

Appendix A

AQ/GHG Calculations

Harvest in Tracy Project IS/MND San Joaquin County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	217.00	Space	1.95	86,800.00	0
Health Club	5.50	1000sqft	0.13	5,500.00	0
Condo/Townhouse	300.00	Dwelling Unit	18.75	346,587.00	662

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	51
Climate Zone	2			Operational Year	2019
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	307	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PGE emissions factor based on operational year of 2019

Land Use - Input from site plan

Construction Phase -

Demolition -

Grading - 18 acre project site

Architectural Coating - See Architectural Coating Assumptions and Calculations excel sheet

Vehicle Trips - 6.65 daily trip rate from Fehr and Peers; Health Club is part of development and for use by residents only, not trip generating

Vehicle Emission Factors - Updated emissions factors based on EMFAC modeling

Vehicle Emission Factors -

Woodstoves - No fireplaces

Area Coating - See Architectural Coating Assumptions and Calculations excel spreadsheet

Energy Use - Reduced based on Title 24 Standards (2013) Residential reductions: 36.4% electric, 6.5% gas; Other Land Use Reductions: 22% electric, 17% gas

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	4,052.00	7,784.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	12,156.00	8,250.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	233,946.00	240,022.00
tblAreaCoating	Area_Nonresidential_Interior	12156	8250
tblAreaCoating	Area_Residential_Exterior	233946	240022
tblConstructionPhase	PhaseEndDate	11/11/2016	11/10/2016
tblConstructionPhase	PhaseStartDate	10/29/2016	10/28/2016
tblEnergyUse	T24E	301.15	192.13
tblEnergyUse	T24E	2.02	1.58
tblEnergyUse	T24NG	18,960.80	17,728.35
tblEnergyUse	T24NG	19.55	16.23
tblFireplaces	NumberGas	165.00	0.00
tblFireplaces	NumberNoFireplace	135.00	0.00
tblGrading	AcresOfGrading	87.50	17.91

tblGrading	AcresOfGrading	0.00	17.91
tblLandUse	LandUseSquareFeet	300,000.00	346,587.00
tblLandUse	Population	952.00	662.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	307
tblProjectCharacteristics	OperationalYear	2014	2019
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	3.18	8.87
tblVehicleEF	HHD	1.22	0.75
tblVehicleEF	HHD	65.15	0.19
tblVehicleEF	HHD	539.74	14,558.80
tblVehicleEF	HHD	1,581.59	1,624.99
tblVehicleEF	HHD	52.55	0.58
tblVehicleEF	HHD	0.07	5.0000e-003
tblVehicleEF	HHD	3.97	67.48
tblVehicleEF	HHD	3.90	4.41
tblVehicleEF	HHD	3.92	0.02
tblVehicleEF	HHD	0.01	0.10
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.08	0.02
tblVehicleEF	HHD	1.7030e-003	7.0000e-006
tblVehicleEF	HHD	0.01	0.09
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9120e-003	8.8890e-003
tblVehicleEF	HHD	0.07	0.02
tblVehicleEF	HHD	1.4600e-003	6.0000e-006
tblVehicleEF	HHD	2.1230e-003	1.6300e-004

tblVehicleEF	HHD	0.09	3.7000e-004
tblVehicleEF	HHD	0.57	2.36
tblVehicleEF	HHD	1.0920e-003	8.4000e-005
tblVehicleEF	HHD	0.23	0.15
tblVehicleEF	HHD	0.46	1.5890e-003
tblVehicleEF	HHD	1.93	6.2350e-003
tblVehicleEF	HHD	5.5970e-003	0.14
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.6530e-003	9.0000e-006
tblVehicleEF	HHD	2.1230e-003	1.6300e-004
tblVehicleEF	HHD	0.09	3.7000e-004
tblVehicleEF	HHD	0.65	2.69
tblVehicleEF	HHD	1.0920e-003	8.4000e-005
tblVehicleEF	HHD	0.26	0.18
tblVehicleEF	HHD	0.46	1.5890e-003
tblVehicleEF	HHD	2.06	6.8200e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.31	2.26
tblVehicleEF	HHD	1.23	1.25
tblVehicleEF	HHD	46.86	47.67
tblVehicleEF	HHD	571.81	581.26
tblVehicleEF	HHD	1,581.59	1,609.23
tblVehicleEF	HHD	52.55	53.64
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	4.10	4.28
tblVehicleEF	HHD	3.71	4.10
tblVehicleEF	HHD	3.68	3.75

tblVehicleEF	HHD	9.7120e-003	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	1.7030e-003	1.8490e-003
tblVehicleEF	HHD	8.9350e-003	9.2050e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9120e-003	8.9100e-003
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	1.4600e-003	1.5810e-003
tblVehicleEF	HHD	5.5110e-003	5.6480e-003
tblVehicleEF	HHD	0.11	0.11
tblVehicleEF	HHD	0.54	0.52
tblVehicleEF	HHD	2.4920e-003	2.5460e-003
tblVehicleEF	HHD	0.23	0.23
tblVehicleEF	HHD	0.46	0.46
tblVehicleEF	HHD	1.54	1.61
tblVehicleEF	HHD	5.9300e-003	5.9310e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.3540e-003	1.3720e-003
tblVehicleEF	HHD	5.5110e-003	5.6480e-003
tblVehicleEF	HHD	0.11	0.11
tblVehicleEF	HHD	0.61	0.60
tblVehicleEF	HHD	2.4920e-003	2.5460e-003
tblVehicleEF	HHD	0.26	0.27
tblVehicleEF	HHD	0.46	0.46
tblVehicleEF	HHD	1.64	1.72
tblVehicleEF	HHD	0.03	0.03

tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	4.38	4.28
tblVehicleEF	HHD	1.22	1.24
tblVehicleEF	HHD	85.14	86.66
tblVehicleEF	HHD	495.46	503.65
tblVehicleEF	HHD	1,581.59	1,609.23
tblVehicleEF	HHD	52.55	53.64
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	3.80	3.96
tblVehicleEF	HHD	3.97	4.38
tblVehicleEF	HHD	4.16	4.24
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	1.7030e-003	1.8490e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9120e-003	8.9100e-003
tblVehicleEF	HHD	0.07	0.07
tblVehicleEF	HHD	1.4600e-003	1.5810e-003
tblVehicleEF	HHD	6.5700e-004	6.5200e-004
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.61	0.60
tblVehicleEF	HHD	4.3500e-004	4.2600e-004
tblVehicleEF	HHD	0.23	0.23
tblVehicleEF	HHD	0.50	0.50
tblVehicleEF	HHD	2.36	2.48

tblVehicleEF	HHD	5.1380e-003	5.1390e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.9810e-003	2.0110e-003
tblVehicleEF	HHD	6.5700e-004	6.5200e-004
tblVehicleEF	HHD	0.10	0.11
tblVehicleEF	HHD	0.70	0.68
tblVehicleEF	HHD	4.3500e-004	4.2600e-004
tblVehicleEF	HHD	0.26	0.27
tblVehicleEF	HHD	0.50	0.50
tblVehicleEF	HHD	2.52	2.65
tblVehicleEF	LDA	8.8840e-003	9.4510e-003
tblVehicleEF	LDA	6.7100e-003	7.7310e-003
tblVehicleEF	LDA	0.72	0.69
tblVehicleEF	LDA	1.71	1.81
tblVehicleEF	LDA	241.36	285.94
tblVehicleEF	LDA	54.04	63.54
tblVehicleEF	LDA	0.46	0.51
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.10	0.12
tblVehicleEF	LDA	1.6010e-003	1.7420e-003
tblVehicleEF	LDA	3.4120e-003	2.3870e-003
tblVehicleEF	LDA	1.4840e-003	1.6070e-003
tblVehicleEF	LDA	3.1640e-003	2.1960e-003
tblVehicleEF	LDA	0.04	0.37
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDA	0.03	0.27
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.23	0.28

tblVehicleEF	LDA	0.12	0.13
tblVehicleEF	LDA	3.4230e-003	2.8640e-003
tblVehicleEF	LDA	7.6600e-004	6.6700e-004
tblVehicleEF	LDA	0.04	0.37
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDA	0.03	0.27
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.28
tblVehicleEF	LDA	0.13	0.14
tblVehicleEF	LDA	8.8840e-003	9.4510e-003
tblVehicleEF	LDA	6.7100e-003	7.7310e-003
tblVehicleEF	LDA	0.87	0.96
tblVehicleEF	LDA	1.21	1.35
tblVehicleEF	LDA	263.59	274.33
tblVehicleEF	LDA	54.04	56.31
tblVehicleEF	LDA	0.46	0.46
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	1.6010e-003	1.5980e-003
tblVehicleEF	LDA	3.4120e-003	3.2640e-003
tblVehicleEF	LDA	1.4840e-003	1.4770e-003
tblVehicleEF	LDA	3.1640e-003	3.0200e-003
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.11	0.13
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.24
tblVehicleEF	LDA	0.09	0.11

tblVehicleEF	LDA	7.5700e-004	7.5900e-004
tblVehicleEF	LDA	0.11	0.12
tblVehicleEF	LDA	0.11	0.13
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.23	0.24
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	8.8840e-003	9.4510e-003
tblVehicleEF	LDA	6.7100e-003	7.7310e-003
tblVehicleEF	LDA	0.68	0.75
tblVehicleEF	LDA	2.21	2.44
tblVehicleEF	LDA	234.36	243.90
tblVehicleEF	LDA	54.04	56.31
tblVehicleEF	LDA	0.46	0.46
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.11	0.13
tblVehicleEF	LDA	1.6010e-003	1.5980e-003
tblVehicleEF	LDA	3.4120e-003	3.2640e-003
tblVehicleEF	LDA	1.4840e-003	1.4770e-003
tblVehicleEF	LDA	3.1640e-003	3.0200e-003
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.27	0.29
tblVehicleEF	LDA	0.15	0.17
tblVehicleEF	LDA	7.7400e-004	7.7800e-004
tblVehicleEF	LDA	0.01	0.02

tblVehicleEF	LDA	0.10	0.11
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.27	0.29
tblVehicleEF	LDA	0.15	0.18
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.72	1.92
tblVehicleEF	LDT1	4.41	4.91
tblVehicleEF	LDT1	289.94	345.21
tblVehicleEF	LDT1	64.64	76.53
tblVehicleEF	LDT1	0.06	0.23
tblVehicleEF	LDT1	0.20	0.21
tblVehicleEF	LDT1	0.24	0.28
tblVehicleEF	LDT1	2.8780e-003	3.1070e-003
tblVehicleEF	LDT1	4.9570e-003	4.3750e-003
tblVehicleEF	LDT1	2.6670e-003	2.8630e-003
tblVehicleEF	LDT1	4.5950e-003	4.0250e-003
tblVehicleEF	LDT1	0.15	1.18
tblVehicleEF	LDT1	0.25	0.41
tblVehicleEF	LDT1	0.10	0.77
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.89	1.44
tblVehicleEF	LDT1	0.33	0.36
tblVehicleEF	LDT1	3.9680e-003	3.4770e-003
tblVehicleEF	LDT1	9.2300e-004	8.5300e-004
tblVehicleEF	LDT1	0.15	1.18
tblVehicleEF	LDT1	0.25	0.41

tblVehicleEF	LDT1	0.10	0.77
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.89	1.44
tblVehicleEF	LDT1	0.35	0.39
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.04	2.24
tblVehicleEF	LDT1	3.15	3.45
tblVehicleEF	LDT1	315.05	326.11
tblVehicleEF	LDT1	64.64	66.91
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.22	0.24
tblVehicleEF	LDT1	2.8780e-003	3.0270e-003
tblVehicleEF	LDT1	4.9570e-003	5.0520e-003
tblVehicleEF	LDT1	2.6670e-003	2.8000e-003
tblVehicleEF	LDT1	4.5950e-003	4.6760e-003
tblVehicleEF	LDT1	0.38	0.40
tblVehicleEF	LDT1	0.32	0.33
tblVehicleEF	LDT1	0.22	0.23
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.85	0.90
tblVehicleEF	LDT1	0.26	0.28
tblVehicleEF	LDT1	4.3190e-003	4.3180e-003
tblVehicleEF	LDT1	9.0200e-004	9.0600e-004
tblVehicleEF	LDT1	0.38	0.40
tblVehicleEF	LDT1	0.32	0.33
tblVehicleEF	LDT1	0.22	0.23

tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.85	0.90
tblVehicleEF	LDT1	0.27	0.30
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.65	1.82
tblVehicleEF	LDT1	5.65	6.17
tblVehicleEF	LDT1	282.03	292.00
tblVehicleEF	LDT1	64.64	66.91
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.22	0.24
tblVehicleEF	LDT1	0.26	0.29
tblVehicleEF	LDT1	2.8780e-003	3.0270e-003
tblVehicleEF	LDT1	4.9570e-003	5.0520e-003
tblVehicleEF	LDT1	2.6670e-003	2.8000e-003
tblVehicleEF	LDT1	4.5950e-003	4.6760e-003
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.26	0.27
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	1.09	1.15
tblVehicleEF	LDT1	0.39	0.44
tblVehicleEF	LDT1	9.4500e-004	9.5300e-004
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.26	0.27
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.05	0.06
tblVehicleEF	LDT1	1.09	1.15

tblVehicleEF	LDT1	0.42	0.47
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	1.01	0.97
tblVehicleEF	LDT2	2.56	2.51
tblVehicleEF	LDT2	358.35	393.12
tblVehicleEF	LDT2	79.40	87.93
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.21	0.22
tblVehicleEF	LDT2	1.6480e-003	1.6610e-003
tblVehicleEF	LDT2	3.4600e-003	2.4130e-003
tblVehicleEF	LDT2	1.5270e-003	1.5280e-003
tblVehicleEF	LDT2	3.2070e-003	2.2200e-003
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.14	0.17
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.45	0.55
tblVehicleEF	LDT2	0.18	0.17
tblVehicleEF	LDT2	4.6570e-003	3.9400e-003
tblVehicleEF	LDT2	1.0480e-003	9.2300e-004
tblVehicleEF	LDT2	0.07	0.46
tblVehicleEF	LDT2	0.14	0.17
tblVehicleEF	LDT2	0.05	0.35
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.45	0.55
tblVehicleEF	LDT2	0.19	0.19

tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	1.21	1.35
tblVehicleEF	LDT2	1.82	2.04
tblVehicleEF	LDT2	390.44	403.32
tblVehicleEF	LDT2	79.40	82.06
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.12	0.13
tblVehicleEF	LDT2	0.19	0.22
tblVehicleEF	LDT2	1.6480e-003	1.6660e-003
tblVehicleEF	LDT2	3.4600e-003	3.3470e-003
tblVehicleEF	LDT2	1.5270e-003	1.5390e-003
tblVehicleEF	LDT2	3.2070e-003	3.0950e-003
tblVehicleEF	LDT2	0.16	0.18
tblVehicleEF	LDT2	0.17	0.18
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.43	0.46
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	5.0790e-003	5.0810e-003
tblVehicleEF	LDT2	1.0360e-003	1.0390e-003
tblVehicleEF	LDT2	0.16	0.18
tblVehicleEF	LDT2	0.17	0.18
tblVehicleEF	LDT2	0.11	0.12
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.43	0.46
tblVehicleEF	LDT2	0.15	0.17
tblVehicleEF	LDT2	0.01	0.01

tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.96	1.08
tblVehicleEF	LDT2	3.30	3.67
tblVehicleEF	LDT2	348.24	359.74
tblVehicleEF	LDT2	79.40	82.06
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.23	0.27
tblVehicleEF	LDT2	1.6480e-003	1.6660e-003
tblVehicleEF	LDT2	3.4600e-003	3.3470e-003
tblVehicleEF	LDT2	1.5270e-003	1.5390e-003
tblVehicleEF	LDT2	3.2070e-003	3.0950e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.14	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.54	0.58
tblVehicleEF	LDT2	0.22	0.25
tblVehicleEF	LDT2	4.5250e-003	4.5270e-003
tblVehicleEF	LDT2	1.0610e-003	1.0670e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.14	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.54	0.58
tblVehicleEF	LDT2	0.23	0.27
tblVehicleEF	LHD1	1.1130e-003	1.1170e-003
tblVehicleEF	LHD1	0.02	0.02

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	1.93
tblVehicleEF	LHD1	1.51	1.54
tblVehicleEF	LHD1	3.90	2.52
tblVehicleEF	LHD1	8.36	129.22
tblVehicleEF	LHD1	723.43	706.98
tblVehicleEF	LHD1	34.06	26.12
tblVehicleEF	LHD1	0.04	2.0000e-003
tblVehicleEF	LHD1	0.08	1.38
tblVehicleEF	LHD1	1.40	2.48
tblVehicleEF	LHD1	1.04	0.88
tblVehicleEF	LHD1	8.3400e-004	0.02
tblVehicleEF	LHD1	0.05	0.08
tblVehicleEF	LHD1	9.6350e-003	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	8.4700e-004	9.3500e-004
tblVehicleEF	LHD1	7.6700e-004	0.01
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.4090e-003	2.5380e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.8100e-004	8.6200e-004
tblVehicleEF	LHD1	2.5090e-003	0.04
tblVehicleEF	LHD1	0.07	0.09
tblVehicleEF	LHD1	0.03	0.23
tblVehicleEF	LHD1	1.1240e-003	0.02
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	0.49	0.60
tblVehicleEF	LHD1	0.32	0.26

tblVehicleEF	LHD1	9.2000e-005	1.2870e-003
tblVehicleEF	LHD1	7.7760e-003	6.9380e-003
tblVehicleEF	LHD1	4.4100e-004	3.0900e-004
tblVehicleEF	LHD1	2.5090e-003	0.04
tblVehicleEF	LHD1	0.07	0.09
tblVehicleEF	LHD1	0.03	0.31
tblVehicleEF	LHD1	1.1240e-003	0.02
tblVehicleEF	LHD1	0.18	0.21
tblVehicleEF	LHD1	0.49	0.60
tblVehicleEF	LHD1	0.34	0.29
tblVehicleEF	LHD1	1.1130e-003	1.1170e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.16
tblVehicleEF	LHD1	1.55	1.70
tblVehicleEF	LHD1	2.75	2.89
tblVehicleEF	LHD1	8.36	8.49
tblVehicleEF	LHD1	723.43	735.34
tblVehicleEF	LHD1	34.06	34.52
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.32	1.43
tblVehicleEF	LHD1	0.98	1.00
tblVehicleEF	LHD1	8.3400e-004	8.4100e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	8.4700e-004	9.2800e-004
tblVehicleEF	LHD1	7.6700e-004	7.7300e-004

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.8100e-004	8.5400e-004
tblVehicleEF	LHD1	6.2210e-003	6.4480e-003
tblVehicleEF	LHD1	0.08	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.3950e-003	2.4570e-003
tblVehicleEF	LHD1	0.15	0.17
tblVehicleEF	LHD1	0.48	0.49
tblVehicleEF	LHD1	0.26	0.28
tblVehicleEF	LHD1	7.7770e-003	7.7810e-003
tblVehicleEF	LHD1	4.2100e-004	4.2300e-004
tblVehicleEF	LHD1	6.2210e-003	6.4480e-003
tblVehicleEF	LHD1	0.08	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.3950e-003	2.4570e-003
tblVehicleEF	LHD1	0.18	0.20
tblVehicleEF	LHD1	0.48	0.49
tblVehicleEF	LHD1	0.28	0.30
tblVehicleEF	LHD1	1.1130e-003	1.1170e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.16
tblVehicleEF	LHD1	1.48	1.63
tblVehicleEF	LHD1	5.13	5.40
tblVehicleEF	LHD1	8.36	8.49
tblVehicleEF	LHD1	723.43	735.34
tblVehicleEF	LHD1	34.06	34.52

tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.44	1.56
tblVehicleEF	LHD1	1.10	1.13
tblVehicleEF	LHD1	8.3400e-004	8.4100e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	8.4700e-004	9.2800e-004
tblVehicleEF	LHD1	7.6700e-004	7.7300e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.8100e-004	8.5400e-004
tblVehicleEF	LHD1	8.2300e-004	8.3700e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	0.54	0.55
tblVehicleEF	LHD1	0.38	0.40
tblVehicleEF	LHD1	7.7760e-003	7.7790e-003
tblVehicleEF	LHD1	4.6200e-004	4.6600e-004
tblVehicleEF	LHD1	8.2300e-004	8.3700e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.54	0.55
tblVehicleEF	LHD1	0.41	0.43
tblVehicleEF	LHD2	7.9400e-004	7.9600e-004
tblVehicleEF	LHD2	0.01	0.01

tblVehicleEF	LHD2	8.4080e-003	9.0780e-003
tblVehicleEF	LHD2	0.12	1.59
tblVehicleEF	LHD2	1.03	0.95
tblVehicleEF	LHD2	1.83	1.32
tblVehicleEF	LHD2	9.27	196.77
tblVehicleEF	LHD2	608.14	734.83
tblVehicleEF	LHD2	18.72	19.96
tblVehicleEF	LHD2	5.9310e-003	1.0000e-003
tblVehicleEF	LHD2	0.14	1.74
tblVehicleEF	LHD2	1.97	1.99
tblVehicleEF	LHD2	0.52	0.48
tblVehicleEF	LHD2	1.4670e-003	0.02
tblVehicleEF	LHD2	0.07	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	3.6800e-004	4.6700e-004
tblVehicleEF	LHD2	1.3500e-003	0.02
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	2.6880e-003	2.7010e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	3.3900e-004	4.3000e-004
tblVehicleEF	LHD2	1.1250e-003	0.02
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.19
tblVehicleEF	LHD2	5.1600e-004	8.3010e-003
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.21	0.27
tblVehicleEF	LHD2	0.15	0.13

tblVehicleEF	LHD2	9.9000e-005	1.9160e-003
tblVehicleEF	LHD2	6.4490e-003	7.1440e-003
tblVehicleEF	LHD2	2.3600e-004	2.2400e-004
tblVehicleEF	LHD2	1.1250e-003	0.02
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.25
tblVehicleEF	LHD2	5.1600e-004	8.3010e-003
tblVehicleEF	LHD2	0.16	0.17
tblVehicleEF	LHD2	0.21	0.27
tblVehicleEF	LHD2	0.16	0.14
tblVehicleEF	LHD2	7.9400e-004	7.9600e-004
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.4080e-003	9.0780e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.05	1.14
tblVehicleEF	LHD2	1.30	1.39
tblVehicleEF	LHD2	9.27	9.42
tblVehicleEF	LHD2	608.14	618.38
tblVehicleEF	LHD2	18.72	18.97
tblVehicleEF	LHD2	5.9310e-003	5.9380e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	1.87	2.03
tblVehicleEF	LHD2	0.49	0.50
tblVehicleEF	LHD2	1.4670e-003	1.4750e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	3.6800e-004	4.1700e-004

tblVehicleEF	LHD2	1.3500e-003	1.3570e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	3.3900e-004	3.8300e-004
tblVehicleEF	LHD2	2.7860e-003	2.9840e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0980e-003	1.1540e-003
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.21	0.22
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	6.4490e-003	6.4540e-003
tblVehicleEF	LHD2	2.2700e-004	2.2900e-004
tblVehicleEF	LHD2	2.7860e-003	2.9840e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0980e-003	1.1540e-003
tblVehicleEF	LHD2	0.16	0.17
tblVehicleEF	LHD2	0.21	0.22
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	7.9400e-004	7.9600e-004
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.4080e-003	9.0780e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.03	1.12
tblVehicleEF	LHD2	2.39	2.57
tblVehicleEF	LHD2	9.27	9.42
tblVehicleEF	LHD2	608.14	618.38

tblVehicleEF	LHD2	18.72	18.97
tblVehicleEF	LHD2	5.9310e-003	5.9380e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	2.01	2.18
tblVehicleEF	LHD2	0.55	0.57
tblVehicleEF	LHD2	1.4670e-003	1.4750e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	3.6800e-004	4.1700e-004
tblVehicleEF	LHD2	1.3500e-003	1.3570e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	3.3900e-004	3.8300e-004
tblVehicleEF	LHD2	3.7500e-004	3.9100e-004
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.3000e-004	2.3500e-004
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.24	0.25
tblVehicleEF	LHD2	0.18	0.19
tblVehicleEF	LHD2	6.4490e-003	6.4530e-003
tblVehicleEF	LHD2	2.4600e-004	2.4900e-004
tblVehicleEF	LHD2	3.7500e-004	3.9100e-004
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.3000e-004	2.3500e-004
tblVehicleEF	LHD2	0.16	0.17

tblVehicleEF	LHD2	0.24	0.25
tblVehicleEF	LHD2	0.19	0.20
tblVehicleEF	MCY	32.18	23.73
tblVehicleEF	MCY	10.73	10.05
tblVehicleEF	MCY	159.95	167.76
tblVehicleEF	MCY	39.78	48.51
tblVehicleEF	MCY	6.3500e-003	0.01
tblVehicleEF	MCY	1.28	1.20
tblVehicleEF	MCY	0.31	0.32
tblVehicleEF	MCY	0.04	0.01
tblVehicleEF	MCY	8.0000e-003	4.0000e-003
tblVehicleEF	MCY	4.5000e-004	1.7510e-003
tblVehicleEF	MCY	1.1010e-003	4.0330e-003
tblVehicleEF	MCY	0.02	5.0400e-003
tblVehicleEF	MCY	2.0000e-003	1.0000e-003
tblVehicleEF	MCY	3.7400e-004	1.6460e-003
tblVehicleEF	MCY	9.0500e-004	3.8200e-003
tblVehicleEF	MCY	0.95	2.61
tblVehicleEF	MCY	0.43	0.91
tblVehicleEF	MCY	0.46	1.36
tblVehicleEF	MCY	3.11	2.38
tblVehicleEF	MCY	1.35	2.50
tblVehicleEF	MCY	2.21	2.29
tblVehicleEF	MCY	2.3410e-003	2.1310e-003
tblVehicleEF	MCY	6.7000e-004	7.1700e-004
tblVehicleEF	MCY	0.95	2.61
tblVehicleEF	MCY	0.43	0.91
tblVehicleEF	MCY	0.46	1.36

tblVehicleEF	MCY	3.39	2.88
tblVehicleEF	MCY	1.35	2.50
tblVehicleEF	MCY	2.37	2.49
tblVehicleEF	MCY	31.65	32.57
tblVehicleEF	MCY	8.88	8.87
tblVehicleEF	MCY	159.95	160.76
tblVehicleEF	MCY	39.78	40.98
tblVehicleEF	MCY	6.3500e-003	6.3050e-003
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	4.5000e-004	5.0600e-004
tblVehicleEF	MCY	1.1010e-003	1.2360e-003
tblVehicleEF	MCY	3.7400e-004	4.1700e-004
tblVehicleEF	MCY	9.0500e-004	1.0060e-003
tblVehicleEF	MCY	2.55	2.57
tblVehicleEF	MCY	0.69	0.70
tblVehicleEF	MCY	1.34	1.35
tblVehicleEF	MCY	3.02	3.04
tblVehicleEF	MCY	1.28	1.34
tblVehicleEF	MCY	1.82	1.83
tblVehicleEF	MCY	2.3300e-003	2.3260e-003
tblVehicleEF	MCY	6.2900e-004	6.3500e-004
tblVehicleEF	MCY	2.55	2.57
tblVehicleEF	MCY	0.69	0.70
tblVehicleEF	MCY	1.34	1.35
tblVehicleEF	MCY	3.29	3.32
tblVehicleEF	MCY	1.28	1.34
tblVehicleEF	MCY	1.96	1.97

tblVehicleEF	MCY	35.18	36.25
tblVehicleEF	MCY	12.89	12.80
tblVehicleEF	MCY	159.95	160.76
tblVehicleEF	MCY	39.78	40.98
tblVehicleEF	MCY	6.3500e-003	6.3050e-003
tblVehicleEF	MCY	1.39	1.40
tblVehicleEF	MCY	0.34	0.34
tblVehicleEF	MCY	4.5000e-004	5.0600e-004
tblVehicleEF	MCY	1.1010e-003	1.2360e-003
tblVehicleEF	MCY	3.7400e-004	4.1700e-004
tblVehicleEF	MCY	9.0500e-004	1.0060e-003
tblVehicleEF	MCY	0.23	0.23
tblVehicleEF	MCY	0.45	0.47
tblVehicleEF	MCY	0.12	0.12
tblVehicleEF	MCY	3.25	3.29
tblVehicleEF	MCY	1.66	1.72
tblVehicleEF	MCY	2.64	2.66
tblVehicleEF	MCY	2.3930e-003	2.3910e-003
tblVehicleEF	MCY	7.1800e-004	7.2300e-004
tblVehicleEF	MCY	0.23	0.23
tblVehicleEF	MCY	0.45	0.47
tblVehicleEF	MCY	0.12	0.12
tblVehicleEF	MCY	3.54	3.58
tblVehicleEF	MCY	1.66	1.72
tblVehicleEF	MCY	2.83	2.86
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.79	1.74

tblVehicleEF	MDV	4.72	4.60
tblVehicleEF	MDV	478.24	532.34
tblVehicleEF	MDV	104.98	116.81
tblVehicleEF	MDV	0.17	0.06
tblVehicleEF	MDV	0.26	0.24
tblVehicleEF	MDV	0.43	0.44
tblVehicleEF	MDV	1.9980e-003	1.8200e-003
tblVehicleEF	MDV	3.8470e-003	2.7390e-003
tblVehicleEF	MDV	1.8440e-003	1.6810e-003
tblVehicleEF	MDV	3.5590e-003	2.5230e-003
tblVehicleEF	MDV	0.10	0.61
tblVehicleEF	MDV	0.22	0.23
tblVehicleEF	MDV	0.08	0.49
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.67	0.71
tblVehicleEF	MDV	0.40	0.37
tblVehicleEF	MDV	5.9370e-003	5.3400e-003
tblVehicleEF	MDV	1.3540e-003	1.2510e-003
tblVehicleEF	MDV	0.10	0.61
tblVehicleEF	MDV	0.22	0.23
tblVehicleEF	MDV	0.08	0.49
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.67	0.71
tblVehicleEF	MDV	0.43	0.41
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.13	2.31
tblVehicleEF	MDV	3.37	3.64

tblVehicleEF	MDV	520.50	536.45
tblVehicleEF	MDV	104.98	108.02
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.24	0.26
tblVehicleEF	MDV	0.39	0.42
tblVehicleEF	MDV	1.9980e-003	2.0370e-003
tblVehicleEF	MDV	3.8470e-003	3.7970e-003
tblVehicleEF	MDV	1.8440e-003	1.8780e-003
tblVehicleEF	MDV	3.5590e-003	3.5080e-003
tblVehicleEF	MDV	0.24	0.24
tblVehicleEF	MDV	0.25	0.26
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.64	0.66
tblVehicleEF	MDV	0.32	0.34
tblVehicleEF	MDV	6.4680e-003	6.4650e-003
tblVehicleEF	MDV	1.3300e-003	1.3320e-003
tblVehicleEF	MDV	0.24	0.24
tblVehicleEF	MDV	0.25	0.26
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.64	0.66
tblVehicleEF	MDV	0.34	0.37
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.72	1.88
tblVehicleEF	MDV	6.04	6.51
tblVehicleEF	MDV	464.92	479.25

tblVehicleEF	MDV	104.98	108.02
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.29	0.31
tblVehicleEF	MDV	0.47	0.51
tblVehicleEF	MDV	1.9980e-003	2.0370e-003
tblVehicleEF	MDV	3.8470e-003	3.7970e-003
tblVehicleEF	MDV	1.8440e-003	1.8780e-003
tblVehicleEF	MDV	3.5590e-003	3.5080e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.22	0.22
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.80	0.82
tblVehicleEF	MDV	0.49	0.53
tblVehicleEF	MDV	5.7710e-003	5.7680e-003
tblVehicleEF	MDV	1.3770e-003	1.3830e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.22	0.22
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.80	0.82
tblVehicleEF	MDV	0.52	0.56
tblVehicleEF	MH	2.30	4.69
tblVehicleEF	MH	7.44	7.92
tblVehicleEF	MH	710.02	1,243.87
tblVehicleEF	MH	28.05	62.52
tblVehicleEF	MH	2.3130e-003	7.0000e-003
tblVehicleEF	MH	1.64	2.09

tblVehicleEF	MH	0.75	1.01
tblVehicleEF	MH	0.05	0.13
tblVehicleEF	MH	8.6620e-003	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	8.1200e-004	1.8400e-003
tblVehicleEF	MH	0.02	0.06
tblVehicleEF	MH	2.1660e-003	3.2270e-003
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	7.3800e-004	1.7100e-003
tblVehicleEF	MH	1.05	0.15
tblVehicleEF	MH	0.07	0.10
tblVehicleEF	MH	0.31	0.04
tblVehicleEF	MH	0.11	0.20
tblVehicleEF	MH	1.79	2.20
tblVehicleEF	MH	0.40	0.50
tblVehicleEF	MH	7.6540e-003	0.01
tblVehicleEF	MH	4.3400e-004	7.6500e-004
tblVehicleEF	MH	1.05	0.15
tblVehicleEF	MH	0.07	0.10
tblVehicleEF	MH	0.31	0.04
tblVehicleEF	MH	0.14	0.26
tblVehicleEF	MH	1.79	2.20
tblVehicleEF	MH	0.43	0.55
tblVehicleEF	MH	2.38	2.97
tblVehicleEF	MH	5.16	5.61
tblVehicleEF	MH	710.02	721.75
tblVehicleEF	MH	28.05	28.69
tblVehicleEF	MH	2.3130e-003	2.3090e-003

tblVehicleEF	MH	1.52	1.62
tblVehicleEF	MH	0.70	0.74
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.6620e-003	8.6650e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	8.1200e-004	9.6900e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	7.3800e-004	8.7400e-004
tblVehicleEF	MH	2.63	2.86
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.61	0.66
tblVehicleEF	MH	0.11	0.13
tblVehicleEF	MH	1.76	1.87
tblVehicleEF	MH	0.32	0.35
tblVehicleEF	MH	7.6550e-003	7.6660e-003
tblVehicleEF	MH	3.9600e-004	4.0500e-004
tblVehicleEF	MH	2.63	2.86
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.61	0.66
tblVehicleEF	MH	0.14	0.16
tblVehicleEF	MH	1.76	1.87
tblVehicleEF	MH	0.34	0.38
tblVehicleEF	MH	2.25	2.82
tblVehicleEF	MH	9.92	10.86
tblVehicleEF	MH	710.02	721.75
tblVehicleEF	MH	28.05	28.69
tblVehicleEF	MH	2.3130e-003	2.3090e-003

tblVehicleEF	MH	1.70	1.81
tblVehicleEF	MH	0.80	0.84
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	8.6620e-003	8.6650e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	8.1200e-004	9.6900e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	7.3800e-004	8.7400e-004
tblVehicleEF	MH	0.33	0.35
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.16	0.17
tblVehicleEF	MH	0.11	0.13
tblVehicleEF	MH	1.92	2.04
tblVehicleEF	MH	0.49	0.55
tblVehicleEF	MH	7.6530e-003	7.6640e-003
tblVehicleEF	MH	4.7500e-004	4.9400e-004
tblVehicleEF	MH	0.33	0.35
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.16	0.17
tblVehicleEF	MH	0.13	0.15
tblVehicleEF	MH	1.92	2.04
tblVehicleEF	MH	0.52	0.58
tblVehicleEF	MHD	8.5650e-003	8.7370e-003
tblVehicleEF	MHD	7.1870e-003	7.8690e-003
tblVehicleEF	MHD	1.93	2.26
tblVehicleEF	MHD	0.83	0.95
tblVehicleEF	MHD	18.11	1.68

tblVehicleEF	MHD	577.48	669.17
tblVehicleEF	MHD	1,034.59	1,222.97
tblVehicleEF	MHD	53.16	10.78
tblVehicleEF	MHD	0.02	7.0000e-003
tblVehicleEF	MHD	5.74	5.46
tblVehicleEF	MHD	2.91	3.29
tblVehicleEF	MHD	1.58	0.22
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	0.12	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.07	0.09
tblVehicleEF	MHD	2.4580e-003	2.3900e-004
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	2.8730e-003	3.0000e-003
tblVehicleEF	MHD	0.07	0.09
tblVehicleEF	MHD	2.1250e-003	2.2000e-004
tblVehicleEF	MHD	3.1450e-003	7.5080e-003
tblVehicleEF	MHD	0.11	0.01
tblVehicleEF	MHD	0.18	0.22
tblVehicleEF	MHD	1.4200e-003	3.1290e-003
tblVehicleEF	MHD	0.17	0.23
tblVehicleEF	MHD	0.47	0.07
tblVehicleEF	MHD	1.11	0.10
tblVehicleEF	MHD	5.9880e-003	6.4280e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	8.9600e-004	1.3700e-004
tblVehicleEF	MHD	3.1450e-003	7.5080e-003

tblVehicleEF	MHD	0.11	0.01
tblVehicleEF	MHD	0.21	0.28
tblVehicleEF	MHD	1.4200e-003	3.1290e-003
tblVehicleEF	MHD	0.20	0.26
tblVehicleEF	MHD	0.47	0.07
tblVehicleEF	MHD	1.19	0.11
tblVehicleEF	MHD	8.0720e-003	8.2340e-003
tblVehicleEF	MHD	7.1870e-003	7.8690e-003
tblVehicleEF	MHD	1.41	1.41
tblVehicleEF	MHD	0.84	0.97
tblVehicleEF	MHD	12.90	14.56
tblVehicleEF	MHD	611.79	619.73
tblVehicleEF	MHD	1,034.59	1,052.81
tblVehicleEF	MHD	53.16	56.27
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.92	6.26
tblVehicleEF	MHD	2.77	3.17
tblVehicleEF	MHD	1.48	1.58
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.07	0.08
tblVehicleEF	MHD	2.4580e-003	3.3290e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8730e-003	2.8720e-003
tblVehicleEF	MHD	0.07	0.08
tblVehicleEF	MHD	2.1250e-003	2.8080e-003
tblVehicleEF	MHD	8.1210e-003	9.5230e-003

tblVehicleEF	MHD	0.13	0.16
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	3.2330e-003	3.7670e-003
tblVehicleEF	MHD	0.17	0.19
tblVehicleEF	MHD	0.47	0.53
tblVehicleEF	MHD	0.88	1.04
tblVehicleEF	MHD	6.3440e-003	6.3240e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	8.0700e-004	8.6200e-004
tblVehicleEF	MHD	8.1210e-003	9.5230e-003
tblVehicleEF	MHD	0.13	0.16
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	3.2330e-003	3.7670e-003
tblVehicleEF	MHD	0.20	0.22
tblVehicleEF	MHD	0.47	0.53
tblVehicleEF	MHD	0.94	1.11
tblVehicleEF	MHD	9.2460e-003	9.4320e-003
tblVehicleEF	MHD	7.1870e-003	7.8690e-003
tblVehicleEF	MHD	2.66	2.67
tblVehicleEF	MHD	0.83	0.97
tblVehicleEF	MHD	23.83	26.20
tblVehicleEF	MHD	530.10	536.98
tblVehicleEF	MHD	1,034.59	1,052.81
tblVehicleEF	MHD	53.16	56.27
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.48	5.80
tblVehicleEF	MHD	2.97	3.41
tblVehicleEF	MHD	1.67	1.78

tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.07	0.08
tblVehicleEF	MHD	2.4580e-003	3.3290e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8730e-003	2.8720e-003
tblVehicleEF	MHD	0.07	0.08
tblVehicleEF	MHD	2.1250e-003	2.8080e-003
tblVehicleEF	MHD	9.3900e-004	1.0730e-003
tblVehicleEF	MHD	0.12	0.16
tblVehicleEF	MHD	0.20	0.20
tblVehicleEF	MHD	5.6400e-004	6.3800e-004
tblVehicleEF	MHD	0.17	0.19
tblVehicleEF	MHD	0.52	0.58
tblVehicleEF	MHD	1.36	1.62
tblVehicleEF	MHD	5.4970e-003	5.4790e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	9.9400e-004	1.0630e-003
tblVehicleEF	MHD	9.3900e-004	1.0730e-003
tblVehicleEF	MHD	0.12	0.16
tblVehicleEF	MHD	0.23	0.23
tblVehicleEF	MHD	5.6400e-004	6.3800e-004
tblVehicleEF	MHD	0.20	0.22
tblVehicleEF	MHD	0.52	0.58
tblVehicleEF	MHD	1.46	1.73
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	2.3450e-003	2.3740e-003

tblVehicleEF	OBUS	2.55	4.01
tblVehicleEF	OBUS	1.78	1.39
tblVehicleEF	OBUS	12.74	5.62
tblVehicleEF	OBUS	545.88	1,218.51
tblVehicleEF	OBUS	980.08	1,323.58
tblVehicleEF	OBUS	33.46	50.26
tblVehicleEF	OBUS	1.1130e-003	0.00
tblVehicleEF	OBUS	5.14	7.46
tblVehicleEF	OBUS	2.63	1.89
tblVehicleEF	OBUS	1.69	0.94
tblVehicleEF	OBUS	0.01	4.1480e-003
tblVehicleEF	OBUS	0.08	0.13
tblVehicleEF	OBUS	9.9560e-003	0.01
tblVehicleEF	OBUS	0.03	8.4590e-003
tblVehicleEF	OBUS	7.1600e-004	5.9900e-004
tblVehicleEF	OBUS	9.3200e-003	3.9690e-003
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	2.4890e-003	3.0000e-003
tblVehicleEF	OBUS	0.03	8.0680e-003
tblVehicleEF	OBUS	6.6500e-004	5.5100e-004
tblVehicleEF	OBUS	9.1100e-004	0.03
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.44	0.56
tblVehicleEF	OBUS	3.5400e-004	9.6800e-003
tblVehicleEF	OBUS	0.16	0.10
tblVehicleEF	OBUS	0.24	0.16
tblVehicleEF	OBUS	0.74	0.35
tblVehicleEF	OBUS	5.6610e-003	0.01

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.8600e-004	6.0100e-004
tblVehicleEF	OBUS	9.1100e-004	0.03
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.50	0.76
tblVehicleEF	OBUS	3.5400e-004	9.6800e-003
tblVehicleEF	OBUS	0.19	0.13
tblVehicleEF	OBUS	0.24	0.16
tblVehicleEF	OBUS	0.79	0.38
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	2.3450e-003	2.3740e-003
tblVehicleEF	OBUS	1.85	1.80
tblVehicleEF	OBUS	1.83	2.12
tblVehicleEF	OBUS	9.08	9.84
tblVehicleEF	OBUS	578.31	587.81
tblVehicleEF	OBUS	980.08	997.72
tblVehicleEF	OBUS	33.46	34.62
tblVehicleEF	OBUS	1.1130e-003	1.1120e-003
tblVehicleEF	OBUS	5.30	5.47
tblVehicleEF	OBUS	2.47	2.76
tblVehicleEF	OBUS	1.59	1.69
tblVehicleEF	OBUS	8.5400e-003	8.6440e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	9.9560e-003	9.9580e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.1600e-004	9.6500e-004
tblVehicleEF	OBUS	7.8570e-003	7.9520e-003
tblVehicleEF	OBUS	0.04	0.04

tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.6500e-004	8.6200e-004
tblVehicleEF	OBUS	2.2460e-003	2.4470e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.41	0.40
tblVehicleEF	OBUS	6.8700e-004	7.3400e-004
tblVehicleEF	OBUS	0.17	0.18
tblVehicleEF	OBUS	0.24	0.25
tblVehicleEF	OBUS	0.61	0.67
tblVehicleEF	OBUS	5.9970e-003	5.9980e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	5.2500e-004	5.4500e-004
tblVehicleEF	OBUS	2.2460e-003	2.4470e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.47	0.45
tblVehicleEF	OBUS	6.8700e-004	7.3400e-004
tblVehicleEF	OBUS	0.19	0.21
tblVehicleEF	OBUS	0.24	0.25
tblVehicleEF	OBUS	0.65	0.72
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	2.3450e-003	2.3740e-003
tblVehicleEF	OBUS	3.51	3.41
tblVehicleEF	OBUS	1.74	2.02
tblVehicleEF	OBUS	16.69	17.89
tblVehicleEF	OBUS	501.09	509.32
tblVehicleEF	OBUS	980.08	997.72
tblVehicleEF	OBUS	33.46	34.62
tblVehicleEF	OBUS	1.1130e-003	1.1120e-003

tblVehicleEF	OBUS	4.91	5.06
tblVehicleEF	OBUS	2.71	3.03
tblVehicleEF	OBUS	1.80	1.91
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	9.9560e-003	9.9580e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	7.1600e-004	9.6500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.6500e-004	8.6200e-004
tblVehicleEF	OBUS	3.3600e-004	3.5200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.47	0.46
tblVehicleEF	OBUS	1.8400e-004	1.9100e-004
tblVehicleEF	OBUS	0.16	0.18
tblVehicleEF	OBUS	0.26	0.27
tblVehicleEF	OBUS	0.87	0.97
tblVehicleEF	OBUS	5.1960e-003	5.1970e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	6.5300e-004	6.8100e-004
tblVehicleEF	OBUS	3.3600e-004	3.5200e-004
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.54	0.52
tblVehicleEF	OBUS	1.8400e-004	1.9100e-004
tblVehicleEF	OBUS	0.19	0.21
tblVehicleEF	OBUS	0.26	0.27

tblVehicleEF	OBUS	0.93	1.03
tblVehicleEF	SBUS	4.3860e-003	4.3220e-003
tblVehicleEF	SBUS	5.8020e-003	5.7280e-003
tblVehicleEF	SBUS	1.02	19.76
tblVehicleEF	SBUS	4.81	1.08
tblVehicleEF	SBUS	44.18	6.43
tblVehicleEF	SBUS	556.78	3,435.79
tblVehicleEF	SBUS	1,083.44	1,137.05
tblVehicleEF	SBUS	119.60	32.35
tblVehicleEF	SBUS	6.2600e-004	1.0000e-003
tblVehicleEF	SBUS	7.66	34.69
tblVehicleEF	SBUS	7.74	5.78
tblVehicleEF	SBUS	2.66	0.47
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.60	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.03
tblVehicleEF	SBUS	7.5970e-003	5.7000e-004
tblVehicleEF	SBUS	0.01	0.04
tblVehicleEF	SBUS	0.26	0.32
tblVehicleEF	SBUS	2.7910e-003	2.7420e-003
tblVehicleEF	SBUS	0.05	0.03
tblVehicleEF	SBUS	6.8800e-003	5.2400e-004
tblVehicleEF	SBUS	0.06	0.01
tblVehicleEF	SBUS	0.27	0.03
tblVehicleEF	SBUS	0.09	2.38
tblVehicleEF	SBUS	0.02	4.4620e-003
tblVehicleEF	SBUS	0.46	0.14

tblVehicleEF	SBUS	2.14	0.26
tblVehicleEF	SBUS	2.84	0.32
tblVehicleEF	SBUS	5.7740e-003	0.03
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.0810e-003	4.3400e-004
tblVehicleEF	SBUS	0.06	0.01
tblVehicleEF	SBUS	0.27	0.03
tblVehicleEF	SBUS	0.11	3.42
tblVehicleEF	SBUS	0.02	4.4620e-003
tblVehicleEF	SBUS	0.51	0.17
tblVehicleEF	SBUS	2.14	0.26
tblVehicleEF	SBUS	3.04	0.35
tblVehicleEF	SBUS	4.1340e-003	4.0730e-003
tblVehicleEF	SBUS	5.8020e-003	5.7280e-003
tblVehicleEF	SBUS	0.74	0.72
tblVehicleEF	SBUS	4.96	5.12
tblVehicleEF	SBUS	34.11	35.52
tblVehicleEF	SBUS	589.86	596.75
tblVehicleEF	SBUS	1,083.44	1,103.80
tblVehicleEF	SBUS	119.60	121.63
tblVehicleEF	SBUS	6.2600e-004	6.3400e-004
tblVehicleEF	SBUS	7.91	8.00
tblVehicleEF	SBUS	7.31	7.49
tblVehicleEF	SBUS	2.45	2.54
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.60	0.60
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05

tblVehicleEF	SBUS	7.5970e-003	7.9570e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.26	0.26
tblVehicleEF	SBUS	2.7910e-003	2.7940e-003
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	6.8800e-003	7.2070e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.28	0.29
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.48	0.49
tblVehicleEF	SBUS	1.94	1.98
tblVehicleEF	SBUS	2.38	2.48
tblVehicleEF	SBUS	6.1170e-003	6.0890e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.9080e-003	1.9340e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.28	0.29
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.52	0.53
tblVehicleEF	SBUS	1.94	1.98
tblVehicleEF	SBUS	2.54	2.65
tblVehicleEF	SBUS	4.7350e-003	4.6660e-003
tblVehicleEF	SBUS	5.8020e-003	5.7280e-003
tblVehicleEF	SBUS	1.41	1.37
tblVehicleEF	SBUS	4.72	4.87
tblVehicleEF	SBUS	55.95	58.26

tblVehicleEF	SBUS	511.10	517.07
tblVehicleEF	SBUS	1,083.44	1,103.80
tblVehicleEF	SBUS	119.60	121.63
tblVehicleEF	SBUS	6.2600e-004	6.3400e-004
tblVehicleEF	SBUS	7.32	7.40
tblVehicleEF	SBUS	7.91	8.11
tblVehicleEF	SBUS	2.85	2.96
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.60	0.60
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	7.5970e-003	7.9570e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.26	0.26
tblVehicleEF	SBUS	2.7910e-003	2.7940e-003
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	6.8800e-003	7.2070e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.31	0.31
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	8.2380e-003	8.4270e-003
tblVehicleEF	SBUS	0.45	0.45
tblVehicleEF	SBUS	2.56	2.63
tblVehicleEF	SBUS	3.35	3.49
tblVehicleEF	SBUS	5.3000e-003	5.2760e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.2820e-003	2.3230e-003
tblVehicleEF	SBUS	0.02	0.02

tblVehicleEF	SBUS	0.31	0.31
tblVehicleEF	SBUS	0.12	0.11
tblVehicleEF	SBUS	8.2380e-003	8.4270e-003
tblVehicleEF	SBUS	0.49	0.50
tblVehicleEF	SBUS	2.56	2.63
tblVehicleEF	SBUS	3.58	3.73
tblVehicleEF	UBUS	7.03	11.42
tblVehicleEF	UBUS	15.80	15.18
tblVehicleEF	UBUS	1,998.05	2,042.49
tblVehicleEF	UBUS	24.30	96.63
tblVehicleEF	UBUS	1.4690e-003	1.0000e-003
tblVehicleEF	UBUS	12.37	11.78
tblVehicleEF	UBUS	1.81	1.87
tblVehicleEF	UBUS	0.71	0.62
tblVehicleEF	UBUS	8.0000e-003	0.01
tblVehicleEF	UBUS	0.20	0.21
tblVehicleEF	UBUS	1.0080e-003	1.3160e-003
tblVehicleEF	UBUS	0.30	0.27
tblVehicleEF	UBUS	2.0000e-003	3.0000e-003
tblVehicleEF	UBUS	0.19	0.20
tblVehicleEF	UBUS	8.3800e-004	1.2230e-003
tblVehicleEF	UBUS	5.8820e-003	0.03
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	2.4450e-003	9.7990e-003
tblVehicleEF	UBUS	0.87	0.93
tblVehicleEF	UBUS	0.52	0.60
tblVehicleEF	UBUS	1.11	1.05
tblVehicleEF	UBUS	0.02	0.01

tblVehicleEF	UBUS	5.4700e-004	1.2380e-003
tblVehicleEF	UBUS	5.8820e-003	0.03
tblVehicleEF	UBUS	0.10	0.10
tblVehicleEF	UBUS	2.4450e-003	9.7990e-003
tblVehicleEF	UBUS	0.96	2.70
tblVehicleEF	UBUS	0.52	0.60
tblVehicleEF	UBUS	1.19	1.15
tblVehicleEF	UBUS	7.09	7.31
tblVehicleEF	UBUS	12.39	12.90
tblVehicleEF	UBUS	1,998.05	2,036.82
tblVehicleEF	UBUS	24.30	24.72
tblVehicleEF	UBUS	1.4690e-003	1.4680e-003
tblVehicleEF	UBUS	11.69	12.01
tblVehicleEF	UBUS	1.69	1.75
tblVehicleEF	UBUS	0.20	0.21
tblVehicleEF	UBUS	1.0080e-003	1.0390e-003
tblVehicleEF	UBUS	0.19	0.19
tblVehicleEF	UBUS	8.3800e-004	8.6500e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.13	0.13
tblVehicleEF	UBUS	5.5440e-003	5.7450e-003
tblVehicleEF	UBUS	0.87	0.90
tblVehicleEF	UBUS	0.49	0.50
tblVehicleEF	UBUS	0.95	0.98
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	4.8800e-004	4.9700e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.13	0.13

tblVehicleEF	UBUS	5.5440e-003	5.7450e-003
tblVehicleEF	UBUS	0.97	1.00
tblVehicleEF	UBUS	0.49	0.50
tblVehicleEF	UBUS	1.02	1.05
tblVehicleEF	UBUS	7.15	7.37
tblVehicleEF	UBUS	19.41	20.22
tblVehicleEF	UBUS	1,998.05	2,036.82
tblVehicleEF	UBUS	24.30	24.72
tblVehicleEF	UBUS	1.4690e-003	1.4680e-003
tblVehicleEF	UBUS	12.64	13.00
tblVehicleEF	UBUS	1.93	1.99
tblVehicleEF	UBUS	0.20	0.21
tblVehicleEF	UBUS	1.0080e-003	1.0390e-003
tblVehicleEF	UBUS	0.19	0.19
tblVehicleEF	UBUS	8.3800e-004	8.6500e-004
tblVehicleEF	UBUS	1.9430e-003	2.0040e-003
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	1.0710e-003	1.1060e-003
tblVehicleEF	UBUS	0.86	0.89
tblVehicleEF	UBUS	0.64	0.64
tblVehicleEF	UBUS	1.28	1.32
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	6.0900e-004	6.2300e-004
tblVehicleEF	UBUS	1.9430e-003	2.0040e-003
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	1.0710e-003	1.1060e-003
tblVehicleEF	UBUS	0.96	0.98
tblVehicleEF	UBUS	0.64	0.64

tblVehicleEF	UBUS	1.37	1.41
tblVehicleTrips	ST_TR	7.16	6.65
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	6.07	6.65
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	6.59	6.65
tblVehicleTrips	WD_TR	32.93	0.00
tblWoodstoves	NumberCatalytic	18.75	0.00
tblWoodstoves	NumberNoncatalytic	18.75	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					
2016	0.1925	2.1444	1.5312	2.0000e-003	0.2261	0.1027	0.3288	0.1127	0.0948	0.2075	0.0000	186.1220	186.1220	0.0471	0.0000	187.1111
2017	0.5695	4.1090	4.3842	8.1000e-003	0.3038	0.2426	0.5464	0.0816	0.2276	0.3092	0.0000	666.9157	666.9157	0.0886	0.0000	668.7765
2018	3.5614	1.7161	1.9177	3.7000e-003	0.1326	0.0966	0.2293	0.0356	0.0907	0.1263	0.0000	300.5533	300.5533	0.0430	0.0000	301.4560
Total	4.3233	7.9696	7.8331	0.0138	0.6625	0.4419	1.1044	0.2299	0.4131	0.6430	0.0000	1,153.5910	1,153.5910	0.1787	0.0000	1,157.3436

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					
2016	0.1925	2.1444	1.5312	2.0000e-003	0.2261	0.1027	0.3288	0.1127	0.0948	0.2075	0.0000	186.1218	186.1218	0.0471	0.0000	187.1109
2017	0.5695	4.1090	4.3842	8.1000e-003	0.3038	0.2426	0.5464	0.0816	0.2276	0.3092	0.0000	666.9153	666.9153	0.0886	0.0000	668.7762
2018	3.5614	1.7161	1.9177	3.7000e-003	0.1326	0.0966	0.2293	0.0356	0.0907	0.1263	0.0000	300.5531	300.5531	0.0430	0.0000	301.4558
Total	4.3233	7.9696	7.8331	0.0138	0.6625	0.4419	1.1044	0.2299	0.4131	0.6430	0.0000	1,153.5902	1,153.5902	0.1787	0.0000	1,157.3429

	ROG	NOx	CO	SO2	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	2.1145	0.0260	2.2406	1.2000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	3.6426	3.6426	3.5800e-003	0.0000	3.7178
Energy	0.0339	0.2903	0.1253	1.8500e-003		0.0235	0.0235		0.0235	0.0235	0.0000	533.6419	533.6419	0.0251	0.0100	537.2766
Mobile	2.0693	1.8774	11.3309	0.0239	2.1466	0.0244	2.1710	0.5730	0.0228	0.5958	0.0000	2,162.1278	2,162.1278	0.0835	0.0000	2,163.8817
Waste						0.0000	0.0000		0.0000	0.0000	34.3765	0.0000	34.3765	2.0316	0.0000	77.0400
Water						0.0000	0.0000		0.0000	0.0000	6.3043	21.0761	27.3805	0.6495	0.0157	45.8874
Total	4.2177	2.1936	13.6969	0.0258	2.1466	0.0601	2.2067	0.5730	0.0585	0.6315	40.6808	2,720.4885	2,761.1693	2.7933	0.0257	2,827.8035

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	2.1145	0.0260	2.2406	1.2000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	3.6426	3.6426	3.5800e-003	0.0000	3.7178
Energy	0.0339	0.2903	0.1253	1.8500e-003		0.0235	0.0235		0.0235	0.0235	0.0000	533.6419	533.6419	0.0251	0.0100	537.2766
Mobile	2.0693	1.8774	11.3309	0.0239	2.1466	0.0244	2.1710	0.5730	0.0228	0.5958	0.0000	2,162.1278	2,162.1278	0.0835	0.0000	2,163.8817
Waste						0.0000	0.0000		0.0000	0.0000	34.3765	0.0000	34.3765	2.0316	0.0000	77.0400
Water						0.0000	0.0000		0.0000	0.0000	6.3043	21.0761	27.3805	0.6494	0.0157	45.8773
Total	4.2177	2.1936	13.6969	0.0258	2.1466	0.0601	2.2067	0.5730	0.0585	0.6315	40.6808	2,720.4885	2,761.1693	2.7932	0.0257	2,827.7934

	ROG	NOx	CO	SO2	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	10/1/2016	10/28/2016	5	20	
2	Site Preparation	Site Preparation	10/28/2016	11/10/2016	5	10	
3	Grading	Grading	11/11/2016	12/29/2016	5	35	
4	Building Construction	Building Construction	12/30/2016	5/31/2018	5	370	
5	Paving	Paving	6/1/2018	6/28/2018	5	20	
6	Architectural Coating	Architectural Coating	6/29/2018	7/26/2018	5	20	

Acres of Grading (Site Preparation Phase): 17.91

Acres of Grading (Grading Phase): 17.91

Acres of Paving: 0

Residential Indoor: 701,839; Residential Outdoor: 240,022; Non-Residential Indoor: 8,250; Non-Residential Outdoor: 7,784 (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	643.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	255.00	47.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	51.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0429	0.4566	0.3503	4.0000e-004		0.0229	0.0229		0.0214	0.0214	0.0000	37.0974	37.0974	0.0101	0.0000	37.3092
Total	0.0429	0.4566	0.3503	4.0000e-004		0.0229	0.0229		0.0214	0.0214	0.0000	37.0974	37.0974	0.0101	0.0000	37.3092

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.2600e-003	0.0856	0.0717	2.4000e-004	5.4800e-003	1.3200e-003	6.8000e-003	1.5100e-003	1.2200e-003	2.7200e-003	0.0000	21.9429	21.9429	1.6000e-004	0.0000	21.9464
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	6.8000e-004	6.5700e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0621	1.0621	5.0000e-005	0.0000	1.0632
Total	6.8000e-003	0.0863	0.0782	2.5000e-004	6.6700e-003	1.3300e-003	8.0000e-003	1.8300e-003	1.2300e-003	3.0500e-003	0.0000	23.0050	23.0050	2.1000e-004	0.0000	23.0096

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0429	0.4566	0.3503	4.0000e-004		0.0229	0.0229		0.0214	0.0214	0.0000	37.0973	37.0973	0.0101	0.0000	37.3092
Total	0.0429	0.4566	0.3503	4.0000e-004		0.0229	0.0229		0.0214	0.0214	0.0000	37.0973	37.0973	0.0101	0.0000	37.3092

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.2600e-003	0.0856	0.0717	2.4000e-004	5.4800e-003	1.3200e-003	6.8000e-003	1.5100e-003	1.2200e-003	2.7200e-003	0.0000	21.9429	21.9429	1.6000e-004	0.0000	21.9464
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	6.8000e-004	6.5700e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0621	1.0621	5.0000e-005	0.0000	1.0632
Total	6.8000e-003	0.0863	0.0782	2.5000e-004	6.6700e-003	1.3300e-003	8.0000e-003	1.8300e-003	1.2300e-003	3.0500e-003	0.0000	23.0050	23.0050	2.1000e-004	0.0000	23.0096

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0998	0.0000	0.0998	0.0507	0.0000	0.0507	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0254	0.2732	0.2055	2.0000e-004		0.0147	0.0147		0.0135	0.0135	0.0000	18.4386	18.4386	5.5600e-003	0.0000	18.5554
Total	0.0254	0.2732	0.2055	2.0000e-004	0.0998	0.0147	0.1145	0.0507	0.0135	0.0642	0.0000	18.4386	18.4386	5.5600e-003	0.0000	18.5554

3.3 Site Preparation - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	3.2000e-004	4.1000e-004	3.9400e-003	1.0000e-005	7.2000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6373	0.6373	3.0000e-005	0.0000	0.6380
Total	3.2000e-004	4.1000e-004	3.9400e-003	1.0000e-005	7.2000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6373	0.6373	3.0000e-005	0.0000	0.6380

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0998	0.0000	0.0998	0.0507	0.0000	0.0507	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0254	0.2732	0.2055	2.0000e-004		0.0147	0.0147		0.0135	0.0135	0.0000	18.4385	18.4385	5.5600e-003	0.0000	18.5553
Total	0.0254	0.2732	0.2055	2.0000e-004	0.0998	0.0147	0.1145	0.0507	0.0135	0.0642	0.0000	18.4385	18.4385	5.5600e-003	0.0000	18.5553

3.3 Site Preparation - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	3.2000e-004	4.1000e-004	3.9400e-003	1.0000e-005	7.2000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6373	0.6373	3.0000e-005	0.0000	0.6380
Total	3.2000e-004	4.1000e-004	3.9400e-003	1.0000e-005	7.2000e-004	1.0000e-005	7.2000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6373	0.6373	3.0000e-005	0.0000	0.6380

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1149	0.0000	0.1149	0.0590	0.0000	0.0590	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1134	1.3092	0.8599	1.0800e-003		0.0627	0.0627		0.0577	0.0577	0.0000	101.8425	101.8425	0.0307	0.0000	102.4876
Total	0.1134	1.3092	0.8599	1.0800e-003	0.1149	0.0627	0.1776	0.0590	0.0577	0.1167	0.0000	101.8425	101.8425	0.0307	0.0000	102.4876

3.4 Grading - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.2600e-003	1.5900e-003	0.0153	3.0000e-005	2.7900e-003	2.0000e-005	2.8100e-003	7.4000e-004	2.0000e-005	7.6000e-004	0.0000	2.4782	2.4782	1.3000e-004	0.0000	2.4809
Total	1.2600e-003	1.5900e-003	0.0153	3.0000e-005	2.7900e-003	2.0000e-005	2.8100e-003	7.4000e-004	2.0000e-005	7.6000e-004	0.0000	2.4782	2.4782	1.3000e-004	0.0000	2.4809

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1149	0.0000	0.1149	0.0590	0.0000	0.0590	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1134	1.3092	0.8599	1.0800e-003		0.0627	0.0627		0.0577	0.0577	0.0000	101.8424	101.8424	0.0307	0.0000	102.4875
Total	0.1134	1.3092	0.8599	1.0800e-003	0.1149	0.0627	0.1776	0.0590	0.0577	0.1167	0.0000	101.8424	101.8424	0.0307	0.0000	102.4875

3.4 Grading - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.2600e-003	1.5900e-003	0.0153	3.0000e-005	2.7900e-003	2.0000e-005	2.8100e-003	7.4000e-004	2.0000e-005	7.6000e-004	0.0000	2.4782	2.4782	1.3000e-004	0.0000	2.4809
Total	1.2600e-003	1.5900e-003	0.0153	3.0000e-005	2.7900e-003	2.0000e-005	2.8100e-003	7.4000e-004	2.0000e-005	7.6000e-004	0.0000	2.4782	2.4782	1.3000e-004	0.0000	2.4809

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7000e-003	0.0143	9.2500e-003	1.0000e-005		9.8000e-004	9.8000e-004		9.2000e-004	9.2000e-004	0.0000	1.2108	1.2108	3.0000e-004	0.0000	1.2171
Total	1.7000e-003	0.0143	9.2500e-003	1.0000e-005		9.8000e-004	9.8000e-004		9.2000e-004	9.2000e-004	0.0000	1.2108	1.2108	3.0000e-004	0.0000	1.2171

3.5 Building Construction - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7000e-004	2.3700e-003	3.1400e-003	1.0000e-005	1.5000e-004	4.0000e-005	1.9000e-004	4.0000e-005	4.0000e-005	8.0000e-005	0.0000	0.5095	0.5095	0.0000	0.0000	0.5096	
Worker	4.6000e-004	5.8000e-004	5.5900e-003	1.0000e-005	1.0200e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9028	0.9028	5.0000e-005	0.0000	0.9038	
Total	7.3000e-004	2.9500e-003	8.7300e-003	2.0000e-005	1.1700e-003	5.0000e-005	1.2100e-003	3.1000e-004	5.0000e-005	3.6000e-004	0.0000	1.4123	1.4123	5.0000e-005	0.0000	1.4134	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.7000e-003	0.0143	9.2500e-003	1.0000e-005		9.8000e-004	9.8000e-004		9.2000e-004	9.2000e-004	0.0000	1.2108	1.2108	3.0000e-004	0.0000	1.2171	
Total	1.7000e-003	0.0143	9.2500e-003	1.0000e-005		9.8000e-004	9.8000e-004		9.2000e-004	9.2000e-004	0.0000	1.2108	1.2108	3.0000e-004	0.0000	1.2171	

3.5 Building Construction - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7000e-004	2.3700e-003	3.1400e-003	1.0000e-005	1.5000e-004	4.0000e-005	1.9000e-004	4.0000e-005	4.0000e-005	8.0000e-005	0.0000	0.5095	0.5095	0.0000	0.0000	0.5096	
Worker	4.6000e-004	5.8000e-004	5.5900e-003	1.0000e-005	1.0200e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9028	0.9028	5.0000e-005	0.0000	0.9038	
Total	7.3000e-004	2.9500e-003	8.7300e-003	2.0000e-005	1.1700e-003	5.0000e-005	1.2100e-003	3.1000e-004	5.0000e-005	3.6000e-004	0.0000	1.4123	1.4123	5.0000e-005	0.0000	1.4134	

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	0.4033	3.4327	2.3568	3.4900e-003		0.2316	0.2316		0.2175	0.2175	0.0000	311.3228	311.3228	0.0766	0.0000	312.9319
Total	0.4033	3.4327	2.3568	3.4900e-003		0.2316	0.2316		0.2175	0.2175	0.0000	311.3228	311.3228	0.0766	0.0000	312.9319

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	0.0618	0.5432	0.7586	1.4500e-003	0.0398	9.0900e-003	0.0489	0.0114	8.3600e-003	0.0198	0.0000	130.2217	130.2217	1.0800e-003	0.0000	130.2444
Worker	0.1043	0.1331	1.2688	3.1600e-003	0.2641	1.9000e-003	0.2660	0.0702	1.7500e-003	0.0720	0.0000	225.3712	225.3712	0.0109	0.0000	225.6002
Total	0.1661	0.6763	2.0274	4.6100e-003	0.3038	0.0110	0.3148	0.0816	0.0101	0.0917	0.0000	355.5928	355.5928	0.0120	0.0000	355.8446

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4033	3.4327	2.3568	3.4900e-003		0.2316	0.2316		0.2175	0.2175	0.0000	311.3225	311.3225	0.0766	0.0000	312.9315
Total	0.4033	3.4327	2.3568	3.4900e-003		0.2316	0.2316		0.2175	0.2175	0.0000	311.3225	311.3225	0.0766	0.0000	312.9315

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	0.0618	0.5432	0.7586	1.4500e-003	0.0398	9.0900e-003	0.0489	0.0114	8.3600e-003	0.0198	0.0000	130.2217	130.2217	1.0800e-003	0.0000	130.2444
Worker	0.1043	0.1331	1.2688	3.1600e-003	0.2641	1.9000e-003	0.2660	0.0702	1.7500e-003	0.0720	0.0000	225.3712	225.3712	0.0109	0.0000	225.6002
Total	0.1661	0.6763	2.0274	4.6100e-003	0.3038	0.0110	0.3148	0.0816	0.0101	0.0917	0.0000	355.5928	355.5928	0.0120	0.0000	355.8446

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	0.1454	1.2677	0.9555	1.4600e-003		0.0814	0.0814		0.0766	0.0766	0.0000	129.0395	129.0395	0.0316	0.0000	129.7026
Total	0.1454	1.2677	0.9555	1.4600e-003		0.0814	0.0814		0.0766	0.0766	0.0000	129.0395	129.0395	0.0316	0.0000	129.7026

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	0.0239	0.2045	0.3043	6.1000e-004	0.0167	3.4900e-003	0.0202	4.7800e-003	3.2100e-003	7.9900e-003	0.0000	53.6446	53.6446	4.4000e-004	0.0000	53.6539	
Worker	0.0387	0.0498	0.4720	1.3200e-003	0.1107	7.7000e-004	0.1115	0.0294	7.1000e-004	0.0302	0.0000	90.6426	90.6426	4.1800e-003	0.0000	90.7304	
Total	0.0626	0.2544	0.7762	1.9300e-003	0.1274	4.2600e-003	0.1316	0.0342	3.9200e-003	0.0381	0.0000	144.2871	144.2871	4.6200e-003	0.0000	144.3843	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1454	1.2677	0.9555	1.4600e-003		0.0814	0.0814		0.0766	0.0766	0.0000	129.0393	129.0393	0.0316	0.0000	129.7025
Total	0.1454	1.2677	0.9555	1.4600e-003		0.0814	0.0814		0.0766	0.0766	0.0000	129.0393	129.0393	0.0316	0.0000	129.7025

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	0.0239	0.2045	0.3043	6.1000e-004	0.0167	3.4900e-003	0.0202	4.7800e-003	3.2100e-003	7.9900e-003	0.0000	53.6446	53.6446	4.4000e-004	0.0000	53.6539
Worker	0.0387	0.0498	0.4720	1.3200e-003	0.1107	7.7000e-004	0.1115	0.0294	7.1000e-004	0.0302	0.0000	90.6426	90.6426	4.1800e-003	0.0000	90.7304
Total	0.0626	0.2544	0.7762	1.9300e-003	0.1274	4.2600e-003	0.1316	0.0342	3.9200e-003	0.0381	0.0000	144.2871	144.2871	4.6200e-003	0.0000	144.3843

3.6 Paving - 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	0.0161	0.1716	0.1449	2.2000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019
Paving	2.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0187	0.1716	0.1449	2.2000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019

3.6 Paving - 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	4.2000e-004	5.4000e-004	5.0900e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9783	0.9783	5.0000e-005	0.0000	0.9793
Total	4.2000e-004	5.4000e-004	5.0900e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9783	0.9783	5.0000e-005	0.0000	0.9793

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0161	0.1716	0.1449	2.2000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019
Paving	2.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0187	0.1716	0.1449	2.2000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	20.3687	20.3687	6.3400e-003	0.0000	20.5019

3.6 Paving - 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	4.2000e-004	5.4000e-004	5.0900e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9783	0.9783	5.0000e-005	0.0000	0.9793
Total	4.2000e-004	5.4000e-004	5.0900e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9783	0.9783	5.0000e-005	0.0000	0.9793

3.7 Architectural Coating - 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					
Archit. Coating	3.3299					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0185	3.0000e-005		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	2.5533	2.5533	2.4000e-004	0.0000	2.5584
Total	3.3329	0.0201	0.0185	3.0000e-005		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	2.5533	2.5533	2.4000e-004	0.0000	2.5584

3.7 Architectural Coating - 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	1.4200e-003	1.8300e-003	0.0173	5.0000e-005	4.0600e-003	3.0000e-005	4.0900e-003	1.0800e-003	3.0000e-005	1.1100e-003	0.0000	3.3263	3.3263	1.5000e-004	0.0000	3.3296
Total	1.4200e-003	1.8300e-003	0.0173	5.0000e-005	4.0600e-003	3.0000e-005	4.0900e-003	1.0800e-003	3.0000e-005	1.1100e-003	0.0000	3.3263	3.3263	1.5000e-004	0.0000	3.3296

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.3299					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0185	3.0000e-005		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	2.5533	2.5533	2.4000e-004	0.0000	2.5584
Total	3.3329	0.0201	0.0185	3.0000e-005		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	2.5533	2.5533	2.4000e-004	0.0000	2.5584

3.7 Architectural Coating - 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	1.4200e-003	1.8300e-003	0.0173	5.0000e-005	4.0600e-003	3.0000e-005	4.0900e-003	1.0800e-003	3.0000e-005	1.1100e-003	0.0000	3.3263	3.3263	1.5000e-004	0.0000	3.3296
Total	1.4200e-003	1.8300e-003	0.0173	5.0000e-005	4.0600e-003	3.0000e-005	4.0900e-003	1.0800e-003	3.0000e-005	1.1100e-003	0.0000	3.3263	3.3263	1.5000e-004	0.0000	3.3296

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	2.0693	1.8774	11.3309	0.0239	2.1466	0.0244	2.1710	0.5730	0.0228	0.5958	0.0000	2,162.1278	2,162.1278	0.0835	0.0000	2,163.8817
Unmitigated	2.0693	1.8774	11.3309	0.0239	2.1466	0.0244	2.1710	0.5730	0.0228	0.5958	0.0000	2,162.1278	2,162.1278	0.0835	0.0000	2,163.8817

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	1,995.00	1,995.00	1,995.00	5,781,144	5,781,144
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	1,995.00	1,995.00	1,995.00	5,781,144	5,781,144

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	10.80	7.30	7.50	45.60	19.00	35.40	86	11	3
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Parking Lot	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
0.511000	0.225000	0.164000	0.064000	0.002000	0.001000	0.007000	0.005000	0.000000	0.001000	0.012000	0.001000	0.007000

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	197.8021	197.8021	0.0187	3.8700e-003	199.3929
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	197.8021	197.8021	0.0187	3.8700e-003	199.3929
NaturalGas Mitigated	0.0339	0.2903	0.1253	1.8500e-003		0.0235	0.0235		0.0235	0.0235	0.0000	335.8398	335.8398	6.4400e-003	6.1600e-003	337.8837
NaturalGas Unmitigated	0.0339	0.2903	0.1253	1.8500e-003		0.0235	0.0235		0.0235	0.0235	0.0000	335.8398	335.8398	6.4400e-003	6.1600e-003	337.8837

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					
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
Condo/Townhouse	6.20381e+006	0.0335	0.2859	0.1216	1.8200e-003		0.0231	0.0231		0.0231	0.0231	0.0000	331.0587	331.0587	6.3500e-003	6.0700e-003	333.0734
Health Club	89595	4.8000e-004	4.3900e-003	3.6900e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7811	4.7811	9.0000e-005	9.0000e-005	4.8102
Total		0.0339	0.2903	0.1253	1.8500e-003		0.0234	0.0234		0.0234	0.0234	0.0000	335.8398	335.8398	6.4400e-003	6.1600e-003	337.8837

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					
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
Condo/Townhouse	6.20381e+006	0.0335	0.2859	0.1216	1.8200e-003		0.0231	0.0231		0.0231	0.0231	0.0000	331.0587	331.0587	6.3500e-003	6.0700e-003	333.0734
Health Club	89595	4.8000e-004	4.3900e-003	3.6900e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7811	4.7811	9.0000e-005	9.0000e-005	4.8102
Total		0.0339	0.2903	0.1253	1.8500e-003		0.0234	0.0234		0.0234	0.0234	0.0000	335.8398	335.8398	6.4400e-003	6.1600e-003	337.8837

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	1.29572e+006	180.4333	0.0170	3.5300e-003	181.8844
Health Club	48345	6.7322	6.4000e-004	1.3000e-004	6.7863
Parking Lot	76384	10.6367	1.0000e-003	2.1000e-004	10.7222
Total		197.8021	0.0187	3.8700e-003	199.3929

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	1.29572e+006	180.4333	0.0170	3.5300e-003	181.8844
Health Club	48345	6.7322	6.4000e-004	1.3000e-004	6.7863
Parking Lot	76384	10.6367	1.0000e-003	2.1000e-004	10.7222
Total		197.8021	0.0187	3.8700e-003	199.3929

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	2.1145	0.0260	2.2406	1.2000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	3.6426	3.6426	3.5800e-003	0.0000	3.7178
Unmitigated	2.1145	0.0260	2.2406	1.2000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	3.6426	3.6426	3.5800e-003	0.0000	3.7178

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	0.3317					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7141					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0687	0.0260	2.2406	1.2000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	3.6426	3.6426	3.5800e-003	0.0000	3.7178
Total	2.1145	0.0260	2.2406	1.2000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	3.6426	3.6426	3.5800e-003	0.0000	3.7178

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	0.3317					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7141					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0687	0.0260	2.2406	1.2000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	3.6426	3.6426	3.5800e-003	0.0000	3.7178
Total	2.1145	0.0260	2.2406	1.2000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	3.6426	3.6426	3.5800e-003	0.0000	3.7178

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	27.3805	0.6494	0.0157	45.8773
Unmitigated	27.3805	0.6495	0.0157	45.8874

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	19.5462 / 12.3226	26.9350	0.6389	0.0154	45.1390
Health Club	0.325287 / 0.19937	0.4455	0.0106	2.6000e-004	0.7484
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		27.3805	0.6495	0.0157	45.8874

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	19.5462 / 12.3226	26.9350	0.6388	0.0154	45.1291
Health Club	0.325287 / 0.19937	0.4455	0.0106	2.6000e-004	0.7482
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		27.3805	0.6494	0.0157	45.8773

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	34.3765	2.0316	0.0000	77.0400
Unmitigated	34.3765	2.0316	0.0000	77.0400

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	138	28.0128	1.6555	0.0000	62.7784
Health Club	31.35	6.3638	0.3761	0.0000	14.2616
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		34.3765	2.0316	0.0000	77.0400

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	138	28.0128	1.6555	0.0000	62.7784
Health Club	31.35	6.3638	0.3761	0.0000	14.2616
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		34.3765	2.0316	0.0000	77.0400

9.0 Operational Offroad

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

10.0 Vegetation