 / 0	0.6928	8.4000e-004	5.1000e-004	0.8685
High Turnover (Sit Down Restaurant)	0.943264 / 0	1.0051	1.2200e-003	7.4000e-004	1.2599
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.17187 / 0	5.5110	6.6700e-003	4.0600e-003	6.9082
Supermarket	4.08344 / 0	4.3512	5.2600e-003	3.2000e-003	5.4543
<b>Total</b>		<b>39.1188</b>	<b>0.0473</b>	<b>0.0288</b>	<b>49.0364</b>

## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	13.864 / 0	14.7731	0.0178	0.0109	18.5106
Condo/Townhouse	11.9987 / 0	12.7856	0.0154	9.3900e-003	16.0202
Health Club	0.650195 / 0	0.6928	8.3000e-004	5.1000e-004	0.8681
High Turnover (Sit Down Restaurant)	0.943264 / 0	1.0051	1.2100e-003	7.4000e-004	1.2594
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	5.17187 / 0	5.5110	6.6300e-003	4.0500e-003	6.9053
Supermarket	4.08344 / 0	4.3512	5.2400e-003	3.2000e-003	5.4520
<b>Total</b>		<b>39.1188</b>	<b>0.0471</b>	<b>0.0287</b>	<b>49.0156</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	16.3590	0.9668	0.0000	36.6617
Unmitigated	16.3590	0.9668	0.0000	36.6617

**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.23	0.0467	2.7600e-003	0.0000	0.1046
Condo/Townhouse	11.74	2.3831	0.1408	0.0000	5.3407
Health Club	8.78	1.7823	0.1053	0.0000	3.9942
High Turnover (Sit Down Restaurant)	7.85	1.5935	0.0942	0.0000	3.5711
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	11.04	2.2410	0.1324	0.0000	5.0223
Supermarket	40.95	8.3125	0.4913	0.0000	18.6288
<b>Total</b>		<b>16.3590</b>	<b>0.9668</b>	<b>0.0000</b>	<b>36.6617</b>

## 8.2 Waste by Land Use

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.23	0.0467	2.7600e-003	0.0000	0.1046
Condo/Townhouse	11.74	2.3831	0.1408	0.0000	5.3407
Health Club	8.78	1.7823	0.1053	0.0000	3.9942
High Turnover (Sit Down Restaurant)	7.85	1.5935	0.0942	0.0000	3.5711
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	11.04	2.2410	0.1324	0.0000	5.0223
Supermarket	40.95	8.3125	0.4913	0.0000	18.6288
<b>Total</b>		<b>16.3590</b>	<b>0.9668</b>	<b>0.0000</b>	<b>36.6617</b>

## 9.0 Operational Offroad

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



	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	452.4400	0.0000	0.0000	452.4400

### 10.1 Vegetation Land Change

#### Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Grassland	50 / 0	-215.5000	0.0000	0.0000	-215.5000
<b>Total</b>		<b>-215.5000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>-215.5000</b>

**10.2 Net New Trees**

**Species Class**

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Mixed Hardwood	910	667.9400	0.0000	0.0000	667.9400
<b>Total</b>		<b>667.9400</b>	<b>0.0000</b>	<b>0.0000</b>	<b>667.9400</b>

## Oak Knoll Phase II Operational GHGs Alameda County, Annual

### 1.0 Project Characteristics

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#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	12.20	Acre	12.20	531,432.00	0
City Park	9.60	Acre	9.60	418,176.00	0
Single Family Housing	263.00	Dwelling Unit	27.20	473,400.00	629

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	63
<b>Climate Zone</b>	5			<b>Operational Year</b>	2023
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	290	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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



tblEnergyUse	T24E	248.69	179.06
tblEnergyUse	T24NG	44,827.08	32,275.00
tblFireplaces	NumberGas	144.65	263.00
tblFireplaces	NumberWood	118.35	0.00
tblGrading	AcresOfGrading	275.00	49.00
tblGrading	AcresOfGrading	0.00	49.00
tblLandUse	LotAcreage	85.39	27.20
tblLandUse	Population	752.00	629.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblProjectCharacteristics	OperationalYear	2014	2023
tblSolidWaste	SolidWasteGenerationRate	0.83	0.09
tblSolidWaste	SolidWasteGenerationRate	264.18	29.06
tblVehicleEF	HHD	3.45	4.28
tblVehicleEF	HHD	1.09	1.02
tblVehicleEF	HHD	60.69	0.00
tblVehicleEF	HHD	527.63	12,129.80
tblVehicleEF	HHD	1,551.39	1,646.98
tblVehicleEF	HHD	49.32	0.82
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	3.27	36.94
tblVehicleEF	HHD	2.13	2.52
tblVehicleEF	HHD	3.88	0.02
tblVehicleEF	HHD	9.0910e-003	0.02
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.07	7.8214e-003
tblVehicleEF	HHD	8.3800e-004	6.5754e-006
tblVehicleEF	HHD	8.3640e-003	0.02

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7720e-003	8.9762e-003
tblVehicleEF	HHD	0.07	7.4828e-003
tblVehicleEF	HHD	7.7700e-004	6.0459e-006
tblVehicleEF	HHD	1.2500e-003	1.2166e-004
tblVehicleEF	HHD	0.08	3.6021e-004
tblVehicleEF	HHD	0.61	1.12
tblVehicleEF	HHD	8.9000e-004	8.3837e-005
tblVehicleEF	HHD	0.22	0.09
tblVehicleEF	HHD	0.40	1.6253e-003
tblVehicleEF	HHD	1.60	6.5278e-003
tblVehicleEF	HHD	5.5930e-003	0.11
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5500e-003	1.2511e-005
tblVehicleEF	LDA	0.62	0.54
tblVehicleEF	LDA	1.29	1.25
tblVehicleEF	LDA	219.18	248.74
tblVehicleEF	LDA	48.27	56.29
tblVehicleEF	LDA	0.54	0.57
tblVehicleEF	LDA	0.07	0.05
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.8980e-003	1.7741e-003
tblVehicleEF	LDA	4.2000e-003	2.2488e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.7600e-003	1.6357e-003

tblVehicleEF	LDA	3.8970e-003	2.0677e-003
tblVehicleEF	LDA	0.02	0.19
tblVehicleEF	LDA	0.07	0.11
tblVehicleEF	LDA	0.02	0.18
tblVehicleEF	LDA	0.01	9.9961e-003
tblVehicleEF	LDA	0.20	0.23
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	3.4120e-003	2.4904e-003
tblVehicleEF	LDA	7.5900e-004	5.8407e-004
tblVehicleEF	LDT1	1.41	0.99
tblVehicleEF	LDT1	3.19	2.67
tblVehicleEF	LDT1	271.84	300.73
tblVehicleEF	LDT1	59.80	69.04
tblVehicleEF	LDT1	0.06	0.04
tblVehicleEF	LDT1	0.16	0.10
tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.8090e-003	2.3507e-003
tblVehicleEF	LDT1	4.6960e-003	3.0794e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.6050e-003	2.1670e-003
tblVehicleEF	LDT1	4.3570e-003	2.8316e-003
tblVehicleEF	LDT1	0.08	0.50
tblVehicleEF	LDT1	0.21	0.24
tblVehicleEF	LDT1	0.08	0.44
tblVehicleEF	LDT1	0.03	0.02

tblVehicleEF	LDT1	0.74	0.89
tblVehicleEF	LDT1	0.22	0.18
tblVehicleEF	LDT1	3.9580e-003	3.0180e-003
tblVehicleEF	LDT1	9.0700e-004	7.3697e-004
tblVehicleEF	LDT2	0.81	0.66
tblVehicleEF	LDT2	1.82	1.52
tblVehicleEF	LDT2	334.46	339.27
tblVehicleEF	LDT2	73.52	77.68
tblVehicleEF	LDT2	0.17	0.18
tblVehicleEF	LDT2	0.10	0.07
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.8300e-003	1.7209e-003
tblVehicleEF	LDT2	4.0760e-003	2.3049e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.6980e-003	1.5827e-003
tblVehicleEF	LDT2	3.7820e-003	2.1193e-003
tblVehicleEF	LDT2	0.04	0.23
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.04	0.24
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.39	0.40
tblVehicleEF	LDT2	0.12	0.09
tblVehicleEF	LDT2	4.6410e-003	3.3971e-003
tblVehicleEF	LDT2	1.0380e-003	8.0226e-004
tblVehicleEF	LHD1	0.18	2.05



tblVehicleEF	LHD1	1.07	1.10
tblVehicleEF	LHD1	3.85	2.44
tblVehicleEF	LHD1	7.80	124.54
tblVehicleEF	LHD1	760.22	707.93
tblVehicleEF	LHD1	40.00	30.39
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.05	1.03
tblVehicleEF	LHD1	0.81	1.18
tblVehicleEF	LHD1	1.19	0.97
tblVehicleEF	LHD1	5.5800e-004	0.01
tblVehicleEF	LHD1	0.05	0.08
tblVehicleEF	LHD1	9.1290e-003	9.8526e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	8.7066e-004
tblVehicleEF	LHD1	5.1400e-004	0.01
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.2820e-003	2.4632e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	8.0054e-004
tblVehicleEF	LHD1	1.8220e-003	0.03
tblVehicleEF	LHD1	0.07	0.10
tblVehicleEF	LHD1	0.03	0.23
tblVehicleEF	LHD1	1.1450e-003	0.02
tblVehicleEF	LHD1	0.10	0.12
tblVehicleEF	LHD1	0.43	0.69
tblVehicleEF	LHD1	0.31	0.25
tblVehicleEF	LHD1	8.9000e-005	1.2491e-003
tblVehicleEF	LHD1	8.3820e-003	6.9669e-003

tblVehicleEF	LHD1	5.1400e-004	3.4984e-004
tblVehicleEF	LHD2	0.14	1.68
tblVehicleEF	LHD2	0.79	0.58
tblVehicleEF	LHD2	2.22	1.13
tblVehicleEF	LHD2	8.58	185.23
tblVehicleEF	LHD2	657.39	720.45
tblVehicleEF	LHD2	26.95	23.21
tblVehicleEF	LHD2	4.5480e-003	4.9043e-003
tblVehicleEF	LHD2	0.10	1.31
tblVehicleEF	LHD2	1.16	0.76
tblVehicleEF	LHD2	0.73	0.46
tblVehicleEF	LHD2	1.1160e-003	0.02
tblVehicleEF	LHD2	0.06	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	3.1900e-004	3.7467e-004
tblVehicleEF	LHD2	1.0270e-003	0.02
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	2.5360e-003	2.6533e-003
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	2.9600e-004	3.4449e-004
tblVehicleEF	LHD2	9.8400e-004	0.01
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.18
tblVehicleEF	LHD2	6.3700e-004	6.6013e-003
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.24	0.20
tblVehicleEF	LHD2	0.17	0.09

tblVehicleEF	LHD2	9.5000e-005	1.8099e-003
tblVehicleEF	LHD2	7.1750e-003	7.0197e-003
tblVehicleEF	LHD2	3.3900e-004	2.5250e-004
tblVehicleEF	MCY	24.39	20.03
tblVehicleEF	MCY	11.21	10.24
tblVehicleEF	MCY	150.64	174.71
tblVehicleEF	MCY	37.25	45.85
tblVehicleEF	MCY	5.6760e-003	0.03
tblVehicleEF	MCY	1.23	1.17
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	0.04	0.01
tblVehicleEF	MCY	8.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.8600e-004	2.1217e-003
tblVehicleEF	MCY	7.7900e-004	3.9696e-003
tblVehicleEF	MCY	0.02	5.0400e-003
tblVehicleEF	MCY	2.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.4500e-004	1.9848e-003
tblVehicleEF	MCY	6.6600e-004	3.7432e-003
tblVehicleEF	MCY	0.59	1.61
tblVehicleEF	MCY	0.35	0.74
tblVehicleEF	MCY	0.33	1.00
tblVehicleEF	MCY	2.67	2.33
tblVehicleEF	MCY	1.22	2.39
tblVehicleEF	MCY	2.23	2.26
tblVehicleEF	MCY	2.1400e-003	2.1429e-003
tblVehicleEF	MCY	6.6000e-004	6.9264e-004
tblVehicleEF	MDV	1.38	1.05
tblVehicleEF	MDV	3.86	2.91

tblVehicleEF	MDV	447.62	457.20
tblVehicleEF	MDV	98.69	102.85
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.20	0.13
tblVehicleEF	MDV	0.32	0.25
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.0280e-003	1.8760e-003
tblVehicleEF	MDV	4.0140e-003	2.5201e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.8810e-003	1.7287e-003
tblVehicleEF	MDV	3.7240e-003	2.3174e-003
tblVehicleEF	MDV	0.07	0.35
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.07	0.37
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.64	0.57
tblVehicleEF	MDV	0.30	0.22
tblVehicleEF	MDV	5.9290e-003	4.5777e-003
tblVehicleEF	MDV	1.3450e-003	1.0796e-003
tblVehicleEF	MH	1.01	2.16
tblVehicleEF	MH	6.18	5.90
tblVehicleEF	MH	665.11	1,215.91
tblVehicleEF	MH	28.78	59.49
tblVehicleEF	MH	1.4000e-003	2.9490e-003
tblVehicleEF	MH	1.03	1.27
tblVehicleEF	MH	0.67	0.85

tblVehicleEF	MH	0.05	0.13
tblVehicleEF	MH	8.4680e-003	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	1.1593e-003
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	2.1170e-003	3.2050e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	1.0659e-003
tblVehicleEF	MH	0.56	0.08
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.24	0.03
tblVehicleEF	MH	0.06	0.10
tblVehicleEF	MH	1.29	1.94
tblVehicleEF	MH	0.32	0.34
tblVehicleEF	MH	7.3310e-003	0.01
tblVehicleEF	MH	4.2600e-004	6.9758e-004
tblVehicleEF	MHD	2.09	1.11
tblVehicleEF	MHD	0.49	0.32
tblVehicleEF	MHD	13.77	0.00
tblVehicleEF	MHD	572.65	635.53
tblVehicleEF	MHD	1,004.94	1,185.52
tblVehicleEF	MHD	49.32	8.81
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.33	1.77
tblVehicleEF	MHD	0.99	1.19
tblVehicleEF	MHD	1.43	0.13
tblVehicleEF	MHD	7.6380e-003	4.9172e-004
tblVehicleEF	MHD	0.12	0.13

tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	3.5138e-003
tblVehicleEF	MHD	1.0610e-003	1.2700e-004
tblVehicleEF	MHD	7.0270e-003	4.9172e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	2.8910e-003	3.0000e-003
tblVehicleEF	MHD	0.03	3.3581e-003
tblVehicleEF	MHD	9.8500e-004	1.1678e-004
tblVehicleEF	MHD	1.5750e-003	2.6002e-003
tblVehicleEF	MHD	0.08	6.7803e-003
tblVehicleEF	MHD	0.18	0.08
tblVehicleEF	MHD	9.7900e-004	1.5171e-003
tblVehicleEF	MHD	0.11	0.04
tblVehicleEF	MHD	0.44	0.04
tblVehicleEF	MHD	0.76	0.05
tblVehicleEF	MHD	6.0700e-003	6.0992e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8700e-004	1.0367e-004
tblVehicleEF	OBUS	3.30	4.85
tblVehicleEF	OBUS	0.83	0.85
tblVehicleEF	OBUS	9.00	6.44
tblVehicleEF	OBUS	533.48	361.87
tblVehicleEF	OBUS	1,045.10	1,241.71
tblVehicleEF	OBUS	32.73	73.76
tblVehicleEF	OBUS	1.8110e-003	6.3931e-004
tblVehicleEF	OBUS	3.20	0.05
tblVehicleEF	OBUS	1.12	0.26
tblVehicleEF	OBUS	1.18	1.07

tblVehicleEF	OBUS	8.7920e-003	0.00
tblVehicleEF	OBUS	0.10	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	1.1841e-003
tblVehicleEF	OBUS	4.5100e-004	9.4974e-004
tblVehicleEF	OBUS	8.0890e-003	0.00
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.6290e-003	3.0000e-003
tblVehicleEF	OBUS	0.03	1.0887e-003
tblVehicleEF	OBUS	4.1900e-004	8.7325e-004
tblVehicleEF	OBUS	6.8200e-004	0.03
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.56	0.58
tblVehicleEF	OBUS	3.4900e-004	0.01
tblVehicleEF	OBUS	0.12	0.04
tblVehicleEF	OBUS	0.31	0.24
tblVehicleEF	OBUS	0.52	0.39
tblVehicleEF	OBUS	5.6550e-003	3.7130e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.2100e-004	8.5023e-004
tblVehicleEF	SBUS	1.19	33.88
tblVehicleEF	SBUS	2.64	0.92
tblVehicleEF	SBUS	25.41	8.92
tblVehicleEF	SBUS	556.14	3,099.53
tblVehicleEF	SBUS	966.46	983.98
tblVehicleEF	SBUS	115.30	57.96
tblVehicleEF	SBUS	1.8900e-004	2.9130e-004
tblVehicleEF	SBUS	7.12	20.05

tblVehicleEF	SBUS	5.53	3.12
tblVehicleEF	SBUS	2.38	0.62
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.47	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	3.0800e-003	1.0268e-003
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.20	0.32
tblVehicleEF	SBUS	2.6090e-003	2.5254e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	2.8580e-003	9.4411e-004
tblVehicleEF	SBUS	0.02	9.2689e-003
tblVehicleEF	SBUS	0.19	0.03
tblVehicleEF	SBUS	0.10	4.06
tblVehicleEF	SBUS	8.0390e-003	4.4198e-003
tblVehicleEF	SBUS	0.26	0.10
tblVehicleEF	SBUS	2.54	0.17
tblVehicleEF	SBUS	1.49	0.44
tblVehicleEF	SBUS	5.8950e-003	0.03
tblVehicleEF	SBUS	0.01	9.5361e-003
tblVehicleEF	SBUS	1.7250e-003	7.3301e-004
tblVehicleEF	UBUS	3.48	6.51
tblVehicleEF	UBUS	4.88	7.42
tblVehicleEF	UBUS	2,139.09	2,209.97
tblVehicleEF	UBUS	9.91	75.27
tblVehicleEF	UBUS	3.5990e-003	6.1851e-004
tblVehicleEF	UBUS	13.62	15.33



tblVehicleEF	UBUS	0.63	0.99
tblVehicleEF	UBUS	0.78	0.66
tblVehicleEF	UBUS	8.0000e-003	0.01
tblVehicleEF	UBUS	0.23	0.32
tblVehicleEF	UBUS	2.1800e-004	8.7748e-004
tblVehicleEF	UBUS	0.34	0.28
tblVehicleEF	UBUS	2.0000e-003	3.0000e-003
tblVehicleEF	UBUS	0.21	0.30
tblVehicleEF	UBUS	2.0200e-004	8.0681e-004
tblVehicleEF	UBUS	1.6400e-003	9.0979e-003
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	7.8000e-004	4.4986e-003
tblVehicleEF	UBUS	0.60	0.79
tblVehicleEF	UBUS	0.39	0.45
tblVehicleEF	UBUS	0.37	0.56
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.9800e-004	8.8619e-004
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	5.40	5.70
tblVehicleTrips	HS_TL	4.30	5.70
tblVehicleTrips	HW_TL	12.40	5.70
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	10.08	9.71
tblVehicleTrips	SU_TR	1.59	0.00
tblVehicleTrips	SU_TR	8.77	8.45
tblVehicleTrips	WD_TR	1.59	0.00

tblVehicleTrips	WD_TR	9.57	9.22
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	0.00	5,568,799.00
tblWater	IndoorWaterUseRate	17,135,508.74	13,602,023.00
tblWater	OutdoorWaterUseRate	11,438,220.96	0.00
tblWater	OutdoorWaterUseRate	10,802,820.73	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	9.21	0.00
tblWoodstoves	NumberNoncatalytic	9.21	0.00

## 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					
2018	0.7048	6.8306	6.2767	9.7200e-003	0.9658	0.3229	1.2887	0.4536	0.2988	0.7524	0.0000	841.1724	841.1724	0.1816	0.0000	844.9857
2019	0.8579	5.7582	9.3016	0.0194	0.8879	0.2391	1.1270	0.2401	0.2241	0.4642	0.0000	1,532.2610	1,532.2610	0.1219	0.0000	1,534.8214
2020	0.7842	5.1354	8.8718	0.0195	0.8907	0.2093	1.1000	0.2409	0.1961	0.4370	0.0000	1,494.9844	1,494.9844	0.1193	0.0000	1,497.4896
2021	0.7273	4.4967	8.5265	0.0194	0.8879	0.1809	1.0688	0.2402	0.1695	0.4097	0.0000	1,479.8690	1,479.8690	0.1166	0.0000	1,482.3171
2022	8.4769	1.1887	2.1774	4.8200e-003	0.1936	0.0524	0.2459	0.0522	0.0489	0.1011	0.0000	370.5426	370.5426	0.0466	0.0000	371.5206
<b>Total</b>	<b>11.5510</b>	<b>23.4096</b>	<b>35.1539</b>	<b>0.0729</b>	<b>3.8259</b>	<b>1.0046</b>	<b>4.8304</b>	<b>1.2270</b>	<b>0.9374</b>	<b>2.1644</b>	<b>0.0000</b>	<b>5,718.8293</b>	<b>5,718.8293</b>	<b>0.5860</b>	<b>0.0000</b>	<b>5,731.1344</b>



**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	6.4467	0.0225	1.9535	1.0000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	21.7287	21.7287	3.4200e-003	3.4000e-004	21.9059
Energy	0.0546	0.4662	0.1984	2.9800e-003		0.0377	0.0377		0.0377	0.0377	0.0000	778.0521	778.0521	0.0342	0.0148	783.3655
Mobile	1.6031	1.6114	8.3812	0.0207	1.8505	0.0162	1.8667	0.4947	0.0151	0.5099	0.0000	1,887.0997	1,887.0997	0.0570	0.0000	1,888.2976
Waste						0.0000	0.0000		0.0000	0.0000	5.9172	0.0000	5.9172	0.3497	0.0000	13.2608
Water						0.0000	0.0000		0.0000	0.0000	6.7827	13.6453	20.4279	0.0247	0.0150	25.6069
<b>Total</b>	<b>8.1044</b>	<b>2.1001</b>	<b>10.5331</b>	<b>0.0237</b>	<b>1.8505</b>	<b>0.0660</b>	<b>1.9165</b>	<b>0.4947</b>	<b>0.0649</b>	<b>0.5596</b>	<b>12.6999</b>	<b>2,700.5258</b>	<b>2,713.2256</b>	<b>0.4690</b>	<b>0.0302</b>	<b>2,732.4367</b>

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.4467	0.0225	1.9535	1.0000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	21.7287	21.7287	3.4200e-003	3.4000e-004	21.9059
Energy	0.0546	0.4662	0.1984	2.9800e-003		0.0377	0.0377		0.0377	0.0377	0.0000	778.0521	778.0521	0.0342	0.0148	783.3655
Mobile	1.6031	1.6114	8.3812	0.0207	1.8505	0.0162	1.8667	0.4947	0.0151	0.5099	0.0000	1,887.0997	1,887.0997	0.0570	0.0000	1,888.2976
Waste						0.0000	0.0000		0.0000	0.0000	5.9172	0.0000	5.9172	0.3497	0.0000	13.2608
Water						0.0000	0.0000		0.0000	0.0000	6.7827	13.6453	20.4279	0.0246	0.0150	25.5961
<b>Total</b>	<b>8.1044</b>	<b>2.1001</b>	<b>10.5331</b>	<b>0.0237</b>	<b>1.8505</b>	<b>0.0660</b>	<b>1.9165</b>	<b>0.4947</b>	<b>0.0649</b>	<b>0.5596</b>	<b>12.6999</b>	<b>2,700.5258</b>	<b>2,713.2256</b>	<b>0.4689</b>	<b>0.0302</b>	<b>2,732.4259</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>0.00</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>	<b>0.00</b>	<b>0.00</b>	<b>0.03</b>	<b>0.07</b>	<b>0.00</b>

### 2.3 Vegetation

#### Vegetation

	CO2e
Category	MT
Vegetation Land Change	-211.1900
<b>Total</b>	<b>-211.1900</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	2/1/2018	4/24/2018	6	71	
2	Site Preparation	Site Preparation	4/25/2018	6/13/2018	6	43	
3	Grading	Grading	6/14/2018	10/19/2018	6	110	
4	Building Construction	Building Construction	10/20/2018	3/4/2022	6	1056	
5	Paving	Paving	3/5/2022	6/3/2022	6	78	
6	Architectural Coating	Architectural Coating	6/4/2022	9/2/2022	6	78	

**Acres of Grading (Site Preparation Phase): 49**

**Acres of Grading (Grading Phase): 49**

**Acres of Paving: 0**

**Residential Indoor: 958,635; Residential Outdoor: 319,545; Non-Residential Indoor: 1,424,412; Non-Residential Outdoor: 474,804  
(Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	494.00	184.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	99.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

### 3.2 Demolition - 2018

#### 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	0.1264	1.3075	1.1262	1.4200e-003		0.0642	0.0642		0.0598	0.0598	0.0000	128.2833	128.2833	0.0355	0.0000	129.0282
<b>Total</b>	<b>0.1264</b>	<b>1.3075</b>	<b>1.1262</b>	<b>1.4200e-003</b>		<b>0.0642</b>	<b>0.0642</b>		<b>0.0598</b>	<b>0.0598</b>	<b>0.0000</b>	<b>128.2833</b>	<b>128.2833</b>	<b>0.0355</b>	<b>0.0000</b>	<b>129.0282</b>

### 3.2 Demolition - 2018

#### 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	1.6000e-003	2.4200e-003	0.0231	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2900e-003	4.0000e-005	1.3200e-003	0.0000	4.0720	4.0720	2.1000e-004	0.0000	4.0764
<b>Total</b>	<b>1.6000e-003</b>	<b>2.4200e-003</b>	<b>0.0231</b>	<b>6.0000e-005</b>	<b>4.8300e-003</b>	<b>4.0000e-005</b>	<b>4.8700e-003</b>	<b>1.2900e-003</b>	<b>4.0000e-005</b>	<b>1.3200e-003</b>	<b>0.0000</b>	<b>4.0720</b>	<b>4.0720</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.0764</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	0.1264	1.3075	1.1262	1.4200e-003		0.0642	0.0642		0.0598	0.0598	0.0000	128.2832	128.2832	0.0355	0.0000	129.0281
<b>Total</b>	<b>0.1264</b>	<b>1.3075</b>	<b>1.1262</b>	<b>1.4200e-003</b>		<b>0.0642</b>	<b>0.0642</b>		<b>0.0598</b>	<b>0.0598</b>	<b>0.0000</b>	<b>128.2832</b>	<b>128.2832</b>	<b>0.0355</b>	<b>0.0000</b>	<b>129.0281</b>

### 3.2 Demolition - 2018

#### 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	1.6000e-003	2.4200e-003	0.0231	6.0000e-005	4.8300e-003	4.0000e-005	4.8700e-003	1.2900e-003	4.0000e-005	1.3200e-003	0.0000	4.0720	4.0720	2.1000e-004	0.0000	4.0764
<b>Total</b>	<b>1.6000e-003</b>	<b>2.4200e-003</b>	<b>0.0231</b>	<b>6.0000e-005</b>	<b>4.8300e-003</b>	<b>4.0000e-005</b>	<b>4.8700e-003</b>	<b>1.2900e-003</b>	<b>4.0000e-005</b>	<b>1.3200e-003</b>	<b>0.0000</b>	<b>4.0720</b>	<b>4.0720</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>4.0764</b>

### 3.3 Site Preparation - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4144	0.0000	0.4144	0.2163	0.0000	0.2163	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0923	0.9806	0.7790	8.4000e-004		0.0509	0.0509		0.0468	0.0468	0.0000	76.8432	76.8432	0.0239	0.0000	77.3456
<b>Total</b>	<b>0.0923</b>	<b>0.9806</b>	<b>0.7790</b>	<b>8.4000e-004</b>	<b>0.4144</b>	<b>0.0509</b>	<b>0.4653</b>	<b>0.2163</b>	<b>0.0468</b>	<b>0.2631</b>	<b>0.0000</b>	<b>76.8432</b>	<b>76.8432</b>	<b>0.0239</b>	<b>0.0000</b>	<b>77.3456</b>

### 3.3 Site Preparation - 2018

#### 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	1.1600e-003	1.7600e-003	0.0168	4.0000e-005	3.5100e-003	3.0000e-005	3.5400e-003	9.3000e-004	3.0000e-005	9.6000e-004	0.0000	2.9594	2.9594	1.5000e-004	0.0000	2.9625
<b>Total</b>	<b>1.1600e-003</b>	<b>1.7600e-003</b>	<b>0.0168</b>	<b>4.0000e-005</b>	<b>3.5100e-003</b>	<b>3.0000e-005</b>	<b>3.5400e-003</b>	<b>9.3000e-004</b>	<b>3.0000e-005</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>2.9594</b>	<b>2.9594</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.9625</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					0.1865	0.0000	0.1865	0.0973	0.0000	0.0973	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0923	0.9806	0.7790	8.4000e-004		0.0509	0.0509		0.0468	0.0468	0.0000	76.8431	76.8431	0.0239	0.0000	77.3455
<b>Total</b>	<b>0.0923</b>	<b>0.9806</b>	<b>0.7790</b>	<b>8.4000e-004</b>	<b>0.1865</b>	<b>0.0509</b>	<b>0.2373</b>	<b>0.0973</b>	<b>0.0468</b>	<b>0.1441</b>	<b>0.0000</b>	<b>76.8431</b>	<b>76.8431</b>	<b>0.0239</b>	<b>0.0000</b>	<b>77.3455</b>

### 3.3 Site Preparation - 2018

#### 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	1.1600e-003	1.7600e-003	0.0168	4.0000e-005	3.5100e-003	3.0000e-005	3.5400e-003	9.3000e-004	3.0000e-005	9.6000e-004	0.0000	2.9594	2.9594	1.5000e-004	0.0000	2.9625
<b>Total</b>	<b>1.1600e-003</b>	<b>1.7600e-003</b>	<b>0.0168</b>	<b>4.0000e-005</b>	<b>3.5100e-003</b>	<b>3.0000e-005</b>	<b>3.5400e-003</b>	<b>9.3000e-004</b>	<b>3.0000e-005</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>2.9594</b>	<b>2.9594</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.9625</b>

### 3.4 Grading - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3572	0.0000	0.3572	0.1849	0.0000	0.1849	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2909	3.2744	2.3269	3.3900e-003		0.1533	0.1533		0.1411	0.1411	0.0000	309.9889	309.9889	0.0965	0.0000	312.0154
<b>Total</b>	<b>0.2909</b>	<b>3.2744</b>	<b>2.3269</b>	<b>3.3900e-003</b>	<b>0.3572</b>	<b>0.1533</b>	<b>0.5105</b>	<b>0.1849</b>	<b>0.1411</b>	<b>0.3259</b>	<b>0.0000</b>	<b>309.9889</b>	<b>309.9889</b>	<b>0.0965</b>	<b>0.0000</b>	<b>312.0154</b>

### 3.4 Grading - 2018

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3100e-003	5.0100e-003	0.0476	1.2000e-004	9.9800e-003	8.0000e-005	0.0101	2.6600e-003	7.0000e-005	2.7300e-003	0.0000	8.4116	8.4116	4.3000e-004	0.0000	8.4207
<b>Total</b>	<b>3.3100e-003</b>	<b>5.0100e-003</b>	<b>0.0476</b>	<b>1.2000e-004</b>	<b>9.9800e-003</b>	<b>8.0000e-005</b>	<b>0.0101</b>	<b>2.6600e-003</b>	<b>7.0000e-005</b>	<b>2.7300e-003</b>	<b>0.0000</b>	<b>8.4116</b>	<b>8.4116</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>8.4207</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					0.1607	0.0000	0.1607	0.0832	0.0000	0.0832	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2909	3.2744	2.3269	3.3900e-003		0.1533	0.1533		0.1411	0.1411	0.0000	309.9885	309.9885	0.0965	0.0000	312.0151
<b>Total</b>	<b>0.2909</b>	<b>3.2744</b>	<b>2.3269</b>	<b>3.3900e-003</b>	<b>0.1607</b>	<b>0.1533</b>	<b>0.3141</b>	<b>0.0832</b>	<b>0.1411</b>	<b>0.2243</b>	<b>0.0000</b>	<b>309.9885</b>	<b>309.9885</b>	<b>0.0965</b>	<b>0.0000</b>	<b>312.0151</b>

### 3.4 Grading - 2018

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3100e-003	5.0100e-003	0.0476	1.2000e-004	9.9800e-003	8.0000e-005	0.0101	2.6600e-003	7.0000e-005	2.7300e-003	0.0000	8.4116	8.4116	4.3000e-004	0.0000	8.4207
<b>Total</b>	<b>3.3100e-003</b>	<b>5.0100e-003</b>	<b>0.0476</b>	<b>1.2000e-004</b>	<b>9.9800e-003</b>	<b>8.0000e-005</b>	<b>0.0101</b>	<b>2.6600e-003</b>	<b>7.0000e-005</b>	<b>2.7300e-003</b>	<b>0.0000</b>	<b>8.4116</b>	<b>8.4116</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>8.4207</b>

### 3.5 Building Construction - 2018

#### 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	0.0827	0.7211	0.5435	8.3000e-004		0.0463	0.0463		0.0436	0.0436	0.0000	73.3986	73.3986	0.0180	0.0000	73.7758
<b>Total</b>	<b>0.0827</b>	<b>0.7211</b>	<b>0.5435</b>	<b>8.3000e-004</b>		<b>0.0463</b>	<b>0.0463</b>		<b>0.0436</b>	<b>0.0436</b>	<b>0.0000</b>	<b>73.3986</b>	<b>73.3986</b>	<b>0.0180</b>	<b>0.0000</b>	<b>73.7758</b>

### 3.5 Building Construction - 2018

#### 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	0.0000
Vendor	0.0604	0.4682	0.7505	1.3600e-003	0.0369	6.9600e-003	0.0438	0.0106	6.4000e-003	0.0170	0.0000	120.1106	120.1106	9.4000e-004	0.0000	120.1303	
Worker	0.0460	0.0697	0.6631	1.6600e-003	0.1390	1.0900e-003	0.1401	0.0370	1.0100e-003	0.0380	0.0000	117.1049	117.1049	6.0000e-003	0.0000	117.2308	
<b>Total</b>	<b>0.1064</b>	<b>0.5379</b>	<b>1.4136</b>	<b>3.0200e-003</b>	<b>0.1759</b>	<b>8.0500e-003</b>	<b>0.1839</b>	<b>0.0476</b>	<b>7.4100e-003</b>	<b>0.0550</b>	<b>0.0000</b>	<b>237.2155</b>	<b>237.2155</b>	<b>6.9400e-003</b>	<b>0.0000</b>	<b>237.3611</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	0.0827	0.7211	0.5435	8.3000e-004		0.0463	0.0463		0.0436	0.0436	0.0000	73.3985	73.3985	0.0180	0.0000	73.7757
<b>Total</b>	<b>0.0827</b>	<b>0.7211</b>	<b>0.5435</b>	<b>8.3000e-004</b>		<b>0.0463</b>	<b>0.0463</b>		<b>0.0436</b>	<b>0.0436</b>	<b>0.0000</b>	<b>73.3985</b>	<b>73.3985</b>	<b>0.0180</b>	<b>0.0000</b>	<b>73.7757</b>



### 3.5 Building Construction - 2018

#### 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	0.0604	0.4682	0.7505	1.3600e-003	0.0369	6.9600e-003	0.0438	0.0106	6.4000e-003	0.0170	0.0000	120.1106	120.1106	9.4000e-004	0.0000	120.1303
Worker	0.0460	0.0697	0.6631	1.6600e-003	0.1390	1.0900e-003	0.1401	0.0370	1.0100e-003	0.0380	0.0000	117.1049	117.1049	6.0000e-003	0.0000	117.2308
<b>Total</b>	<b>0.1064</b>	<b>0.5379</b>	<b>1.4136</b>	<b>3.0200e-003</b>	<b>0.1759</b>	<b>8.0500e-003</b>	<b>0.1839</b>	<b>0.0476</b>	<b>7.4100e-003</b>	<b>0.0550</b>	<b>0.0000</b>	<b>237.2155</b>	<b>237.2155</b>	<b>6.9400e-003</b>	<b>0.0000</b>	<b>237.3611</b>

### 3.5 Building Construction - 2019

#### 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	0.3680	3.2810	2.6793	4.1900e-003		0.2011	0.2011		0.1891	0.1891	0.0000	366.4021	366.4021	0.0892	0.0000	368.2742
<b>Total</b>	<b>0.3680</b>	<b>3.2810</b>	<b>2.6793</b>	<b>4.1900e-003</b>		<b>0.2011</b>	<b>0.2011</b>		<b>0.1891</b>	<b>0.1891</b>	<b>0.0000</b>	<b>366.4021</b>	<b>366.4021</b>	<b>0.0892</b>	<b>0.0000</b>	<b>368.2742</b>

### 3.5 Building Construction - 2019

#### 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	0.2785	2.1566	3.5844	6.8700e-003	0.1862	0.0326	0.2188	0.0535	0.0300	0.0835	0.0000	595.8912	595.8912	4.6200e-003	0.0000	595.9882
Worker	0.2113	0.3206	3.0379	8.3700e-003	0.7017	5.3700e-003	0.7071	0.1867	4.9800e-003	0.1916	0.0000	569.9676	569.9676	0.0282	0.0000	570.5590
<b>Total</b>	<b>0.4898</b>	<b>2.4772</b>	<b>6.6223</b>	<b>0.0152</b>	<b>0.8879</b>	<b>0.0380</b>	<b>0.9259</b>	<b>0.2401</b>	<b>0.0350</b>	<b>0.2751</b>	<b>0.0000</b>	<b>1,165.8589</b>	<b>1,165.8589</b>	<b>0.0328</b>	<b>0.0000</b>	<b>1,166.5472</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	0.3680	3.2810	2.6793	4.1900e-003		0.2011	0.2011		0.1891	0.1891	0.0000	366.4017	366.4017	0.0892	0.0000	368.2738
<b>Total</b>	<b>0.3680</b>	<b>3.2810</b>	<b>2.6793</b>	<b>4.1900e-003</b>		<b>0.2011</b>	<b>0.2011</b>		<b>0.1891</b>	<b>0.1891</b>	<b>0.0000</b>	<b>366.4017</b>	<b>366.4017</b>	<b>0.0892</b>	<b>0.0000</b>	<b>368.2738</b>

### 3.5 Building Construction - 2019

#### 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	0.2785	2.1566	3.5844	6.8700e-003	0.1862	0.0326	0.2188	0.0535	0.0300	0.0835	0.0000	595.8912	595.8912	4.6200e-003	0.0000	595.9882
Worker	0.2113	0.3206	3.0379	8.3700e-003	0.7017	5.3700e-003	0.7071	0.1867	4.9800e-003	0.1916	0.0000	569.9676	569.9676	0.0282	0.0000	570.5590
<b>Total</b>	<b>0.4898</b>	<b>2.4772</b>	<b>6.6223</b>	<b>0.0152</b>	<b>0.8879</b>	<b>0.0380</b>	<b>0.9259</b>	<b>0.2401</b>	<b>0.0350</b>	<b>0.2751</b>	<b>0.0000</b>	<b>1,165.8589</b>	<b>1,165.8589</b>	<b>0.0328</b>	<b>0.0000</b>	<b>1,166.5472</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3315	2.9962	2.6389	4.2100e-003		0.1747	0.1747		0.1643	0.1643	0.0000	362.1203	362.1203	0.0882	0.0000	363.9731
<b>Total</b>	<b>0.3315</b>	<b>2.9962</b>	<b>2.6389</b>	<b>4.2100e-003</b>		<b>0.1747</b>	<b>0.1747</b>		<b>0.1643</b>	<b>0.1643</b>	<b>0.0000</b>	<b>362.1203</b>	<b>362.1203</b>	<b>0.0882</b>	<b>0.0000</b>	<b>363.9731</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2555	1.8430	3.4222	6.8800e-003	0.1868	0.0292	0.2160	0.0537	0.0269	0.0805	0.0000	584.0049	584.0049	4.4900e-003	0.0000	584.0992
Worker	0.1972	0.2963	2.8106	8.3900e-003	0.7040	5.3200e-003	0.7093	0.1873	4.9300e-003	0.1922	0.0000	548.8592	548.8592	0.0266	0.0000	549.4173
<b>Total</b>	<b>0.4527</b>	<b>2.1392</b>	<b>6.2329</b>	<b>0.0153</b>	<b>0.8907</b>	<b>0.0346</b>	<b>0.9253</b>	<b>0.2409</b>	<b>0.0318</b>	<b>0.2727</b>	<b>0.0000</b>	<b>1,132.8641</b>	<b>1,132.8641</b>	<b>0.0311</b>	<b>0.0000</b>	<b>1,133.5165</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	0.3315	2.9962	2.6389	4.2100e-003		0.1747	0.1747		0.1643	0.1643	0.0000	362.1199	362.1199	0.0882	0.0000	363.9726
<b>Total</b>	<b>0.3315</b>	<b>2.9962</b>	<b>2.6389</b>	<b>4.2100e-003</b>		<b>0.1747</b>	<b>0.1747</b>		<b>0.1643</b>	<b>0.1643</b>	<b>0.0000</b>	<b>362.1199</b>	<b>362.1199</b>	<b>0.0882</b>	<b>0.0000</b>	<b>363.9726</b>

### 3.5 Building Construction - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2555	1.8430	3.4222	6.8800e-003	0.1868	0.0292	0.2160	0.0537	0.0269	0.0805	0.0000	584.0049	584.0049	4.4900e-003	0.0000	584.0992
Worker	0.1972	0.2963	2.8106	8.3900e-003	0.7040	5.3200e-003	0.7093	0.1873	4.9300e-003	0.1922	0.0000	548.8592	548.8592	0.0266	0.0000	549.4173
<b>Total</b>	<b>0.4527</b>	<b>2.1392</b>	<b>6.2329</b>	<b>0.0153</b>	<b>0.8907</b>	<b>0.0346</b>	<b>0.9253</b>	<b>0.2409</b>	<b>0.0318</b>	<b>0.2727</b>	<b>0.0000</b>	<b>1,132.8641</b>	<b>1,132.8641</b>	<b>0.0311</b>	<b>0.0000</b>	<b>1,133.5165</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2963	2.7138	2.5881	4.2000e-003		0.1494	0.1494		0.1405	0.1405	0.0000	361.0099	361.0099	0.0870	0.0000	362.8364
<b>Total</b>	<b>0.2963</b>	<b>2.7138</b>	<b>2.5881</b>	<b>4.2000e-003</b>		<b>0.1494</b>	<b>0.1494</b>		<b>0.1405</b>	<b>0.1405</b>	<b>0.0000</b>	<b>361.0099</b>	<b>361.0099</b>	<b>0.0870</b>	<b>0.0000</b>	<b>362.8364</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2456	1.5082	3.3238	6.8500e-003	0.1862	0.0262	0.2124	0.0535	0.0241	0.0776	0.0000	581.3314	581.3314	4.4700e-003	0.0000	581.4252
Worker	0.1854	0.2748	2.6146	8.3700e-003	0.7017	5.2800e-003	0.7070	0.1867	4.8900e-003	0.1916	0.0000	537.5276	537.5276	0.0251	0.0000	538.0555
<b>Total</b>	<b>0.4310</b>	<b>1.7829</b>	<b>5.9383</b>	<b>0.0152</b>	<b>0.8879</b>	<b>0.0315</b>	<b>0.9194</b>	<b>0.2402</b>	<b>0.0290</b>	<b>0.2691</b>	<b>0.0000</b>	<b>1,118.8590</b>	<b>1,118.8590</b>	<b>0.0296</b>	<b>0.0000</b>	<b>1,119.4807</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	0.2963	2.7138	2.5881	4.2000e-003		0.1494	0.1494		0.1405	0.1405	0.0000	361.0095	361.0095	0.0870	0.0000	362.8359
<b>Total</b>	<b>0.2963</b>	<b>2.7138</b>	<b>2.5881</b>	<b>4.2000e-003</b>		<b>0.1494</b>	<b>0.1494</b>		<b>0.1405</b>	<b>0.1405</b>	<b>0.0000</b>	<b>361.0095</b>	<b>361.0095</b>	<b>0.0870</b>	<b>0.0000</b>	<b>362.8359</b>

**3.5 Building Construction - 2021****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2456	1.5082	3.3238	6.8500e-003	0.1862	0.0262	0.2124	0.0535	0.0241	0.0776	0.0000	581.3314	581.3314	4.4700e-003	0.0000	581.4252
Worker	0.1854	0.2748	2.6146	8.3700e-003	0.7017	5.2800e-003	0.7070	0.1867	4.8900e-003	0.1916	0.0000	537.5276	537.5276	0.0251	0.0000	538.0555
<b>Total</b>	<b>0.4310</b>	<b>1.7829</b>	<b>5.9383</b>	<b>0.0152</b>	<b>0.8879</b>	<b>0.0315</b>	<b>0.9194</b>	<b>0.2402</b>	<b>0.0290</b>	<b>0.2691</b>	<b>0.0000</b>	<b>1,118.8590</b>	<b>1,118.8590</b>	<b>0.0296</b>	<b>0.0000</b>	<b>1,119.4807</b>

**3.5 Building Construction - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0459	0.4195	0.4408	7.2000e-004		0.0218	0.0218		0.0205	0.0205	0.0000	62.3066	62.3066	0.0149	0.0000	62.6196
<b>Total</b>	<b>0.0459</b>	<b>0.4195</b>	<b>0.4408</b>	<b>7.2000e-004</b>		<b>0.0218</b>	<b>0.0218</b>		<b>0.0205</b>	<b>0.0205</b>	<b>0.0000</b>	<b>62.3066</b>	<b>62.3066</b>	<b>0.0149</b>	<b>0.0000</b>	<b>62.6196</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0405	0.2297	0.5465	1.1800e-003	0.0321	4.4500e-003	0.0366	9.2300e-003	4.0900e-003	0.0133	0.0000	100.2017	100.2017	7.9000e-004	0.0000	100.2183
Worker	0.0302	0.0443	0.4217	1.4400e-003	0.1211	9.1000e-004	0.1220	0.0322	8.4000e-004	0.0330	0.0000	91.2233	91.2233	4.1300e-003	0.0000	91.3101
<b>Total</b>	<b>0.0708</b>	<b>0.2740</b>	<b>0.9682</b>	<b>2.6200e-003</b>	<b>0.1532</b>	<b>5.3600e-003</b>	<b>0.1586</b>	<b>0.0414</b>	<b>4.9300e-003</b>	<b>0.0464</b>	<b>0.0000</b>	<b>191.4250</b>	<b>191.4250</b>	<b>4.9200e-003</b>	<b>0.0000</b>	<b>191.5283</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	0.0459	0.4195	0.4408	7.2000e-004		0.0218	0.0218		0.0205	0.0205	0.0000	62.3065	62.3065	0.0149	0.0000	62.6195
<b>Total</b>	<b>0.0459</b>	<b>0.4195</b>	<b>0.4408</b>	<b>7.2000e-004</b>		<b>0.0218</b>	<b>0.0218</b>		<b>0.0205</b>	<b>0.0205</b>	<b>0.0000</b>	<b>62.3065</b>	<b>62.3065</b>	<b>0.0149</b>	<b>0.0000</b>	<b>62.6195</b>



### 3.5 Building Construction - 2022

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0405	0.2297	0.5465	1.1800e-003	0.0321	4.4500e-003	0.0366	9.2300e-003	4.0900e-003	0.0133	0.0000	100.2017	100.2017	7.9000e-004	0.0000	100.2183
Worker	0.0302	0.0443	0.4217	1.4400e-003	0.1211	9.1000e-004	0.1220	0.0322	8.4000e-004	0.0330	0.0000	91.2233	91.2233	4.1300e-003	0.0000	91.3101
<b>Total</b>	<b>0.0708</b>	<b>0.2740</b>	<b>0.9682</b>	<b>2.6200e-003</b>	<b>0.1532</b>	<b>5.3600e-003</b>	<b>0.1586</b>	<b>0.0414</b>	<b>4.9300e-003</b>	<b>0.0464</b>	<b>0.0000</b>	<b>191.4250</b>	<b>191.4250</b>	<b>4.9200e-003</b>	<b>0.0000</b>	<b>191.5283</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	0.0422	0.4255	0.5570	8.7000e-004		0.0218	0.0218		0.0200	0.0200	0.0000	76.4455	76.4455	0.0247	0.0000	76.9648
Paving	0.0160					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0582</b>	<b>0.4255</b>	<b>0.5570</b>	<b>8.7000e-004</b>		<b>0.0218</b>	<b>0.0218</b>		<b>0.0200</b>	<b>0.0200</b>	<b>0.0000</b>	<b>76.4455</b>	<b>76.4455</b>	<b>0.0247</b>	<b>0.0000</b>	<b>76.9648</b>

### 3.6 Paving - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3300e-003	1.9400e-003	0.0185	6.0000e-005	5.3100e-003	4.0000e-005	5.3500e-003	1.4100e-003	4.0000e-005	1.4500e-003	0.0000	4.0010	4.0010	1.8000e-004	0.0000	4.0048
<b>Total</b>	<b>1.3300e-003</b>	<b>1.9400e-003</b>	<b>0.0185</b>	<b>6.0000e-005</b>	<b>5.3100e-003</b>	<b>4.0000e-005</b>	<b>5.3500e-003</b>	<b>1.4100e-003</b>	<b>4.0000e-005</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>4.0010</b>	<b>4.0010</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>4.0048</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	0.0422	0.4255	0.5570	8.7000e-004		0.0218	0.0218		0.0200	0.0200	0.0000	76.4455	76.4455	0.0247	0.0000	76.9647
Paving	0.0160					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0582</b>	<b>0.4255</b>	<b>0.5570</b>	<b>8.7000e-004</b>		<b>0.0218</b>	<b>0.0218</b>		<b>0.0200</b>	<b>0.0200</b>	<b>0.0000</b>	<b>76.4455</b>	<b>76.4455</b>	<b>0.0247</b>	<b>0.0000</b>	<b>76.9647</b>

### 3.6 Paving - 2022

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3300e-003	1.9400e-003	0.0185	6.0000e-005	5.3100e-003	4.0000e-005	5.3500e-003	1.4100e-003	4.0000e-005	1.4500e-003	0.0000	4.0010	4.0010	1.8000e-004	0.0000	4.0048
<b>Total</b>	<b>1.3300e-003</b>	<b>1.9400e-003</b>	<b>0.0185</b>	<b>6.0000e-005</b>	<b>5.3100e-003</b>	<b>4.0000e-005</b>	<b>5.3500e-003</b>	<b>1.4100e-003</b>	<b>4.0000e-005</b>	<b>1.4500e-003</b>	<b>0.0000</b>	<b>4.0010</b>	<b>4.0010</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>4.0048</b>

### 3.7 Architectural Coating - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	8.2841					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9800e-003	0.0549	0.0707	1.2000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	9.9577	9.9577	6.5000e-004	0.0000	9.9713
<b>Total</b>	<b>8.2921</b>	<b>0.0549</b>	<b>0.0707</b>	<b>1.2000e-004</b>		<b>3.1900e-003</b>	<b>3.1900e-003</b>		<b>3.1900e-003</b>	<b>3.1900e-003</b>	<b>0.0000</b>	<b>9.9577</b>	<b>9.9577</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>9.9713</b>

### 3.7 Architectural Coating - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	8.7500e-003	0.0128	0.1221	4.2000e-004	0.0350	2.6000e-004	0.0353	9.3200e-003	2.4000e-004	9.5700e-003	0.0000	26.4067	26.4067	1.2000e-003	0.0000	26.4319	
<b>Total</b>	<b>8.7500e-003</b>	<b>0.0128</b>	<b>0.1221</b>	<b>4.2000e-004</b>	<b>0.0350</b>	<b>2.6000e-004</b>	<b>0.0353</b>	<b>9.3200e-003</b>	<b>2.4000e-004</b>	<b>9.5700e-003</b>	<b>0.0000</b>	<b>26.4067</b>	<b>26.4067</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>26.4319</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	8.2841					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9800e-003	0.0549	0.0707	1.2000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	9.9577	9.9577	6.5000e-004	0.0000	9.9713
<b>Total</b>	<b>8.2921</b>	<b>0.0549</b>	<b>0.0707</b>	<b>1.2000e-004</b>		<b>3.1900e-003</b>	<b>3.1900e-003</b>		<b>3.1900e-003</b>	<b>3.1900e-003</b>	<b>0.0000</b>	<b>9.9577</b>	<b>9.9577</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>9.9713</b>

### 3.7 Architectural Coating - 2022

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.7500e-003	0.0128	0.1221	4.2000e-004	0.0350	2.6000e-004	0.0353	9.3200e-003	2.4000e-004	9.5700e-003	0.0000	26.4067	26.4067	1.2000e-003	0.0000	26.4319
<b>Total</b>	<b>8.7500e-003</b>	<b>0.0128</b>	<b>0.1221</b>	<b>4.2000e-004</b>	<b>0.0350</b>	<b>2.6000e-004</b>	<b>0.0353</b>	<b>9.3200e-003</b>	<b>2.4000e-004</b>	<b>9.5700e-003</b>	<b>0.0000</b>	<b>26.4067</b>	<b>26.4067</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>26.4319</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	1.6031	1.6114	8.3812	0.0207	1.8505	0.0162	1.8667	0.4947	0.0151	0.5099	0.0000	1,887.0997	1,887.0997	0.0570	0.0000	1,888.2976
Unmitigated	1.6031	1.6114	8.3812	0.0207	1.8505	0.0162	1.8667	0.4947	0.0151	0.5099	0.0000	1,887.0997	1,887.0997	0.0570	0.0000	1,888.2976

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	2,424.86	2,553.73	2,222.35	5,009,273	5,009,273
<b>Total</b>	<b>2,424.86</b>	<b>2,553.73</b>	<b>2,222.35</b>	<b>5,009,273</b>	<b>5,009,273</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-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	5.70	5.70	5.70	26.10	29.10	44.80	100	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.574575	0.041173	0.182393	0.118287	0.017742	0.004904	0.017277	0.011858	0.000639	0.000619	0.026706	0.000291	0.002949

**5.0 Energy Detail**

**5.1 Fleet Mix**

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	238.1671	238.1671	0.0238	4.9300e-003	240.1948
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	238.1671	238.1671	0.0238	4.9300e-003	240.1948
NaturalGas Mitigated	0.0546	0.4662	0.1984	2.9800e-003		0.0377	0.0377		0.0377	0.0377	0.0000	539.8850	539.8850	0.0104	9.9000e-003	543.1707
NaturalGas Unmitigated	0.0546	0.4662	0.1984	2.9800e-003		0.0377	0.0377		0.0377	0.0377	0.0000	539.8850	539.8850	0.0104	9.9000e-003	543.1707

**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					
City Park	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.01171e+007	0.0546	0.4662	0.1984	2.9800e-003		0.0377	0.0377		0.0377	0.0377	0.0000	539.8850	539.8850	0.0104	9.9000e-003	543.1707
<b>Total</b>		<b>0.0546</b>	<b>0.4662</b>	<b>0.1984</b>	<b>2.9800e-003</b>		<b>0.0377</b>	<b>0.0377</b>		<b>0.0377</b>	<b>0.0377</b>	<b>0.0000</b>	<b>539.8850</b>	<b>539.8850</b>	<b>0.0104</b>	<b>9.9000e-003</b>	<b>543.1707</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.01171e+007	0.0546	0.4662	0.1984	2.9800e-003		0.0377	0.0377		0.0377	0.0377	0.0000	539.8850	539.8850	0.0104	9.9000e-003	543.1707
City Park	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>0.0546</b>	<b>0.4662</b>	<b>0.1984</b>	<b>2.9800e-003</b>		<b>0.0377</b>	<b>0.0377</b>		<b>0.0377</b>	<b>0.0377</b>	<b>0.0000</b>	<b>539.8850</b>	<b>539.8850</b>	<b>0.0104</b>	<b>9.9000e-003</b>	<b>543.1707</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.81058e+006	238.1671	0.0238	4.9300e-003	240.1948
<b>Total</b>		<b>238.1671</b>	<b>0.0238</b>	<b>4.9300e-003</b>	<b>240.1948</b>



### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.81058e+006	238.1671	0.0238	4.9300e-003	240.1948
<b>Total</b>		<b>238.1671</b>	<b>0.0238</b>	<b>4.9300e-003</b>	<b>240.1948</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	6.4467	0.0225	1.9535	1.0000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	21.7287	21.7287	3.4200e-003	3.4000e-004	21.9059
Unmitigated	6.4467	0.0225	1.9535	1.0000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	21.7287	21.7287	3.4200e-003	3.4000e-004	21.9059

### 6.2 Area by SubCategory

#### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.8284					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.5576					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.8700e-003	0.0000	1.0000e-004	0.0000		1.2900e-003	1.2900e-003		1.2800e-003	1.2800e-003	0.0000	18.5384	18.5384	3.6000e-004	3.4000e-004	18.6512
Landscaping	0.0589	0.0225	1.9534	1.0000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	3.1903	3.1903	3.0700e-003	0.0000	3.2547
<b>Total</b>	<b>6.4467</b>	<b>0.0225</b>	<b>1.9535</b>	<b>1.0000e-004</b>		<b>0.0121</b>	<b>0.0121</b>		<b>0.0121</b>	<b>0.0121</b>	<b>0.0000</b>	<b>21.7287</b>	<b>21.7287</b>	<b>3.4300e-003</b>	<b>3.4000e-004</b>	<b>21.9059</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.8284					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.5576					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.8700e-003	0.0000	1.0000e-004	0.0000		1.2900e-003	1.2900e-003		1.2800e-003	1.2800e-003	0.0000	18.5384	18.5384	3.6000e-004	3.4000e-004	18.6512
Landscaping	0.0589	0.0225	1.9534	1.0000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	3.1903	3.1903	3.0700e-003	0.0000	3.2547
<b>Total</b>	<b>6.4467</b>	<b>0.0225</b>	<b>1.9535</b>	<b>1.0000e-004</b>		<b>0.0121</b>	<b>0.0121</b>		<b>0.0121</b>	<b>0.0121</b>	<b>0.0000</b>	<b>21.7287</b>	<b>21.7287</b>	<b>3.4300e-003</b>	<b>3.4000e-004</b>	<b>21.9059</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	20.4279	0.0246	0.0150	25.5961
Unmitigated	20.4279	0.0247	0.0150	25.6069

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	5.5688 / 0	5.9340	7.1800e-003	4.3700e-003	7.4384
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	13.602 / 0	14.4940	0.0175	0.0107	18.1685
<b>Total</b>		<b>20.4279</b>	<b>0.0247</b>	<b>0.0150</b>	<b>25.6069</b>

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	5.5688 / 0	5.9340	7.1400e-003	4.3600e-003	7.4352
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	13.602 / 0	14.4940	0.0174	0.0107	18.1608
<b>Total</b>		<b>20.4279</b>	<b>0.0246</b>	<b>0.0150</b>	<b>25.5961</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	5.9172	0.3497	0.0000	13.2608
Unmitigated	5.9172	0.3497	0.0000	13.2608

### 8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.09	0.0183	1.0800e-003	0.0000	0.0409
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	29.06	5.8989	0.3486	0.0000	13.2199
<b>Total</b>		<b>5.9172</b>	<b>0.3497</b>	<b>0.0000</b>	<b>13.2608</b>

## 8.2 Waste by Land Use

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.09	0.0183	1.0800e-003	0.0000	0.0409
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	29.06	5.8989	0.3486	0.0000	13.2199
<b>Total</b>		<b>5.9172</b>	<b>0.3497</b>	<b>0.0000</b>	<b>13.2608</b>

## 9.0 Operational Offroad

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

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-211.1900	0.0000	0.0000	-211.1900

### 10.1 Vegetation Land Change

#### Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Grassland	49 / 0	-211.1900	0.0000	0.0000	-211.1900
<b>Total</b>		<b>-211.1900</b>	<b>0.0000</b>	<b>0.0000</b>	<b>-211.1900</b>

## Oak Knoll Phase III Operational GHGs Alameda County, Annual

### 1.0 Project Characteristics

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#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.20	Acre	3.20	139,392.00	0
City Park	3.60	Acre	3.60	156,816.00	0
Condo/Townhouse	340.00	Dwelling Unit	21.00	340,000.00	813

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	63
<b>Climate Zone</b>	5			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	290	<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 - PG&E GHG Utility Factor.

Land Use - Project specific data.

Construction Phase - Project specific schedule.

Grading - Project specific data.

Architectural Coating -

Vehicle Trips - Fehr and Peers project specific trip data.

Construction Off-road Equipment Mitigation -

Woodstoves - BAAQMD Reg 6 Rule 3

Energy Use - Title 24 Energy Reductions per CEC.

Water And Wastewater - BKF projected water consumption.

Solid Waste - Oakland ECAP Waste Reduction Goal.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	35.00	51.00
tblConstructionPhase	NumDays	440.00	645.00
tblConstructionPhase	NumDays	30.00	44.00
tblConstructionPhase	NumDays	45.00	66.00
tblConstructionPhase	NumDays	35.00	51.00
tblConstructionPhase	NumDays	20.00	29.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	T24E	135.74	97.73
tblEnergyUse	T24NG	21,338.24	15,363.53
tblFireplaces	NumberGas	187.00	234.60

tblFireplaces	NumberWood	47.60	0.00
tblGrading	AcresOfGrading	165.00	27.80
tblGrading	AcresOfGrading	0.00	27.80
tblLandUse	LotAcreage	21.25	21.00
tblLandUse	Population	972.00	813.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblProjectCharacteristics	OperationalYear	2014	2024
tblSolidWaste	SolidWasteGenerationRate	0.31	0.03
tblSolidWaste	SolidWasteGenerationRate	156.40	17.20
tblVehicleEF	HHD	527.63	11,915.71
tblVehicleEF	HHD	1,551.39	1,631.45
tblVehicleEF	HHD	49.32	0.80
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	3.27	36.02
tblVehicleEF	HHD	2.13	2.42
tblVehicleEF	HHD	3.88	0.02
tblVehicleEF	HHD	9.0910e-003	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.07	7.6092e-003
tblVehicleEF	HHD	8.3800e-004	6.4273e-006
tblVehicleEF	HHD	8.3640e-003	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.7720e-003	8.9767e-003
tblVehicleEF	HHD	0.07	7.2798e-003
tblVehicleEF	HHD	7.7700e-004	5.9096e-006
tblVehicleEF	HHD	1.2500e-003	1.1619e-004
tblVehicleEF	HHD	0.08	3.3773e-004

tblVehicleEF	HHD	0.61	1.09
tblVehicleEF	HHD	8.9000e-004	8.0637e-005
tblVehicleEF	HHD	0.22	0.09
tblVehicleEF	HHD	0.40	1.4993e-003
tblVehicleEF	HHD	1.60	5.8680e-003
tblVehicleEF	LDA	219.18	238.69
tblVehicleEF	LDA	48.27	54.13
tblVehicleEF	LDA	0.54	0.58
tblVehicleEF	LDA	0.07	0.04
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.8980e-003	1.7351e-003
tblVehicleEF	LDA	4.2000e-003	2.2305e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.7600e-003	1.5990e-003
tblVehicleEF	LDA	3.8970e-003	2.0509e-003
tblVehicleEF	LDA	0.02	0.18
tblVehicleEF	LDA	0.07	0.10
tblVehicleEF	LDA	0.02	0.17
tblVehicleEF	LDA	0.01	9.0082e-003
tblVehicleEF	LDA	0.20	0.21
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDT1	271.84	289.65
tblVehicleEF	LDT1	59.80	66.90
tblVehicleEF	LDT1	0.06	0.04
tblVehicleEF	LDT1	0.16	0.09

tblVehicleEF	LDT1	0.17	0.13
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.8090e-003	2.2498e-003
tblVehicleEF	LDT1	4.6960e-003	2.9658e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.6050e-003	2.0731e-003
tblVehicleEF	LDT1	4.3570e-003	2.7271e-003
tblVehicleEF	LDT1	0.08	0.47
tblVehicleEF	LDT1	0.21	0.22
tblVehicleEF	LDT1	0.08	0.42
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.74	0.83
tblVehicleEF	LDT1	0.22	0.16
tblVehicleEF	LDT2	334.46	326.25
tblVehicleEF	LDT2	73.52	74.96
tblVehicleEF	LDT2	0.17	0.18
tblVehicleEF	LDT2	0.10	0.06
tblVehicleEF	LDT2	0.13	0.10
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.8300e-003	1.7302e-003
tblVehicleEF	LDT2	4.0760e-003	2.3319e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.6980e-003	1.5912e-003
tblVehicleEF	LDT2	3.7820e-003	2.1441e-003

tblVehicleEF	LDT2	0.04	0.22
tblVehicleEF	LDT2	0.12	0.10
tblVehicleEF	LDT2	0.04	0.23
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.39	0.38
tblVehicleEF	LDT2	0.12	0.08
tblVehicleEF	LHD1	7.80	124.23
tblVehicleEF	LHD1	760.22	700.56
tblVehicleEF	LHD1	40.00	29.65
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.05	1.02
tblVehicleEF	LHD1	0.81	1.09
tblVehicleEF	LHD1	1.19	0.93
tblVehicleEF	LHD1	5.5800e-004	0.01
tblVehicleEF	LHD1	0.05	0.08
tblVehicleEF	LHD1	9.1290e-003	9.9054e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7200e-004	8.2605e-004
tblVehicleEF	LHD1	5.1400e-004	0.01
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.2820e-003	2.4764e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.2400e-004	7.5952e-004
tblVehicleEF	LHD1	1.8220e-003	0.03
tblVehicleEF	LHD1	0.07	0.09
tblVehicleEF	LHD1	0.03	0.22
tblVehicleEF	LHD1	1.1450e-003	0.02
tblVehicleEF	LHD1	0.10	0.11

tblVehicleEF	LHD1	0.43	0.68
tblVehicleEF	LHD1	0.31	0.23
tblVehicleEF	LHD2	8.58	184.54
tblVehicleEF	LHD2	657.39	713.08
tblVehicleEF	LHD2	26.95	22.66
tblVehicleEF	LHD2	4.5480e-003	4.8880e-003
tblVehicleEF	LHD2	0.10	1.25
tblVehicleEF	LHD2	1.16	0.66
tblVehicleEF	LHD2	0.73	0.42
tblVehicleEF	LHD2	1.1160e-003	0.02
tblVehicleEF	LHD2	0.06	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	3.1900e-004	3.5899e-004
tblVehicleEF	LHD2	1.0270e-003	0.02
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	2.5360e-003	2.6610e-003
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	2.9600e-004	3.3008e-004
tblVehicleEF	LHD2	9.8400e-004	0.01
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.18
tblVehicleEF	LHD2	6.3700e-004	6.2207e-003
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.24	0.18
tblVehicleEF	LHD2	0.17	0.08
tblVehicleEF	MCY	150.64	175.14
tblVehicleEF	MCY	37.25	45.44

tblVehicleEF	MCY	5.6760e-003	0.03
tblVehicleEF	MCY	1.23	1.16
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	0.04	0.01
tblVehicleEF	MCY	8.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.8600e-004	2.1383e-003
tblVehicleEF	MCY	7.7900e-004	3.7345e-003
tblVehicleEF	MCY	0.02	5.0400e-003
tblVehicleEF	MCY	2.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.4500e-004	1.9989e-003
tblVehicleEF	MCY	6.6600e-004	3.5162e-003
tblVehicleEF	MCY	0.59	1.60
tblVehicleEF	MCY	0.35	0.73
tblVehicleEF	MCY	0.33	0.99
tblVehicleEF	MCY	2.67	2.31
tblVehicleEF	MCY	1.22	2.29
tblVehicleEF	MCY	2.23	2.24
tblVehicleEF	MDV	447.62	441.43
tblVehicleEF	MDV	98.69	99.76
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.20	0.12
tblVehicleEF	MDV	0.32	0.23
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.0280e-003	1.8426e-003
tblVehicleEF	MDV	4.0140e-003	2.4734e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003

tblVehicleEF	MDV	1.8810e-003	1.6976e-003
tblVehicleEF	MDV	3.7240e-003	2.2743e-003
tblVehicleEF	MDV	0.07	0.34
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.07	0.37
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.64	0.55
tblVehicleEF	MDV	0.30	0.20
tblVehicleEF	MH	665.11	1,210.52
tblVehicleEF	MH	28.78	59.04
tblVehicleEF	MH	1.4000e-003	2.8770e-003
tblVehicleEF	MH	1.03	1.19
tblVehicleEF	MH	0.67	0.81
tblVehicleEF	MH	0.05	0.13
tblVehicleEF	MH	8.4680e-003	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.5900e-004	1.0960e-003
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	2.1170e-003	3.2078e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.2600e-004	1.0077e-003
tblVehicleEF	MH	0.56	0.07
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.24	0.03
tblVehicleEF	MH	0.06	0.08
tblVehicleEF	MH	1.29	1.85
tblVehicleEF	MH	0.32	0.31
tblVehicleEF	MHD	572.65	634.35



tblVehicleEF	MHD	1,004.94	1,181.37
tblVehicleEF	MHD	49.32	8.39
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.33	1.75
tblVehicleEF	MHD	0.99	1.17
tblVehicleEF	MHD	1.43	0.12
tblVehicleEF	MHD	7.6380e-003	4.2982e-004
tblVehicleEF	MHD	0.12	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	3.4494e-003
tblVehicleEF	MHD	1.0610e-003	1.1763e-004
tblVehicleEF	MHD	7.0270e-003	4.2982e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	2.8910e-003	3.0000e-003
tblVehicleEF	MHD	0.03	3.2966e-003
tblVehicleEF	MHD	9.8500e-004	1.0816e-004
tblVehicleEF	MHD	1.5750e-003	2.3528e-003
tblVehicleEF	MHD	0.08	6.2088e-003
tblVehicleEF	MHD	0.18	0.07
tblVehicleEF	MHD	9.7900e-004	1.4003e-003
tblVehicleEF	MHD	0.11	0.04
tblVehicleEF	MHD	0.44	0.03
tblVehicleEF	MHD	0.76	0.05
tblVehicleEF	OBUS	533.48	360.48
tblVehicleEF	OBUS	1,045.10	1,236.90
tblVehicleEF	OBUS	32.73	73.47
tblVehicleEF	OBUS	1.8110e-003	6.4500e-004
tblVehicleEF	OBUS	3.20	0.05

tblVehicleEF	OBUS	1.12	0.23
tblVehicleEF	OBUS	1.18	1.01
tblVehicleEF	OBUS	8.7920e-003	0.00
tblVehicleEF	OBUS	0.10	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	1.2154e-003
tblVehicleEF	OBUS	4.5100e-004	9.6614e-004
tblVehicleEF	OBUS	8.0890e-003	0.00
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.6290e-003	3.0000e-003
tblVehicleEF	OBUS	0.03	1.1175e-003
tblVehicleEF	OBUS	4.1900e-004	8.8833e-004
tblVehicleEF	OBUS	6.8200e-004	0.03
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.56	0.58
tblVehicleEF	OBUS	3.4900e-004	0.01
tblVehicleEF	OBUS	0.12	0.03
tblVehicleEF	OBUS	0.31	0.23
tblVehicleEF	OBUS	0.52	0.37
tblVehicleEF	SBUS	556.14	3,069.02
tblVehicleEF	SBUS	966.46	972.23
tblVehicleEF	SBUS	115.30	59.57
tblVehicleEF	SBUS	1.8900e-004	2.9800e-004
tblVehicleEF	SBUS	7.12	18.35
tblVehicleEF	SBUS	5.53	2.79
tblVehicleEF	SBUS	2.38	0.60
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.47	0.74

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	3.0800e-003	1.0675e-003
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.20	0.32
tblVehicleEF	SBUS	2.6090e-003	2.5110e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	2.8580e-003	9.8150e-004
tblVehicleEF	SBUS	0.02	9.4558e-003
tblVehicleEF	SBUS	0.19	0.03
tblVehicleEF	SBUS	0.10	4.13
tblVehicleEF	SBUS	8.0390e-003	4.6029e-003
tblVehicleEF	SBUS	0.26	0.09
tblVehicleEF	SBUS	2.54	0.17
tblVehicleEF	SBUS	1.49	0.43
tblVehicleEF	UBUS	2,139.09	2,188.84
tblVehicleEF	UBUS	9.91	79.76
tblVehicleEF	UBUS	3.5990e-003	5.9600e-004
tblVehicleEF	UBUS	13.62	14.46
tblVehicleEF	UBUS	0.63	1.01
tblVehicleEF	UBUS	0.78	0.65
tblVehicleEF	UBUS	8.0000e-003	0.01
tblVehicleEF	UBUS	0.23	0.30
tblVehicleEF	UBUS	2.1800e-004	9.3293e-004
tblVehicleEF	UBUS	0.34	0.28
tblVehicleEF	UBUS	2.0000e-003	3.0000e-003
tblVehicleEF	UBUS	0.21	0.28
tblVehicleEF	UBUS	2.0200e-004	8.5780e-004

tblVehicleEF	UBUS	1.6400e-003	9.2989e-003
tblVehicleEF	UBUS	0.04	0.05
tblVehicleEF	UBUS	7.8000e-004	4.6684e-003
tblVehicleEF	UBUS	0.60	0.74
tblVehicleEF	UBUS	0.39	0.47
tblVehicleEF	UBUS	0.37	0.57
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	5.40	5.70
tblVehicleTrips	HS_TL	4.30	5.70
tblVehicleTrips	HW_TL	12.40	5.70
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	1.59	0.00
tblVehicleTrips	ST_TR	7.16	5.93
tblVehicleTrips	SU_TR	1.59	0.00
tblVehicleTrips	SU_TR	6.07	5.16
tblVehicleTrips	WD_TR	1.59	0.00
tblVehicleTrips	WD_TR	6.59	5.63
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	0.00	2,088,299.00
tblWater	IndoorWaterUseRate	22,152,368.71	17,584,366.00
tblWater	OutdoorWaterUseRate	4,289,332.86	0.00
tblWater	OutdoorWaterUseRate	13,965,623.75	0.00

tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	1.70	0.00
tblWoodstoves	NumberNoncatalytic	1.70	0.00

## 2.0 Emissions Summary

### 2.1 Overall Construction

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.3610	3.4634	3.3479	5.5800e-003	0.5893	0.1631	0.7523	0.2830	0.1509	0.4339	0.0000	463.9882	463.9882	0.1121	0.0000	466.3411
2021	0.5482	3.6157	6.0766	0.0136	0.6102	0.1655	0.7757	0.1641	0.1553	0.3194	0.0000	1,031.0733	1,031.0733	0.1078	0.0000	1,033.3374
2022	0.4800	3.1118	5.5508	0.0128	0.5613	0.1374	0.6987	0.1510	0.1289	0.2798	0.0000	966.1340	966.1340	0.1059	0.0000	968.3570
2023	3.9620	0.1647	0.2862	5.8000e-004	0.0188	8.2100e-003	0.0270	5.0100e-003	7.7000e-003	0.0127	0.0000	44.9862	44.9862	8.9300e-003	0.0000	45.1737
<b>Total</b>	<b>5.3512</b>	<b>10.3556</b>	<b>15.2615</b>	<b>0.0326</b>	<b>1.7795</b>	<b>0.4741</b>	<b>2.2537</b>	<b>0.6032</b>	<b>0.4427</b>	<b>1.0459</b>	<b>0.0000</b>	<b>2,506.1817</b>	<b>2,506.1817</b>	<b>0.3347</b>	<b>0.0000</b>	<b>2,513.2092</b>



**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	2.9555	0.0291	2.5236	1.3000e-004		0.0148	0.0148		0.0148	0.0148	0.0000	15.4024	15.4024	4.1700e-003	2.1000e-004	15.5542
Energy	0.0336	0.2869	0.1221	1.8300e-003		0.0232	0.0232		0.0232	0.0232	0.0000	521.2387	521.2387	0.0253	0.0100	524.8696
Mobile	1.2082	1.2189	8.5920	0.0197	1.4610	0.0124	1.4734	0.3906	0.0116	0.4022	0.0000	1,448.2007	1,448.2007	0.0449	0.0000	1,449.1444
Waste						0.0000	0.0000		0.0000	0.0000	3.4975	0.0000	3.4975	0.2067	0.0000	7.8382
Water						0.0000	0.0000		0.0000	0.0000	6.9602	14.0025	20.9627	0.0254	0.0154	26.2772
<b>Total</b>	<b>4.1973</b>	<b>1.5349</b>	<b>11.2377</b>	<b>0.0217</b>	<b>1.4610</b>	<b>0.0504</b>	<b>1.5114</b>	<b>0.3906</b>	<b>0.0495</b>	<b>0.4402</b>	<b>10.4578</b>	<b>1,998.8443</b>	<b>2,009.3020</b>	<b>0.3064</b>	<b>0.0256</b>	<b>2,023.6835</b>

## 2.2 Overall Operational

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.9555	0.0291	2.5236	1.3000e-004		0.0148	0.0148		0.0148	0.0148	0.0000	15.4024	15.4024	4.1700e-003	2.1000e-004	15.5542
Energy	0.0336	0.2869	0.1221	1.8300e-003		0.0232	0.0232		0.0232	0.0232	0.0000	521.2387	521.2387	0.0253	0.0100	524.8696
Mobile	1.2082	1.2189	8.5920	0.0197	1.4610	0.0124	1.4734	0.3906	0.0116	0.4022	0.0000	1,448.2007	1,448.2007	0.0449	0.0000	1,449.1444
Waste						0.0000	0.0000		0.0000	0.0000	3.4975	0.0000	3.4975	0.2067	0.0000	7.8382
Water						0.0000	0.0000		0.0000	0.0000	6.9602	14.0025	20.9627	0.0252	0.0154	26.2661
<b>Total</b>	<b>4.1973</b>	<b>1.5349</b>	<b>11.2377</b>	<b>0.0217</b>	<b>1.4610</b>	<b>0.0504</b>	<b>1.5114</b>	<b>0.3906</b>	<b>0.0495</b>	<b>0.4402</b>	<b>10.4578</b>	<b>1,998.8443</b>	<b>2,009.3020</b>	<b>0.3063</b>	<b>0.0256</b>	<b>2,023.6724</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>0.00</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>	<b>0.00</b>	<b>0.00</b>	<b>0.04</b>	<b>0.12</b>	<b>0.00</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	6/1/2020	7/21/2020	6	44	
2	Site Preparation	Site Preparation	7/22/2020	8/24/2020	6	29	
3	Grading	Grading	8/25/2020	11/9/2020	6	66	
4	Building Construction	Building Construction	11/10/2020	12/1/2022	6	645	
5	Paving	Paving	12/2/2022	1/30/2023	6	51	
6	Architectural Coating	Architectural Coating	1/31/2023	3/30/2023	6	51	

**Acres of Grading (Site Preparation Phase): 27.8**

**Acres of Grading (Grading Phase): 27.8**

**Acres of Paving: 0**

**Residential Indoor: 688,500; Residential Outdoor: 229,500; Non-Residential Indoor: 444,312; Non-Residential Outdoor: 148,104 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
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	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	369.00	85.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	74.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

### 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					
Off-Road	0.0681	0.6823	0.6514	8.8000e-004		0.0328	0.0328		0.0305	0.0305	0.0000	76.9811	76.9811	0.0218	0.0000	77.4393
<b>Total</b>	<b>0.0681</b>	<b>0.6823</b>	<b>0.6514</b>	<b>8.8000e-004</b>		<b>0.0328</b>	<b>0.0328</b>		<b>0.0305</b>	<b>0.0305</b>	<b>0.0000</b>	<b>76.9811</b>	<b>76.9811</b>	<b>0.0218</b>	<b>0.0000</b>	<b>77.4393</b>

### 3.2 Demolition - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	8.4000e-004	1.2600e-003	0.0120	4.0000e-005	3.0000e-003	2.0000e-005	3.0200e-003	8.0000e-004	2.0000e-005	8.2000e-004	0.0000	2.3353	2.3353	1.1000e-004	0.0000	2.3377	
<b>Total</b>	<b>8.4000e-004</b>	<b>1.2600e-003</b>	<b>0.0120</b>	<b>4.0000e-005</b>	<b>3.0000e-003</b>	<b>2.0000e-005</b>	<b>3.0200e-003</b>	<b>8.0000e-004</b>	<b>2.0000e-005</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>2.3353</b>	<b>2.3353</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>2.3377</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	0.0681	0.6823	0.6514	8.8000e-004		0.0328	0.0328		0.0305	0.0305	0.0000	76.9810	76.9810	0.0218	0.0000	77.4392
<b>Total</b>	<b>0.0681</b>	<b>0.6823</b>	<b>0.6514</b>	<b>8.8000e-004</b>		<b>0.0328</b>	<b>0.0328</b>		<b>0.0305</b>	<b>0.0305</b>	<b>0.0000</b>	<b>76.9810</b>	<b>76.9810</b>	<b>0.0218</b>	<b>0.0000</b>	<b>77.4392</b>

### 3.2 Demolition - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	8.4000e-004	1.2600e-003	0.0120	4.0000e-005	3.0000e-003	2.0000e-005	3.0200e-003	8.0000e-004	2.0000e-005	8.2000e-004	0.0000	2.3353	2.3353	1.1000e-004	0.0000	2.3377
<b>Total</b>	<b>8.4000e-004</b>	<b>1.2600e-003</b>	<b>0.0120</b>	<b>4.0000e-005</b>	<b>3.0000e-003</b>	<b>2.0000e-005</b>	<b>3.0200e-003</b>	<b>8.0000e-004</b>	<b>2.0000e-005</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>2.3353</b>	<b>2.3353</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>2.3377</b>

### 3.3 Site Preparation - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2767	0.0000	0.2767	0.1456	0.0000	0.1456	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0540	0.5635	0.4774	5.7000e-004		0.0280	0.0280		0.0258	0.0258	0.0000	49.8844	49.8844	0.0161	0.0000	50.2232
<b>Total</b>	<b>0.0540</b>	<b>0.5635</b>	<b>0.4774</b>	<b>5.7000e-004</b>	<b>0.2767</b>	<b>0.0280</b>	<b>0.3047</b>	<b>0.1456</b>	<b>0.0258</b>	<b>0.1714</b>	<b>0.0000</b>	<b>49.8844</b>	<b>49.8844</b>	<b>0.0161</b>	<b>0.0000</b>	<b>50.2232</b>

### 3.3 Site Preparation - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	1.0000e-003	9.4600e-003	3.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	1.8470	1.8470	9.0000e-005	0.0000	1.8489
<b>Total</b>	<b>6.6000e-004</b>	<b>1.0000e-003</b>	<b>9.4600e-003</b>	<b>3.0000e-005</b>	<b>2.3700e-003</b>	<b>2.0000e-005</b>	<b>2.3900e-003</b>	<b>6.3000e-004</b>	<b>2.0000e-005</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>1.8470</b>	<b>1.8470</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.8489</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					0.1245	0.0000	0.1245	0.0655	0.0000	0.0655	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0540	0.5635	0.4774	5.7000e-004		0.0280	0.0280		0.0258	0.0258	0.0000	49.8843	49.8843	0.0161	0.0000	50.2231
<b>Total</b>	<b>0.0540</b>	<b>0.5635</b>	<b>0.4774</b>	<b>5.7000e-004</b>	<b>0.1245</b>	<b>0.0280</b>	<b>0.1525</b>	<b>0.0655</b>	<b>0.0258</b>	<b>0.0913</b>	<b>0.0000</b>	<b>49.8843</b>	<b>49.8843</b>	<b>0.0161</b>	<b>0.0000</b>	<b>50.2231</b>

### 3.3 Site Preparation - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	1.0000e-003	9.4600e-003	3.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	1.8470	1.8470	9.0000e-005	0.0000	1.8489
<b>Total</b>	<b>6.6000e-004</b>	<b>1.0000e-003</b>	<b>9.4600e-003</b>	<b>3.0000e-005</b>	<b>2.3700e-003</b>	<b>2.0000e-005</b>	<b>2.3900e-003</b>	<b>6.3000e-004</b>	<b>2.0000e-005</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>1.8470</b>	<b>1.8470</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.8489</b>

### 3.4 Grading - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2135	0.0000	0.2135	0.1108	0.0000	0.1108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1502	1.6297	1.2681	2.0400e-003		0.0746	0.0746		0.0687	0.0687	0.0000	178.9553	178.9553	0.0579	0.0000	180.1707
<b>Total</b>	<b>0.1502</b>	<b>1.6297</b>	<b>1.2681</b>	<b>2.0400e-003</b>	<b>0.2135</b>	<b>0.0746</b>	<b>0.2881</b>	<b>0.1108</b>	<b>0.0687</b>	<b>0.1795</b>	<b>0.0000</b>	<b>178.9553</b>	<b>178.9553</b>	<b>0.0579</b>	<b>0.0000</b>	<b>180.1707</b>

### 3.4 Grading - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.6800e-003	2.5200e-003	0.0239	7.0000e-005	5.9900e-003	5.0000e-005	6.0400e-003	1.5900e-003	4.0000e-005	1.6400e-003	0.0000	4.6707	4.6707	2.3000e-004	0.0000	4.6754
<b>Total</b>	<b>1.6800e-003</b>	<b>2.5200e-003</b>	<b>0.0239</b>	<b>7.0000e-005</b>	<b>5.9900e-003</b>	<b>5.0000e-005</b>	<b>6.0400e-003</b>	<b>1.5900e-003</b>	<b>4.0000e-005</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>4.6707</b>	<b>4.6707</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>4.6754</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					0.0961	0.0000	0.0961	0.0499	0.0000	0.0499	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1502	1.6297	1.2681	2.0400e-003		0.0746	0.0746		0.0687	0.0687	0.0000	178.9550	178.9550	0.0579	0.0000	180.1705
<b>Total</b>	<b>0.1502</b>	<b>1.6297</b>	<b>1.2681</b>	<b>2.0400e-003</b>	<b>0.0961</b>	<b>0.0746</b>	<b>0.1707</b>	<b>0.0499</b>	<b>0.0687</b>	<b>0.1185</b>	<b>0.0000</b>	<b>178.9550</b>	<b>178.9550</b>	<b>0.0579</b>	<b>0.0000</b>	<b>180.1705</b>



### 3.4 Grading - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.6800e-003	2.5200e-003	0.0239	7.0000e-005	5.9900e-003	5.0000e-005	6.0400e-003	1.5900e-003	4.0000e-005	1.6400e-003	0.0000	4.6707	4.6707	2.3000e-004	0.0000	4.6754
<b>Total</b>	<b>1.6800e-003</b>	<b>2.5200e-003</b>	<b>0.0239</b>	<b>7.0000e-005</b>	<b>5.9900e-003</b>	<b>5.0000e-005</b>	<b>6.0400e-003</b>	<b>1.5900e-003</b>	<b>4.0000e-005</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>4.6707</b>	<b>4.6707</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>4.6754</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0475	0.4294	0.3782	6.0000e-004		0.0250	0.0250		0.0236	0.0236	0.0000	51.8962	51.8962	0.0126	0.0000	52.1617
<b>Total</b>	<b>0.0475</b>	<b>0.4294</b>	<b>0.3782</b>	<b>6.0000e-004</b>		<b>0.0250</b>	<b>0.0250</b>		<b>0.0236</b>	<b>0.0236</b>	<b>0.0000</b>	<b>51.8962</b>	<b>51.8962</b>	<b>0.0126</b>	<b>0.0000</b>	<b>52.1617</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0169	0.1220	0.2266	4.6000e-004	0.0124	1.9300e-003	0.0143	3.5500e-003	1.7800e-003	5.3300e-003	0.0000	38.6634	38.6634	3.0000e-004	0.0000	38.6697
Worker	0.0211	0.0317	0.3009	9.0000e-004	0.0754	5.7000e-004	0.0759	0.0201	5.3000e-004	0.0206	0.0000	58.7548	58.7548	2.8500e-003	0.0000	58.8145
<b>Total</b>	<b>0.0380</b>	<b>0.1537</b>	<b>0.5274</b>	<b>1.3600e-003</b>	<b>0.0877</b>	<b>2.5000e-003</b>	<b>0.0902</b>	<b>0.0236</b>	<b>2.3100e-003</b>	<b>0.0259</b>	<b>0.0000</b>	<b>97.4182</b>	<b>97.4182</b>	<b>3.1500e-003</b>	<b>0.0000</b>	<b>97.4842</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	0.0475	0.4294	0.3782	6.0000e-004		0.0250	0.0250		0.0236	0.0236	0.0000	51.8962	51.8962	0.0126	0.0000	52.1617
<b>Total</b>	<b>0.0475</b>	<b>0.4294</b>	<b>0.3782</b>	<b>6.0000e-004</b>		<b>0.0250</b>	<b>0.0250</b>		<b>0.0236</b>	<b>0.0236</b>	<b>0.0000</b>	<b>51.8962</b>	<b>51.8962</b>	<b>0.0126</b>	<b>0.0000</b>	<b>52.1617</b>

### 3.5 Building Construction - 2020

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0169	0.1220	0.2266	4.6000e-004	0.0124	1.9300e-003	0.0143	3.5500e-003	1.7800e-003	5.3300e-003	0.0000	38.6634	38.6634	3.0000e-004	0.0000	38.6697
Worker	0.0211	0.0317	0.3009	9.0000e-004	0.0754	5.7000e-004	0.0759	0.0201	5.3000e-004	0.0206	0.0000	58.7548	58.7548	2.8500e-003	0.0000	58.8145
<b>Total</b>	<b>0.0380</b>	<b>0.1537</b>	<b>0.5274</b>	<b>1.3600e-003</b>	<b>0.0877</b>	<b>2.5000e-003</b>	<b>0.0902</b>	<b>0.0236</b>	<b>2.3100e-003</b>	<b>0.0259</b>	<b>0.0000</b>	<b>97.4182</b>	<b>97.4182</b>	<b>3.1500e-003</b>	<b>0.0000</b>	<b>97.4842</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2963	2.7138	2.5881	4.2000e-003		0.1494	0.1494		0.1405	0.1405	0.0000	361.0099	361.0099	0.0870	0.0000	362.8364
<b>Total</b>	<b>0.2963</b>	<b>2.7138</b>	<b>2.5881</b>	<b>4.2000e-003</b>		<b>0.1494</b>	<b>0.1494</b>		<b>0.1405</b>	<b>0.1405</b>	<b>0.0000</b>	<b>361.0099</b>	<b>361.0099</b>	<b>0.0870</b>	<b>0.0000</b>	<b>362.8364</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1135	0.6967	1.5354	3.1600e-003	0.0860	0.0121	0.0981	0.0247	0.0111	0.0358	0.0000	268.5498	268.5498	2.0600e-003	0.0000	268.5932
Worker	0.1385	0.2053	1.9530	6.2500e-003	0.5242	3.9400e-003	0.5281	0.1394	3.6500e-003	0.1431	0.0000	401.5135	401.5135	0.0188	0.0000	401.9079
<b>Total</b>	<b>0.2520</b>	<b>0.9020</b>	<b>3.4884</b>	<b>9.4100e-003</b>	<b>0.6102</b>	<b>0.0160</b>	<b>0.6262</b>	<b>0.1641</b>	<b>0.0148</b>	<b>0.1789</b>	<b>0.0000</b>	<b>670.0634</b>	<b>670.0634</b>	<b>0.0208</b>	<b>0.0000</b>	<b>670.5010</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	0.2963	2.7138	2.5881	4.2000e-003		0.1494	0.1494		0.1405	0.1405	0.0000	361.0095	361.0095	0.0870	0.0000	362.8359
<b>Total</b>	<b>0.2963</b>	<b>2.7138</b>	<b>2.5881</b>	<b>4.2000e-003</b>		<b>0.1494</b>	<b>0.1494</b>		<b>0.1405</b>	<b>0.1405</b>	<b>0.0000</b>	<b>361.0095</b>	<b>361.0095</b>	<b>0.0870</b>	<b>0.0000</b>	<b>362.8359</b>

### 3.5 Building Construction - 2021

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1135	0.6967	1.5354	3.1600e-003	0.0860	0.0121	0.0981	0.0247	0.0111	0.0358	0.0000	268.5498	268.5498	2.0600e-003	0.0000	268.5932
Worker	0.1385	0.2053	1.9530	6.2500e-003	0.5242	3.9400e-003	0.5281	0.1394	3.6500e-003	0.1431	0.0000	401.5135	401.5135	0.0188	0.0000	401.9079
<b>Total</b>	<b>0.2520</b>	<b>0.9020</b>	<b>3.4884</b>	<b>9.4100e-003</b>	<b>0.6102</b>	<b>0.0160</b>	<b>0.6262</b>	<b>0.1641</b>	<b>0.0148</b>	<b>0.1789</b>	<b>0.0000</b>	<b>670.0634</b>	<b>670.0634</b>	<b>0.0208</b>	<b>0.0000</b>	<b>670.5010</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2438	2.2295	2.3430	3.8500e-003		0.1156	0.1156		0.1088	0.1088	0.0000	331.1479	331.1479	0.0792	0.0000	332.8115
<b>Total</b>	<b>0.2438</b>	<b>2.2295</b>	<b>2.3430</b>	<b>3.8500e-003</b>		<b>0.1156</b>	<b>0.1156</b>		<b>0.1088</b>	<b>0.1088</b>	<b>0.0000</b>	<b>331.1479</b>	<b>331.1479</b>	<b>0.0792</b>	<b>0.0000</b>	<b>332.8115</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0995	0.5640	1.3418	2.9000e-003	0.0789	0.0109	0.0898	0.0227	0.0101	0.0327	0.0000	246.0166	246.0166	1.9300e-003	0.0000	246.0572
Worker	0.1200	0.1758	1.6742	5.7300e-003	0.4806	3.6000e-003	0.4842	0.1278	3.3400e-003	0.1312	0.0000	362.1540	362.1540	0.0164	0.0000	362.4985
<b>Total</b>	<b>0.2195</b>	<b>0.7399</b>	<b>3.0160</b>	<b>8.6300e-003</b>	<b>0.5595</b>	<b>0.0145</b>	<b>0.5740</b>	<b>0.1505</b>	<b>0.0134</b>	<b>0.1639</b>	<b>0.0000</b>	<b>608.1706</b>	<b>608.1706</b>	<b>0.0183</b>	<b>0.0000</b>	<b>608.5557</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	0.2438	2.2295	2.3430	3.8500e-003		0.1156	0.1156		0.1088	0.1088	0.0000	331.1475	331.1475	0.0792	0.0000	332.8111
<b>Total</b>	<b>0.2438</b>	<b>2.2295</b>	<b>2.3430</b>	<b>3.8500e-003</b>		<b>0.1156</b>	<b>0.1156</b>		<b>0.1088</b>	<b>0.1088</b>	<b>0.0000</b>	<b>331.1475</b>	<b>331.1475</b>	<b>0.0792</b>	<b>0.0000</b>	<b>332.8111</b>

### 3.5 Building Construction - 2022

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0995	0.5640	1.3418	2.9000e-003	0.0789	0.0109	0.0898	0.0227	0.0101	0.0327	0.0000	246.0166	246.0166	1.9300e-003	0.0000	246.0572
Worker	0.1200	0.1758	1.6742	5.7300e-003	0.4806	3.6000e-003	0.4842	0.1278	3.3400e-003	0.1312	0.0000	362.1540	362.1540	0.0164	0.0000	362.4985
<b>Total</b>	<b>0.2195</b>	<b>0.7399</b>	<b>3.0160</b>	<b>8.6300e-003</b>	<b>0.5595</b>	<b>0.0145</b>	<b>0.5740</b>	<b>0.1505</b>	<b>0.0134</b>	<b>0.1639</b>	<b>0.0000</b>	<b>608.1706</b>	<b>608.1706</b>	<b>0.0183</b>	<b>0.0000</b>	<b>608.5557</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	0.0141	0.1418	0.1857	2.9000e-004		7.2500e-003	7.2500e-003		6.6700e-003	6.6700e-003	0.0000	25.4819	25.4819	8.2400e-003	0.0000	25.6549
Paving	2.1400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0162</b>	<b>0.1418</b>	<b>0.1857</b>	<b>2.9000e-004</b>		<b>7.2500e-003</b>	<b>7.2500e-003</b>		<b>6.6700e-003</b>	<b>6.6700e-003</b>	<b>0.0000</b>	<b>25.4819</b>	<b>25.4819</b>	<b>8.2400e-003</b>	<b>0.0000</b>	<b>25.6549</b>

### 3.6 Paving - 2022

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	6.5000e-004	6.1700e-003	2.0000e-005	1.7700e-003	1.0000e-005	1.7800e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.3337	1.3337	6.0000e-005	0.0000	1.3349
<b>Total</b>	<b>4.4000e-004</b>	<b>6.5000e-004</b>	<b>6.1700e-003</b>	<b>2.0000e-005</b>	<b>1.7700e-003</b>	<b>1.0000e-005</b>	<b>1.7800e-003</b>	<b>4.7000e-004</b>	<b>1.0000e-005</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>1.3337</b>	<b>1.3337</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.3349</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	0.0141	0.1418	0.1857	2.9000e-004		7.2500e-003	7.2500e-003		6.6700e-003	6.6700e-003	0.0000	25.4818	25.4818	8.2400e-003	0.0000	25.6549
Paving	2.1400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0162</b>	<b>0.1418</b>	<b>0.1857</b>	<b>2.9000e-004</b>		<b>7.2500e-003</b>	<b>7.2500e-003</b>		<b>6.6700e-003</b>	<b>6.6700e-003</b>	<b>0.0000</b>	<b>25.4818</b>	<b>25.4818</b>	<b>8.2400e-003</b>	<b>0.0000</b>	<b>25.6549</b>



### 3.6 Paving - 2022

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	6.5000e-004	6.1700e-003	2.0000e-005	1.7700e-003	1.0000e-005	1.7800e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.3337	1.3337	6.0000e-005	0.0000	1.3349
<b>Total</b>	<b>4.4000e-004</b>	<b>6.5000e-004</b>	<b>6.1700e-003</b>	<b>2.0000e-005</b>	<b>1.7700e-003</b>	<b>1.0000e-005</b>	<b>1.7800e-003</b>	<b>4.7000e-004</b>	<b>1.0000e-005</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>1.3337</b>	<b>1.3337</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.3349</b>

### 3.6 Paving - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0127	0.1250	0.1786	2.8000e-004		6.2600e-003	6.2600e-003		5.7600e-003	5.7600e-003	0.0000	24.5010	24.5010	7.9200e-003	0.0000	24.6674
Paving	2.0500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0147</b>	<b>0.1250</b>	<b>0.1786</b>	<b>2.8000e-004</b>		<b>6.2600e-003</b>	<b>6.2600e-003</b>		<b>5.7600e-003</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>24.5010</b>	<b>24.5010</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>24.6674</b>

### 3.6 Paving - 2023

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	5.8000e-004	5.5500e-003	2.0000e-005	1.7000e-003	1.0000e-005	1.7100e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.2631	1.2631	6.0000e-005	0.0000	1.2642
<b>Total</b>	<b>4.0000e-004</b>	<b>5.8000e-004</b>	<b>5.5500e-003</b>	<b>2.0000e-005</b>	<b>1.7000e-003</b>	<b>1.0000e-005</b>	<b>1.7100e-003</b>	<b>4.5000e-004</b>	<b>1.0000e-005</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>1.2631</b>	<b>1.2631</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.2642</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	0.0127	0.1250	0.1786	2.8000e-004		6.2600e-003	6.2600e-003		5.7600e-003	5.7600e-003	0.0000	24.5009	24.5009	7.9200e-003	0.0000	24.6673
Paving	2.0500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0147</b>	<b>0.1250</b>	<b>0.1786</b>	<b>2.8000e-004</b>		<b>6.2600e-003</b>	<b>6.2600e-003</b>		<b>5.7600e-003</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>24.5009</b>	<b>24.5009</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>24.6673</b>

### 3.6 Paving - 2023

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	5.8000e-004	5.5500e-003	2.0000e-005	1.7000e-003	1.0000e-005	1.7100e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.2631	1.2631	6.0000e-005	0.0000	1.2642
<b>Total</b>	<b>4.0000e-004</b>	<b>5.8000e-004</b>	<b>5.5500e-003</b>	<b>2.0000e-005</b>	<b>1.7000e-003</b>	<b>1.0000e-005</b>	<b>1.7100e-003</b>	<b>4.5000e-004</b>	<b>1.0000e-005</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>1.2631</b>	<b>1.2631</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.2642</b>

### 3.7 Architectural Coating - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.9379					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8900e-003	0.0332	0.0462	8.0000e-005		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003	0.0000	6.5108	6.5108	3.9000e-004	0.0000	6.5190
<b>Total</b>	<b>3.9428</b>	<b>0.0332</b>	<b>0.0462</b>	<b>8.0000e-005</b>		<b>1.8100e-003</b>	<b>1.8100e-003</b>		<b>1.8100e-003</b>	<b>1.8100e-003</b>	<b>0.0000</b>	<b>6.5108</b>	<b>6.5108</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>6.5190</b>

### 3.7 Architectural Coating - 2023

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	4.0500e-003	5.8800e-003	0.0559	2.0000e-004	0.0171	1.3000e-004	0.0173	4.5600e-003	1.2000e-004	4.6700e-003	0.0000	12.7114	12.7114	5.6000e-004	0.0000	12.7231	
<b>Total</b>	<b>4.0500e-003</b>	<b>5.8800e-003</b>	<b>0.0559</b>	<b>2.0000e-004</b>	<b>0.0171</b>	<b>1.3000e-004</b>	<b>0.0173</b>	<b>4.5600e-003</b>	<b>1.2000e-004</b>	<b>4.6700e-003</b>	<b>0.0000</b>	<b>12.7114</b>	<b>12.7114</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>12.7231</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	3.9379					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8900e-003	0.0332	0.0462	8.0000e-005		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003	0.0000	6.5108	6.5108	3.9000e-004	0.0000	6.5190
<b>Total</b>	<b>3.9428</b>	<b>0.0332</b>	<b>0.0462</b>	<b>8.0000e-005</b>		<b>1.8100e-003</b>	<b>1.8100e-003</b>		<b>1.8100e-003</b>	<b>1.8100e-003</b>	<b>0.0000</b>	<b>6.5108</b>	<b>6.5108</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>6.5190</b>

### 3.7 Architectural Coating - 2023

#### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0500e-003	5.8800e-003	0.0559	2.0000e-004	0.0171	1.3000e-004	0.0173	4.5600e-003	1.2000e-004	4.6700e-003	0.0000	12.7114	12.7114	5.6000e-004	0.0000	12.7231
<b>Total</b>	<b>4.0500e-003</b>	<b>5.8800e-003</b>	<b>0.0559</b>	<b>2.0000e-004</b>	<b>0.0171</b>	<b>1.3000e-004</b>	<b>0.0173</b>	<b>4.5600e-003</b>	<b>1.2000e-004</b>	<b>4.6700e-003</b>	<b>0.0000</b>	<b>12.7114</b>	<b>12.7114</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>12.7231</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	1.2082	1.2189	8.5920	0.0197	1.4610	0.0124	1.4734	0.3906	0.0116	0.4022	0.0000	1,448.2007	1,448.2007	0.0449	0.0000	1,449.1444
Unmitigated	1.2082	1.2189	8.5920	0.0197	1.4610	0.0124	1.4734	0.3906	0.0116	0.4022	0.0000	1,448.2007	1,448.2007	0.0449	0.0000	1,449.1444

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Condo/Townhouse	1,914.20	2,016.20	1,754.40	3,954,450	3,954,450
Other Asphalt Surfaces	0.00	0.00	0.00		
<b>Total</b>	<b>1,914.20</b>	<b>2,016.20</b>	<b>1,754.40</b>	<b>3,954,450</b>	<b>3,954,450</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-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	5.70	5.70	5.70	26.10	29.10	44.80	100	0	0
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.576024	0.040328	0.182594	0.117261	0.017100	0.004888	0.017957	0.012200	0.000645	0.000596	0.026636	0.000298	0.002877

**5.0 Energy Detail**

**5.1 Fleet Mix**

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	188.9455	188.9455	0.0189	3.9100e-003	190.5541
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	188.9455	188.9455	0.0189	3.9100e-003	190.5541
NaturalGas Mitigated	0.0336	0.2869	0.1221	1.8300e-003		0.0232	0.0232		0.0232	0.0232	0.0000	332.2932	332.2932	6.3700e-003	6.0900e-003	334.3155
NaturalGas Unmitigated	0.0336	0.2869	0.1221	1.8300e-003		0.0232	0.0232		0.0232	0.0232	0.0000	332.2932	332.2932	6.3700e-003	6.0900e-003	334.3155

**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					
Condo/Townhouse	6.22694e+006	0.0336	0.2869	0.1221	1.8300e-003		0.0232	0.0232		0.0232	0.0232	0.0000	332.2932	332.2932	6.3700e-003	6.0900e-003	334.3155
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	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>0.0336</b>	<b>0.2869</b>	<b>0.1221</b>	<b>1.8300e-003</b>		<b>0.0232</b>	<b>0.0232</b>		<b>0.0232</b>	<b>0.0232</b>	<b>0.0000</b>	<b>332.2932</b>	<b>332.2932</b>	<b>6.3700e-003</b>	<b>6.0900e-003</b>	<b>334.3155</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	6.22694e+006	0.0336	0.2869	0.1221	1.8300e-003		0.0232	0.0232		0.0232	0.0232	0.0000	332.2932	332.2932	6.3700e-003	6.0900e-003	334.3155
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	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>0.0336</b>	<b>0.2869</b>	<b>0.1221</b>	<b>1.8300e-003</b>		<b>0.0232</b>	<b>0.0232</b>		<b>0.0232</b>	<b>0.0232</b>	<b>0.0000</b>	<b>332.2932</b>	<b>332.2932</b>	<b>6.3700e-003</b>	<b>6.0900e-003</b>	<b>334.3155</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	1.43639e+006	188.9455	0.0189	3.9100e-003	190.5541
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>188.9455</b>	<b>0.0189</b>	<b>3.9100e-003</b>	<b>190.5541</b>



### 5.3 Energy by Land Use - Electricity

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	1.43639e+006	188.9455	0.0189	3.9100e-003	190.5541
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>188.9455</b>	<b>0.0189</b>	<b>3.9100e-003</b>	<b>190.5541</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	2.9555	0.0291	2.5236	1.3000e-004		0.0148	0.0148		0.0148	0.0148	0.0000	15.4024	15.4024	4.1700e-003	2.1000e-004	15.5542
Unmitigated	2.9555	0.0291	2.5236	1.3000e-004		0.0148	0.0148		0.0148	0.0148	0.0000	15.4024	15.4024	4.1700e-003	2.1000e-004	15.5542

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3938					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4847					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.1400e-003	0.0000	6.0000e-005	0.0000		7.9000e-004	7.9000e-004		7.8000e-004	7.8000e-004	0.0000	11.2785	11.2785	2.2000e-004	2.1000e-004	11.3471
Landscaping	0.0759	0.0291	2.5235	1.3000e-004		0.0140	0.0140		0.0140	0.0140	0.0000	4.1239	4.1239	3.9600e-003	0.0000	4.2070
<b>Total</b>	<b>2.9555</b>	<b>0.0291</b>	<b>2.5236</b>	<b>1.3000e-004</b>		<b>0.0148</b>	<b>0.0148</b>		<b>0.0148</b>	<b>0.0148</b>	<b>0.0000</b>	<b>15.4024</b>	<b>15.4024</b>	<b>4.1800e-003</b>	<b>2.1000e-004</b>	<b>15.5542</b>

### 6.2 Area by SubCategory

#### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3938					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4847					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.1400e-003	0.0000	6.0000e-005	0.0000		7.9000e-004	7.9000e-004		7.8000e-004	7.8000e-004	0.0000	11.2785	11.2785	2.2000e-004	2.1000e-004	11.3471
Landscaping	0.0759	0.0291	2.5235	1.3000e-004		0.0140	0.0140		0.0140	0.0140	0.0000	4.1239	4.1239	3.9600e-003	0.0000	4.2070
<b>Total</b>	<b>2.9555</b>	<b>0.0291</b>	<b>2.5236</b>	<b>1.3000e-004</b>		<b>0.0148</b>	<b>0.0148</b>		<b>0.0148</b>	<b>0.0148</b>	<b>0.0000</b>	<b>15.4024</b>	<b>15.4024</b>	<b>4.1800e-003</b>	<b>2.1000e-004</b>	<b>15.5542</b>

### 7.0 Water Detail

#### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	20.9627	0.0252	0.0154	26.2661
Unmitigated	20.9627	0.0254	0.0154	26.2772

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	2.0883 / 0	2.2252	2.6900e-003	1.6400e-003	2.7894
Condo/Townhouse	17.5844 / 0	18.7375	0.0227	0.0138	23.4878
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>20.9627</b>	<b>0.0254</b>	<b>0.0154</b>	<b>26.2772</b>

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	2.0883 / 0	2.2252	2.6800e-003	1.6300e-003	2.7882
Condo/Townhouse	17.5844 / 0	18.7375	0.0226	0.0138	23.4779
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>20.9627</b>	<b>0.0252</b>	<b>0.0154</b>	<b>26.2661</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.4975	0.2067	0.0000	7.8382
Unmitigated	3.4975	0.2067	0.0000	7.8382

### 8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.03	6.0900e-003	3.6000e-004	0.0000	0.0137
Condo/Townhouse	17.2	3.4914	0.2063	0.0000	7.8246
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>3.4975</b>	<b>0.2067</b>	<b>0.0000</b>	<b>7.8382</b>

## 8.2 Waste by Land Use

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.03	6.0900e-003	3.6000e-004	0.0000	0.0137
Condo/Townhouse	17.2	3.4914	0.2063	0.0000	7.8246
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>3.4975</b>	<b>0.2067</b>	<b>0.0000</b>	<b>7.8382</b>

## 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 Vegetation

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