

APPENDIX 5.5

Greenhouse Gas Calculations

**Montreaux generic single phase
Contra Costa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	89.00	Dwelling Unit	31.00	160,200.00	255

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.011

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Project will be developed in four identical phases. This model represents a single generic phase.

Land Use - 45 SFH, 17 acres disturbed

Construction Phase - Grading: 4/1/2015 - 9/30/2015

Construction: 10/1/2015 - 9/30/2016

Paving: 10/1/2015 - 12/30/2015

Coating: 6/1/2016 - 9/30/2016

Off-road Equipment - Load Factors reduced by 1/3 per CARB guidance.

Off-road Equipment - Load Factors reduced by 1/3 per CARB guidance.

Off-road Equipment -

Off-road Equipment - Load Factors reduced by 1/3 per CARB guidance.

Trips and VMT - Hauling trip distance reduced to 1 miles to approximate on-site balance of cut/fill.

On-road Fugitive Dust - Hauling trips during grading would be on unpaved roads on site.

Grading - Note: CalEEMod assumes all cut/fill is imported or exported - there is no option for balance on site. Off-site haul truck emissions from this activity will not be included.

17 acres disturbed

Vehicle Trips - Trip rate is 9.37 per traffic study.

Woodstoves - Assume no wood-burning fireplaces.

Energy Use - n/a

Construction Off-road Equipment Mitigation - Assume exposed areas are watered per BAAQMD requirements.

Mobile Land Use Mitigation -

Area Mitigation - No hearths.

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
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	250
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	250
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	150	250

tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	250
tblConstructionPhase	NumDays	35.00	88.00
tblConstructionPhase	NumDays	500.00	262.00
tblConstructionPhase	NumDays	45.00	131.00
tblConstructionPhase	NumDays	35.00	65.00
tblConstructionPhase	PhaseEndDate	5/2/2016	9/30/2016
tblConstructionPhase	PhaseEndDate	12/30/2016	12/30/2015
tblConstructionPhase	PhaseStartDate	12/31/2015	6/1/2016
tblConstructionPhase	PhaseStartDate	10/1/2016	10/1/2015
tblFireplaces	FireplaceDayYear	6.29	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	215.60	0.00
tblFireplaces	NumberGas	48.95	0.00
tblFireplaces	NumberWood	40.05	0.00
tblGrading	AcresOfGrading	327.50	31.00
tblGrading	MaterialExported	0.00	175,000.00
tblGrading	MaterialImported	0.00	175,000.00
tblLandUse	LotAcreage	28.90	31.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2018
tblTripsAndVMT	HaulingTripLength	20.00	1.00
tblVehicleEF	HHD	0.02	0.08
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	0.00	0.09
tblVehicleEF	HHD	2.96	9.21
tblVehicleEF	HHD	1.47	2.92
tblVehicleEF	HHD	70.48	23.92

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	4.42	23.77
tblVehicleEF	HHD	5.07	5.93
tblVehicleEF	HHD	4.70	2.88
tblVehicleEF	HHD	0.01	0.15
tblVehicleEF	HHD	0.06	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.08	0.21
tblVehicleEF	HHD	2.6230e-003	1.9000e-003
tblVehicleEF	HHD	0.01	0.14
tblVehicleEF	HHD	0.03	0.01
tblVehicleEF	HHD	8.7000e-003	8.9000e-003
tblVehicleEF	HHD	0.07	0.19
tblVehicleEF	HHD	2.2180e-003	1.8000e-003
tblVehicleEF	HHD	2.0600e-003	8.0000e-004
tblVehicleEF	HHD	0.13	0.02
tblVehicleEF	HHD	0.53	1.85
tblVehicleEF	HHD	1.3140e-003	3.0000e-004
tblVehicleEF	HHD	0.25	0.53
tblVehicleEF	HHD	0.62	0.02
tblVehicleEF	HHD	2.76	1.61
tblVehicleEF	HHD	5.6010e-003	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.7820e-003	6.0000e-004
tblVehicleEF	HHD	2.0600e-003	8.0000e-004
tblVehicleEF	HHD	0.13	0.02
tblVehicleEF	HHD	0.60	2.10
tblVehicleEF	HHD	1.3140e-003	3.0000e-004

tblVehicleEF	HHD	0.28	0.61
tblVehicleEF	HHD	0.62	0.02
tblVehicleEF	HHD	2.95	1.72
tblVehicleEF	HHD	0.02	0.07
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	0.00	0.07
tblVehicleEF	HHD	2.15	6.35
tblVehicleEF	HHD	1.48	2.95
tblVehicleEF	HHD	49.14	16.51
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	4.56	24.79
tblVehicleEF	HHD	4.88	5.99
tblVehicleEF	HHD	4.37	2.68
tblVehicleEF	HHD	9.2330e-003	0.12
tblVehicleEF	HHD	0.06	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.08	0.21
tblVehicleEF	HHD	2.6230e-003	1.9000e-003
tblVehicleEF	HHD	8.4950e-003	0.11
tblVehicleEF	HHD	0.03	0.01
tblVehicleEF	HHD	8.7000e-003	8.9000e-003
tblVehicleEF	HHD	0.07	0.19
tblVehicleEF	HHD	2.2180e-003	1.8000e-003
tblVehicleEF	HHD	5.8710e-003	2.4000e-003
tblVehicleEF	HHD	0.15	0.02
tblVehicleEF	HHD	0.50	1.71
tblVehicleEF	HHD	3.6530e-003	8.0000e-004
tblVehicleEF	HHD	0.25	0.54

tblVehicleEF	HHD	0.62	0.02
tblVehicleEF	HHD	2.14	1.28
tblVehicleEF	HHD	5.9340e-003	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.4270e-003	4.0000e-004
tblVehicleEF	HHD	5.8710e-003	2.4000e-003
tblVehicleEF	HHD	0.15	0.02
tblVehicleEF	HHD	0.57	1.95
tblVehicleEF	HHD	3.6530e-003	8.0000e-004
tblVehicleEF	HHD	0.28	0.61
tblVehicleEF	HHD	0.62	0.02
tblVehicleEF	HHD	2.29	1.37
tblVehicleEF	HHD	0.03	0.09
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	0.00	0.10
tblVehicleEF	HHD	4.08	12.07
tblVehicleEF	HHD	1.46	2.91
tblVehicleEF	HHD	92.37	28.23
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	4.22	22.76
tblVehicleEF	HHD	5.15	6.10
tblVehicleEF	HHD	4.99	2.99
tblVehicleEF	HHD	0.01	0.18
tblVehicleEF	HHD	0.06	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.08	0.21
tblVehicleEF	HHD	2.6230e-003	1.9000e-003
tblVehicleEF	HHD	0.01	0.16

tblVehicleEF	HHD	0.03	0.01
tblVehicleEF	HHD	8.7000e-003	8.9000e-003
tblVehicleEF	HHD	0.07	0.19
tblVehicleEF	HHD	2.2180e-003	1.8000e-003
tblVehicleEF	HHD	6.1000e-004	6.0000e-004
tblVehicleEF	HHD	0.15	0.02
tblVehicleEF	HHD	0.57	1.98
tblVehicleEF	HHD	4.5300e-004	2.0000e-004
tblVehicleEF	HHD	0.25	0.53
tblVehicleEF	HHD	0.68	0.02
tblVehicleEF	HHD	3.38	1.81
tblVehicleEF	HHD	5.1410e-003	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	2.1450e-003	6.0000e-004
tblVehicleEF	HHD	6.1000e-004	6.0000e-004
tblVehicleEF	HHD	0.15	0.02
tblVehicleEF	HHD	0.65	2.25
tblVehicleEF	HHD	4.5300e-004	2.0000e-004
tblVehicleEF	HHD	0.28	0.60
tblVehicleEF	HHD	0.68	0.02
tblVehicleEF	HHD	3.61	1.93
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	8.0380e-003	0.01
tblVehicleEF	LDA	0.87	1.09
tblVehicleEF	LDA	2.01	2.71
tblVehicleEF	LDA	0.53	0.52
tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.12	0.16

tblVehicleEF	LDA	0.04	0.01
tblVehicleEF	LDA	1.7490e-003	0.01
tblVehicleEF	LDA	3.1440e-003	6.0000e-003
tblVehicleEF	LDA	0.02	5.4000e-003
tblVehicleEF	LDA	1.6160e-003	0.01
tblVehicleEF	LDA	2.9080e-003	5.6000e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.06
tblVehicleEF	LDA	0.14	0.20
tblVehicleEF	LDA	3.3980e-003	3.7000e-003
tblVehicleEF	LDA	7.6900e-004	7.0000e-004
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.25	0.06
tblVehicleEF	LDA	0.15	0.21
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	8.0380e-003	8.6000e-003
tblVehicleEF	LDA	1.05	1.31
tblVehicleEF	LDA	1.32	1.79
tblVehicleEF	LDA	0.53	0.52
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.11	0.14
tblVehicleEF	LDA	0.04	0.01

tblVehicleEF	LDA	1.7490e-003	0.01
tblVehicleEF	LDA	3.1440e-003	6.0000e-003
tblVehicleEF	LDA	0.02	5.4000e-003
tblVehicleEF	LDA	1.6160e-003	0.01
tblVehicleEF	LDA	2.9080e-003	5.6000e-003
tblVehicleEF	LDA	0.10	0.17
tblVehicleEF	LDA	0.13	0.17
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.24	0.06
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	3.7200e-003	4.1000e-003
tblVehicleEF	LDA	7.5700e-004	7.0000e-004
tblVehicleEF	LDA	0.10	0.17
tblVehicleEF	LDA	0.13	0.17
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.24	0.06
tblVehicleEF	LDA	0.11	0.16
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	8.0380e-003	0.01
tblVehicleEF	LDA	0.86	1.06
tblVehicleEF	LDA	2.54	3.13
tblVehicleEF	LDA	0.53	0.52
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.13	0.17
tblVehicleEF	LDA	0.04	0.01
tblVehicleEF	LDA	1.7490e-003	0.01

tblVehicleEF	LDA	3.1440e-003	6.0000e-003
tblVehicleEF	LDA	0.02	5.4000e-003
tblVehicleEF	LDA	1.6160e-003	0.01
tblVehicleEF	LDA	2.9080e-003	5.6000e-003
tblVehicleEF	LDA	0.01	0.04
tblVehicleEF	LDA	0.12	0.16
tblVehicleEF	LDA	0.01	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.30	0.07
tblVehicleEF	LDA	0.17	0.22
tblVehicleEF	LDA	3.3540e-003	3.6000e-003
tblVehicleEF	LDA	7.7800e-004	7.0000e-004
tblVehicleEF	LDA	0.01	0.04
tblVehicleEF	LDA	0.12	0.16
tblVehicleEF	LDA	0.01	0.03
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.30	0.07
tblVehicleEF	LDA	0.18	0.24
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	2.29	2.02
tblVehicleEF	LDT1	5.10	4.27
tblVehicleEF	LDT1	0.07	0.14
tblVehicleEF	LDT1	0.26	0.21
tblVehicleEF	LDT1	0.27	0.22
tblVehicleEF	LDT1	0.04	0.01
tblVehicleEF	LDT1	3.5870e-003	0.01
tblVehicleEF	LDT1	4.8540e-003	7.2000e-003

tblVehicleEF	LDT1	0.02	5.4000e-003
tblVehicleEF	LDT1	3.3150e-003	0.01
tblVehicleEF	LDT1	4.4910e-003	6.7000e-003
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.27	0.20
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.95	0.16
tblVehicleEF	LDT1	0.38	0.30
tblVehicleEF	LDT1	3.9440e-003	4.6000e-003
tblVehicleEF	LDT1	9.3400e-004	9.0000e-004
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.27	0.20
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.95	0.16
tblVehicleEF	LDT1	0.40	0.32
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	2.69	2.36
tblVehicleEF	LDT1	3.38	2.83
tblVehicleEF	LDT1	0.07	0.14
tblVehicleEF	LDT1	0.23	0.20
tblVehicleEF	LDT1	0.24	0.19
tblVehicleEF	LDT1	0.04	0.01
tblVehicleEF	LDT1	3.5870e-003	0.01
tblVehicleEF	LDT1	4.8540e-003	7.2000e-003
tblVehicleEF	LDT1	0.02	5.4000e-003

tblVehicleEF	LDT1	3.3150e-003	0.01
tblVehicleEF	LDT1	4.4910e-003	6.7000e-003
tblVehicleEF	LDT1	0.31	0.29
tblVehicleEF	LDT1	0.33	0.25
tblVehicleEF	LDT1	0.24	0.18
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.89	0.15
tblVehicleEF	LDT1	0.28	0.22
tblVehicleEF	LDT1	4.2940e-003	5.1000e-003
tblVehicleEF	LDT1	9.0400e-004	9.0000e-004
tblVehicleEF	LDT1	0.31	0.29
tblVehicleEF	LDT1	0.33	0.25
tblVehicleEF	LDT1	0.24	0.18
tblVehicleEF	LDT1	0.09	0.08
tblVehicleEF	LDT1	0.89	0.15
tblVehicleEF	LDT1	0.30	0.24
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	2.29	1.98
tblVehicleEF	LDT1	6.44	4.94
tblVehicleEF	LDT1	0.07	0.14
tblVehicleEF	LDT1	0.28	0.23
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.04	0.01
tblVehicleEF	LDT1	3.5870e-003	0.01
tblVehicleEF	LDT1	4.8540e-003	7.2000e-003
tblVehicleEF	LDT1	0.02	5.4000e-003
tblVehicleEF	LDT1	3.3150e-003	0.01

tblVehicleEF	LDT1	4.4910e-003	6.7000e-003
tblVehicleEF	LDT1	0.03	0.07
tblVehicleEF	LDT1	0.28	0.23
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	1.18	0.20
tblVehicleEF	LDT1	0.45	0.33
tblVehicleEF	LDT1	3.8960e-003	4.5000e-003
tblVehicleEF	LDT1	9.5700e-004	9.0000e-004
tblVehicleEF	LDT1	0.03	0.07
tblVehicleEF	LDT1	0.28	0.23
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	1.18	0.20
tblVehicleEF	LDT1	0.48	0.35
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	1.23	1.85
tblVehicleEF	LDT2	2.94	4.29
tblVehicleEF	LDT2	0.18	0.20
tblVehicleEF	LDT2	0.15	0.23
tblVehicleEF	LDT2	0.25	0.36
tblVehicleEF	LDT2	0.04	0.01
tblVehicleEF	LDT2	1.6990e-003	0.03
tblVehicleEF	LDT2	3.0640e-003	0.01
tblVehicleEF	LDT2	0.02	5.4000e-003
tblVehicleEF	LDT2	1.5700e-003	0.02
tblVehicleEF	LDT2	2.8360e-003	0.01

tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.14	0.17
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.47	0.13
tblVehicleEF	LDT2	0.20	0.30
tblVehicleEF	LDT2	4.6290e-003	4.7000e-003
tblVehicleEF	LDT2	1.0530e-003	9.0000e-004
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.14	0.17
tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.47	0.13
tblVehicleEF	LDT2	0.22	0.32
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	1.47	2.20
tblVehicleEF	LDT2	1.94	2.84
tblVehicleEF	LDT2	0.18	0.20
tblVehicleEF	LDT2	0.14	0.22
tblVehicleEF	LDT2	0.22	0.32
tblVehicleEF	LDT2	0.04	0.01
tblVehicleEF	LDT2	1.6990e-003	0.03
tblVehicleEF	LDT2	3.0640e-003	0.01
tblVehicleEF	LDT2	0.02	5.4000e-003
tblVehicleEF	LDT2	1.5700e-003	0.02
tblVehicleEF	LDT2	2.8360e-003	0.01
tblVehicleEF	LDT2	0.13	0.21

tblVehicleEF	LDT2	0.17	0.21
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.44	0.12
tblVehicleEF	LDT2	0.15	0.22
tblVehicleEF	LDT2	5.0540e-003	5.2000e-003
tblVehicleEF	LDT2	1.0360e-003	9.0000e-004
tblVehicleEF	LDT2	0.13	0.21
tblVehicleEF	LDT2	0.17	0.21
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.44	0.12
tblVehicleEF	LDT2	0.16	0.24
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	1.21	1.80
tblVehicleEF	LDT2	3.71	4.96
tblVehicleEF	LDT2	0.18	0.20
tblVehicleEF	LDT2	0.17	0.25
tblVehicleEF	LDT2	0.27	0.38
tblVehicleEF	LDT2	0.04	0.01
tblVehicleEF	LDT2	1.6990e-003	0.03
tblVehicleEF	LDT2	3.0640e-003	0.01
tblVehicleEF	LDT2	0.02	5.4000e-003
tblVehicleEF	LDT2	1.5700e-003	0.02
tblVehicleEF	LDT2	2.8360e-003	0.01
tblVehicleEF	LDT2	0.02	0.05
tblVehicleEF	LDT2	0.15	0.19

tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.57	0.16
tblVehicleEF	LDT2	0.24	0.33
tblVehicleEF	LDT2	4.5710e-003	4.6000e-003
tblVehicleEF	LDT2	1.0670e-003	9.0000e-004
tblVehicleEF	LDT2	0.02	0.05
tblVehicleEF	LDT2	0.15	0.19
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.57	0.16
tblVehicleEF	LDT2	0.26	0.36
tblVehicleEF	LHD1	1.1980e-003	1.4000e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.18	0.20
tblVehicleEF	LHD1	1.75	0.88
tblVehicleEF	LHD1	4.68	2.96
tblVehicleEF	LHD1	0.04	0.01
tblVehicleEF	LHD1	0.06	0.02
tblVehicleEF	LHD1	1.41	0.75
tblVehicleEF	LHD1	1.30	1.26
tblVehicleEF	LHD1	6.7200e-004	2.0000e-004
tblVehicleEF	LHD1	0.05	0.01
tblVehicleEF	LHD1	9.3080e-003	0.01
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0190e-003	1.6000e-003
tblVehicleEF	LHD1	6.1800e-004	2.0000e-004

tblVehicleEF	LHD1	0.02	5.4000e-003
tblVehicleEF	LHD1	2.3270e-003	3.0000e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	9.4200e-004	1.5000e-003
tblVehicleEF	LHD1	2.0600e-003	9.0000e-004
tblVehicleEF	LHD1	0.07	0.02
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.1650e-003	3.0000e-004
tblVehicleEF	LHD1	0.17	0.08
tblVehicleEF	LHD1	0.46	0.22
tblVehicleEF	LHD1	0.41	0.22
tblVehicleEF	LHD1	9.0000e-005	1.0000e-004
tblVehicleEF	LHD1	8.1870e-003	8.3000e-003
tblVehicleEF	LHD1	4.9800e-004	4.0000e-004
tblVehicleEF	LHD1	2.0600e-003	9.0000e-004
tblVehicleEF	LHD1	0.07	0.02
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.1650e-003	3.0000e-004
tblVehicleEF	LHD1	0.20	0.10
tblVehicleEF	LHD1	0.46	0.22
tblVehicleEF	LHD1	0.44	0.24
tblVehicleEF	LHD1	1.1980e-003	1.4000e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.18	0.20
tblVehicleEF	LHD1	1.80	0.91
tblVehicleEF	LHD1	3.18	1.95
tblVehicleEF	LHD1	0.04	0.01

tblVehicleEF	LHD1	0.06	0.02
tblVehicleEF	LHD1	1.33	0.75
tblVehicleEF	LHD1	1.21	1.17
tblVehicleEF	LHD1	6.7200e-004	2.0000e-004
tblVehicleEF	LHD1	0.05	0.01
tblVehicleEF	LHD1	9.3080e-003	0.01
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0190e-003	1.6000e-003
tblVehicleEF	LHD1	6.1800e-004	2.0000e-004
tblVehicleEF	LHD1	0.02	5.4000e-003
tblVehicleEF	LHD1	2.3270e-003	3.0000e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	9.4200e-004	1.5000e-003
tblVehicleEF	LHD1	5.4570e-003	2.3000e-003
tblVehicleEF	LHD1	0.09	0.02
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.8930e-003	6.0000e-004
tblVehicleEF	LHD1	0.17	0.09
tblVehicleEF	LHD1	0.45	0.21
tblVehicleEF	LHD1	0.33	0.18
tblVehicleEF	LHD1	9.0000e-005	1.0000e-004
tblVehicleEF	LHD1	8.1880e-003	8.3000e-003
tblVehicleEF	LHD1	4.7200e-004	4.0000e-004
tblVehicleEF	LHD1	5.4570e-003	2.3000e-003
tblVehicleEF	LHD1	0.09	0.02
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.8930e-003	6.0000e-004
tblVehicleEF	LHD1	0.20	0.10

tblVehicleEF	LHD1	0.45	0.21
tblVehicleEF	LHD1	0.35	0.19
tblVehicleEF	LHD1	1.1980e-003	1.4000e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.18	0.20
tblVehicleEF	LHD1	1.71	0.88
tblVehicleEF	LHD1	6.17	3.50
tblVehicleEF	LHD1	0.04	0.01
tblVehicleEF	LHD1	0.06	0.02
tblVehicleEF	LHD1	1.44	0.77
tblVehicleEF	LHD1	1.38	1.31
tblVehicleEF	LHD1	6.7200e-004	2.0000e-004
tblVehicleEF	LHD1	0.05	0.01
tblVehicleEF	LHD1	9.3080e-003	0.01
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	1.0190e-003	1.6000e-003
tblVehicleEF	LHD1	6.1800e-004	2.0000e-004
tblVehicleEF	LHD1	0.02	5.4000e-003
tblVehicleEF	LHD1	2.3270e-003	3.0000e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	9.4200e-004	1.5000e-003
tblVehicleEF	LHD1	6.4000e-004	7.0000e-004
tblVehicleEF	LHD1	0.08	0.02
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	4.7400e-004	2.0000e-004
tblVehicleEF	LHD1	0.16	0.08
tblVehicleEF	LHD1	0.51	0.24

tblVehicleEF	LHD1	0.49	0.25
tblVehicleEF	LHD1	9.0000e-005	1.0000e-004
tblVehicleEF	LHD1	8.1860e-003	8.3000e-003
tblVehicleEF	LHD1	5.2400e-004	4.0000e-004
tblVehicleEF	LHD1	6.4000e-004	7.0000e-004
tblVehicleEF	LHD1	0.08	0.02
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	4.7400e-004	2.0000e-004
tblVehicleEF	LHD1	0.19	0.10
tblVehicleEF	LHD1	0.51	0.24
tblVehicleEF	LHD1	0.52	0.27
tblVehicleEF	LHD2	8.6000e-004	1.3000e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.18
tblVehicleEF	LHD2	1.19	1.42
tblVehicleEF	LHD2	2.31	3.64
tblVehicleEF	LHD2	4.8410e-003	6.1940e-003
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	2.12	1.45
tblVehicleEF	LHD2	0.69	1.14
tblVehicleEF	LHD2	1.3460e-003	6.0000e-004
tblVehicleEF	LHD2	0.07	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	4.9500e-004	1.7000e-003
tblVehicleEF	LHD2	1.2380e-003	5.0000e-004
tblVehicleEF	LHD2	0.03	5.4000e-003

tblVehicleEF	LHD2	2.6330e-003	3.0000e-003
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	4.5300e-004	1.6000e-003
tblVehicleEF	LHD2	1.0040e-003	1.4000e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.8000e-004	4.0000e-004
tblVehicleEF	LHD2	0.15	0.15
tblVehicleEF	LHD2	0.24	0.43
tblVehicleEF	LHD2	0.21	0.29
tblVehicleEF	LHD2	9.7000e-005	1.0000e-004
tblVehicleEF	LHD2	6.7270e-003	7.4000e-003
tblVehicleEF	LHD2	2.8000e-004	4.0000e-004
tblVehicleEF	LHD2	1.0040e-003	1.4000e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	5.8000e-004	4.0000e-004
tblVehicleEF	LHD2	0.18	0.18
tblVehicleEF	LHD2	0.24	0.43
tblVehicleEF	LHD2	0.22	0.31
tblVehicleEF	LHD2	8.6000e-004	1.3000e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.18
tblVehicleEF	LHD2	1.21	1.45
tblVehicleEF	LHD2	1.59	2.41
tblVehicleEF	LHD2	4.8410e-003	6.1940e-003
tblVehicleEF	LHD2	0.12	0.05

tblVehicleEF	LHD2	2.04	1.46
tblVehicleEF	LHD2	0.64	1.06
tblVehicleEF	LHD2	1.3460e-003	6.0000e-004
tblVehicleEF	LHD2	0.07	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	4.9500e-004	1.7000e-003
tblVehicleEF	LHD2	1.2380e-003	5.0000e-004
tblVehicleEF	LHD2	0.03	5.4000e-003
tblVehicleEF	LHD2	2.6330e-003	3.0000e-003
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	4.5300e-004	1.6000e-003
tblVehicleEF	LHD2	2.6470e-003	3.9000e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4350e-003	9.0000e-004
tblVehicleEF	LHD2	0.15	0.15
tblVehicleEF	LHD2	0.24	0.41
tblVehicleEF	LHD2	0.17	0.23
tblVehicleEF	LHD2	9.7000e-005	1.0000e-004
tblVehicleEF	LHD2	6.7270e-003	7.4000e-003
tblVehicleEF	LHD2	2.6700e-004	4.0000e-004
tblVehicleEF	LHD2	2.6470e-003	3.9000e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.4350e-003	9.0000e-004
tblVehicleEF	LHD2	0.18	0.18
tblVehicleEF	LHD2	0.24	0.41

tblVehicleEF	LHD2	0.18	0.25
tblVehicleEF	LHD2	8.6000e-004	1.3000e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.18
tblVehicleEF	LHD2	1.18	1.41
tblVehicleEF	LHD2	3.02	4.29
tblVehicleEF	LHD2	4.8410e-003	6.1940e-003
tblVehicleEF	LHD2	0.12	0.05
tblVehicleEF	LHD2	2.16	1.50
tblVehicleEF	LHD2	0.73	1.19
tblVehicleEF	LHD2	1.3460e-003	6.0000e-004
tblVehicleEF	LHD2	0.07	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	4.9500e-004	1.7000e-003
tblVehicleEF	LHD2	1.2380e-003	5.0000e-004
tblVehicleEF	LHD2	0.03	5.4000e-003
tblVehicleEF	LHD2	2.6330e-003	3.0000e-003
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	4.5300e-004	1.6000e-003
tblVehicleEF	LHD2	3.2500e-004	1.1000e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.4300e-004	2.0000e-004
tblVehicleEF	LHD2	0.15	0.15
tblVehicleEF	LHD2	0.27	0.48
tblVehicleEF	LHD2	0.24	0.33

tblVehicleEF	LHD2	9.7000e-005	1.0000e-004
tblVehicleEF	LHD2	6.7270e-003	7.4000e-003
tblVehicleEF	LHD2	2.9200e-004	4.0000e-004
tblVehicleEF	LHD2	3.2500e-004	1.1000e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	2.4300e-004	2.0000e-004
tblVehicleEF	LHD2	0.18	0.17
tblVehicleEF	LHD2	0.27	0.48
tblVehicleEF	LHD2	0.26	0.35
tblVehicleEF	MCY	0.00	0.22
tblVehicleEF	MCY	0.00	0.14
tblVehicleEF	MCY	27.22	28.62
tblVehicleEF	MCY	10.89	10.94
tblVehicleEF	MCY	6.4150e-003	8.8240e-003
tblVehicleEF	MCY	1.25	1.20
tblVehicleEF	MCY	0.32	0.31
tblVehicleEF	MCY	0.04	6.3000e-003
tblVehicleEF	MCY	8.0000e-003	4.0000e-003
tblVehicleEF	MCY	4.6300e-004	0.02
tblVehicleEF	MCY	1.3210e-003	0.01
tblVehicleEF	MCY	0.02	2.7000e-003
tblVehicleEF	MCY	2.0000e-003	1.0000e-003
tblVehicleEF	MCY	3.8100e-004	0.01
tblVehicleEF	MCY	1.0710e-003	8.2000e-003
tblVehicleEF	MCY	0.66	0.72
tblVehicleEF	MCY	0.40	0.32
tblVehicleEF	MCY	0.39	0.34

tblVehicleEF	MCY	2.77	2.99
tblVehicleEF	MCY	1.43	0.33
tblVehicleEF	MCY	2.28	2.26
tblVehicleEF	MCY	2.1340e-003	2.2000e-003
tblVehicleEF	MCY	6.8100e-004	7.0000e-004
tblVehicleEF	MCY	0.66	0.72
tblVehicleEF	MCY	0.40	0.32
tblVehicleEF	MCY	0.39	0.34
tblVehicleEF	MCY	3.02	3.26
tblVehicleEF	MCY	1.43	0.33
tblVehicleEF	MCY	2.45	2.43
tblVehicleEF	MCY	0.00	0.22
tblVehicleEF	MCY	0.00	0.11
tblVehicleEF	MCY	25.98	27.47
tblVehicleEF	MCY	8.77	8.78
tblVehicleEF	MCY	6.4150e-003	8.8240e-003
tblVehicleEF	MCY	1.09	1.14
tblVehicleEF	MCY	0.29	0.28
tblVehicleEF	MCY	0.04	6.3000e-003
tblVehicleEF	MCY	8.0000e-003	4.0000e-003
tblVehicleEF	MCY	4.6300e-004	0.02
tblVehicleEF	MCY	1.3210e-003	0.01
tblVehicleEF	MCY	0.02	2.7000e-003
tblVehicleEF	MCY	2.0000e-003	1.0000e-003
tblVehicleEF	MCY	3.8100e-004	0.01
tblVehicleEF	MCY	1.0710e-003	8.2000e-003
tblVehicleEF	MCY	2.03	2.29
tblVehicleEF	MCY	0.63	0.51

tblVehicleEF	MCY	1.36	1.23
tblVehicleEF	MCY	2.65	2.87
tblVehicleEF	MCY	1.34	0.31
tblVehicleEF	MCY	1.82	1.81
tblVehicleEF	MCY	2.1110e-003	2.2000e-003
tblVehicleEF	MCY	6.3300e-004	6.0000e-004
tblVehicleEF	MCY	2.03	2.29
tblVehicleEF	MCY	0.63	0.51
tblVehicleEF	MCY	1.36	1.23
tblVehicleEF	MCY	2.90	3.13
tblVehicleEF	MCY	1.34	0.31
tblVehicleEF	MCY	1.95	1.94
tblVehicleEF	MCY	0.00	0.22
tblVehicleEF	MCY	0.00	0.15
tblVehicleEF	MCY	30.01	30.24
tblVehicleEF	MCY	13.15	12.13
tblVehicleEF	MCY	6.4150e-003	8.8240e-003
tblVehicleEF	MCY	1.34	1.29
tblVehicleEF	MCY	0.34	0.32
tblVehicleEF	MCY	0.04	6.3000e-003
tblVehicleEF	MCY	8.0000e-003	4.0000e-003
tblVehicleEF	MCY	4.6300e-004	0.02
tblVehicleEF	MCY	1.3210e-003	0.01
tblVehicleEF	MCY	0.02	2.7000e-003
tblVehicleEF	MCY	2.0000e-003	1.0000e-003
tblVehicleEF	MCY	3.8100e-004	0.01
tblVehicleEF	MCY	1.0710e-003	8.2000e-003
tblVehicleEF	MCY	0.10	0.51

tblVehicleEF	MCY	0.45	0.41
tblVehicleEF	MCY	0.09	0.15
tblVehicleEF	MCY	2.91	3.07
tblVehicleEF	MCY	1.77	0.41
tblVehicleEF	MCY	2.74	2.51
tblVehicleEF	MCY	2.1820e-003	2.2000e-003
tblVehicleEF	MCY	7.3100e-004	7.0000e-004
tblVehicleEF	MCY	0.10	0.51
tblVehicleEF	MCY	0.45	0.41
tblVehicleEF	MCY	0.09	0.15
tblVehicleEF	MCY	3.17	3.34
tblVehicleEF	MCY	1.77	0.41
tblVehicleEF	MCY	2.94	2.69
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	2.03	1.98
tblVehicleEF	MDV	5.51	4.98
tblVehicleEF	MDV	0.14	0.08
tblVehicleEF	MDV	0.29	0.25
tblVehicleEF	MDV	0.49	0.45
tblVehicleEF	MDV	0.04	0.01
tblVehicleEF	MDV	2.0400e-003	0.03
tblVehicleEF	MDV	3.5070e-003	0.01
tblVehicleEF	MDV	0.02	5.4000e-003
tblVehicleEF	MDV	1.8840e-003	0.02
tblVehicleEF	MDV	3.2440e-003	0.01
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.21	0.15

tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.66	0.11
tblVehicleEF	MDV	0.45	0.40
tblVehicleEF	MDV	5.8980e-003	6.4000e-003
tblVehicleEF	MDV	1.3650e-003	1.3000e-003
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.21	0.15
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.66	0.11
tblVehicleEF	MDV	0.48	0.42
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.03	0.01
tblVehicleEF	MDV	2.42	2.36
tblVehicleEF	MDV	3.65	3.30
tblVehicleEF	MDV	0.14	0.08
tblVehicleEF	MDV	0.26	0.25
tblVehicleEF	MDV	0.43	0.40
tblVehicleEF	MDV	0.04	0.01
tblVehicleEF	MDV	2.0400e-003	0.03
tblVehicleEF	MDV	3.5070e-003	0.01
tblVehicleEF	MDV	0.02	5.4000e-003
tblVehicleEF	MDV	1.8840e-003	0.02
tblVehicleEF	MDV	3.2440e-003	0.01
tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.24	0.18
tblVehicleEF	MDV	0.16	0.13

tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.62	0.10
tblVehicleEF	MDV	0.34	0.30
tblVehicleEF	MDV	6.4340e-003	7.1000e-003
tblVehicleEF	MDV	1.3320e-003	1.2000e-003
tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.24	0.18
tblVehicleEF	MDV	0.16	0.13
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.62	0.10
tblVehicleEF	MDV	0.36	0.32
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	2.02	1.93
tblVehicleEF	MDV	6.95	5.76
tblVehicleEF	MDV	0.14	0.08
tblVehicleEF	MDV	0.32	0.28
tblVehicleEF	MDV	0.54	0.47
tblVehicleEF	MDV	0.04	0.01
tblVehicleEF	MDV	2.0400e-003	0.03
tblVehicleEF	MDV	3.5070e-003	0.01
tblVehicleEF	MDV	0.02	5.4000e-003
tblVehicleEF	MDV	1.8840e-003	0.02
tblVehicleEF	MDV	3.2440e-003	0.01
tblVehicleEF	MDV	0.02	0.04
tblVehicleEF	MDV	0.21	0.16
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.05	0.05

tblVehicleEF	MDV	0.80	0.13
tblVehicleEF	MDV	0.55	0.44
tblVehicleEF	MDV	5.8250e-003	6.3000e-003
tblVehicleEF	MDV	1.3900e-003	1.3000e-003
tblVehicleEF	MDV	0.02	0.04
tblVehicleEF	MDV	0.21	0.16
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.08	0.07
tblVehicleEF	MDV	0.80	0.13
tblVehicleEF	MDV	0.58	0.47
tblVehicleEF	MH	0.00	0.02
tblVehicleEF	MH	0.00	0.02
tblVehicleEF	MH	2.72	3.27
tblVehicleEF	MH	8.34	9.27
tblVehicleEF	MH	2.0520e-003	2.6920e-003
tblVehicleEF	MH	1.73	1.28
tblVehicleEF	MH	0.81	0.88
tblVehicleEF	MH	0.05	0.01
tblVehicleEF	MH	8.6450e-003	0.01
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	9.3700e-004	7.0000e-004
tblVehicleEF	MH	0.02	5.4000e-003
tblVehicleEF	MH	2.1610e-003	3.0000e-003
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	8.4500e-004	6.0000e-004
tblVehicleEF	MH	0.83	0.90
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.31	0.30

tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	1.90	0.02
tblVehicleEF	MH	0.46	0.49
tblVehicleEF	MH	7.5590e-003	7.5000e-003
tblVehicleEF	MH	4.5300e-004	5.0000e-004
tblVehicleEF	MH	0.83	0.90
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.31	0.30
tblVehicleEF	MH	0.16	0.16
tblVehicleEF	MH	1.90	0.02
tblVehicleEF	MH	0.49	0.53
tblVehicleEF	MH	0.00	0.02
tblVehicleEF	MH	0.00	0.02
tblVehicleEF	MH	2.81	3.40
tblVehicleEF	MH	5.55	6.10
tblVehicleEF	MH	2.0520e-003	2.6920e-003
tblVehicleEF	MH	1.62	1.26
tblVehicleEF	MH	0.76	0.82
tblVehicleEF	MH	0.05	0.01
tblVehicleEF	MH	8.6450e-003	0.01
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	9.3700e-004	7.0000e-004
tblVehicleEF	MH	0.02	5.4000e-003
tblVehicleEF	MH	2.1610e-003	3.0000e-003
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	8.4500e-004	6.0000e-004
tblVehicleEF	MH	2.17	2.51
tblVehicleEF	MH	0.09	0.07

tblVehicleEF	MH	0.78	0.60
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	1.86	0.02
tblVehicleEF	MH	0.35	0.37
tblVehicleEF	MH	7.5600e-003	7.5000e-003
tblVehicleEF	MH	4.0600e-004	4.0000e-004
tblVehicleEF	MH	2.17	2.51
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.78	0.60
tblVehicleEF	MH	0.16	0.16
tblVehicleEF	MH	1.86	0.02
tblVehicleEF	MH	0.38	0.40
tblVehicleEF	MH	0.00	0.02
tblVehicleEF	MH	0.00	0.03
tblVehicleEF	MH	2.68	3.22
tblVehicleEF	MH	11.18	11.10
tblVehicleEF	MH	2.0520e-003	2.6920e-003
tblVehicleEF	MH	1.80	1.35
tblVehicleEF	MH	0.87	0.91
tblVehicleEF	MH	0.05	0.01
tblVehicleEF	MH	8.6450e-003	0.01
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	9.3700e-004	7.0000e-004
tblVehicleEF	MH	0.02	5.4000e-003
tblVehicleEF	MH	2.1610e-003	3.0000e-003
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	8.4500e-004	6.0000e-004
tblVehicleEF	MH	0.24	0.69

tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.13	0.16
tblVehicleEF	MH	0.12	0.13
tblVehicleEF	MH	2.05	0.02
tblVehicleEF	MH	0.56	0.56
tblVehicleEF	MH	7.5580e-003	7.5000e-003
tblVehicleEF	MH	5.0100e-004	5.0000e-004
tblVehicleEF	MH	0.24	0.69
tblVehicleEF	MH	0.09	0.08
tblVehicleEF	MH	0.13	0.16
tblVehicleEF	MH	0.15	0.15
tblVehicleEF	MH	2.05	0.02
tblVehicleEF	MH	0.60	0.60
tblVehicleEF	MHD	7.5290e-003	9.0000e-004
tblVehicleEF	MHD	6.3690e-003	0.01
tblVehicleEF	MHD	0.00	0.01
tblVehicleEF	MHD	1.86	0.13
tblVehicleEF	MHD	1.02	1.88
tblVehicleEF	MHD	21.62	5.15
tblVehicleEF	MHD	9.7630e-003	0.01
tblVehicleEF	MHD	5.52	0.18
tblVehicleEF	MHD	2.66	3.15
tblVehicleEF	MHD	2.03	0.55
tblVehicleEF	MHD	0.02	2.2000e-003
tblVehicleEF	MHD	0.12	0.01
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.06	0.13
tblVehicleEF	MHD	2.7490e-003	1.0000e-003

tblVehicleEF	MHD	0.02	2.0000e-003
tblVehicleEF	MHD	0.05	5.4000e-003
tblVehicleEF	MHD	2.8400e-003	3.0000e-003
tblVehicleEF	MHD	0.06	0.12
tblVehicleEF	MHD	2.3780e-003	9.0000e-004
tblVehicleEF	MHD	2.4690e-003	5.0000e-004
tblVehicleEF	MHD	0.12	0.01
tblVehicleEF	MHD	0.16	0.02
tblVehicleEF	MHD	1.3690e-003	2.0000e-004
tblVehicleEF	MHD	0.17	0.15
tblVehicleEF	MHD	0.60	0.10
tblVehicleEF	MHD	1.31	0.31
tblVehicleEF	MHD	6.0280e-003	1.0000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	9.6100e-004	2.0000e-004
tblVehicleEF	MHD	2.4690e-003	5.0000e-004
tblVehicleEF	MHD	0.12	0.01
tblVehicleEF	MHD	0.18	0.02
tblVehicleEF	MHD	1.3690e-003	2.0000e-004
tblVehicleEF	MHD	0.19	0.17
tblVehicleEF	MHD	0.60	0.10
tblVehicleEF	MHD	1.41	0.33
tblVehicleEF	MHD	7.0950e-003	9.0000e-004
tblVehicleEF	MHD	6.3690e-003	0.01
tblVehicleEF	MHD	0.00	0.01
tblVehicleEF	MHD	1.35	0.13
tblVehicleEF	MHD	1.04	1.90
tblVehicleEF	MHD	15.01	3.54

tblVehicleEF	MHD	9.7630e-003	0.01
tblVehicleEF	MHD	5.70	0.18
tblVehicleEF	MHD	2.55	3.17
tblVehicleEF	MHD	1.89	0.51
tblVehicleEF	MHD	0.02	2.2000e-003
tblVehicleEF	MHD	0.12	0.01
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.06	0.13
tblVehicleEF	MHD	2.7490e-003	1.0000e-003
tblVehicleEF	MHD	0.01	2.0000e-003
tblVehicleEF	MHD	0.05	5.4000e-003
tblVehicleEF	MHD	2.8400e-003	3.0000e-003
tblVehicleEF	MHD	0.06	0.12
tblVehicleEF	MHD	2.3780e-003	9.0000e-004
tblVehicleEF	MHD	6.8590e-003	1.4000e-003
tblVehicleEF	MHD	0.15	0.01
tblVehicleEF	MHD	0.15	0.02
tblVehicleEF	MHD	3.6980e-003	4.0000e-004
tblVehicleEF	MHD	0.17	0.15
tblVehicleEF	MHD	0.59	0.10
tblVehicleEF	MHD	1.03	0.24
tblVehicleEF	MHD	6.3860e-003	1.0000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	8.4800e-004	2.0000e-004
tblVehicleEF	MHD	6.8590e-003	1.4000e-003
tblVehicleEF	MHD	0.15	0.01
tblVehicleEF	MHD	0.17	0.02
tblVehicleEF	MHD	3.6980e-003	4.0000e-004

tblVehicleEF	MHD	0.19	0.17
tblVehicleEF	MHD	0.59	0.10
tblVehicleEF	MHD	1.10	0.26
tblVehicleEF	MHD	8.1270e-003	9.0000e-004
tblVehicleEF	MHD	6.3690e-003	0.01
tblVehicleEF	MHD	0.00	0.02
tblVehicleEF	MHD	2.57	0.13
tblVehicleEF	MHD	1.02	1.88
tblVehicleEF	MHD	28.37	6.08
tblVehicleEF	MHD	9.7630e-003	0.01
tblVehicleEF	MHD	5.28	0.18
tblVehicleEF	MHD	2.71	3.25
tblVehicleEF	MHD	2.16	0.57
tblVehicleEF	MHD	0.02	2.2000e-003
tblVehicleEF	MHD	0.12	0.01
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.06	0.13
tblVehicleEF	MHD	2.7490e-003	1.0000e-003
tblVehicleEF	MHD	0.02	2.0000e-003
tblVehicleEF	MHD	0.05	5.4000e-003
tblVehicleEF	MHD	2.8400e-003	3.0000e-003
tblVehicleEF	MHD	0.06	0.12
tblVehicleEF	MHD	2.3780e-003	9.0000e-004
tblVehicleEF	MHD	6.7700e-004	4.0000e-004
tblVehicleEF	MHD	0.14	0.01
tblVehicleEF	MHD	0.17	0.02
tblVehicleEF	MHD	4.8900e-004	1.0000e-004
tblVehicleEF	MHD	0.17	0.14

tblVehicleEF	MHD	0.67	0.11
tblVehicleEF	MHD	1.60	0.35
tblVehicleEF	MHD	5.5330e-003	1.0000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	1.0760e-003	2.0000e-004
tblVehicleEF	MHD	6.7700e-004	4.0000e-004
tblVehicleEF	MHD	0.14	0.01
tblVehicleEF	MHD	0.20	0.02
tblVehicleEF	MHD	4.8900e-004	1.0000e-004
tblVehicleEF	MHD	0.19	0.17
tblVehicleEF	MHD	0.67	0.11
tblVehicleEF	MHD	1.71	0.38
tblVehicleEF	OBUS	0.02	1.2000e-003
tblVehicleEF	OBUS	2.1110e-003	0.02
tblVehicleEF	OBUS	0.00	0.04
tblVehicleEF	OBUS	2.48	0.18
tblVehicleEF	OBUS	2.10	3.24
tblVehicleEF	OBUS	13.51	12.79
tblVehicleEF	OBUS	1.2250e-003	6.7200e-004
tblVehicleEF	OBUS	5.30	0.10
tblVehicleEF	OBUS	2.73	2.30
tblVehicleEF	OBUS	1.78	1.66
tblVehicleEF	OBUS	0.01	1.3000e-003
tblVehicleEF	OBUS	0.08	0.01
tblVehicleEF	OBUS	9.7220e-003	0.01
tblVehicleEF	OBUS	0.03	0.08
tblVehicleEF	OBUS	7.6000e-004	2.5000e-003
tblVehicleEF	OBUS	9.4330e-003	1.2000e-003

tblVehicleEF	OBUS	0.03	5.4000e-003
tblVehicleEF	OBUS	2.4300e-003	3.0000e-003
tblVehicleEF	OBUS	0.03	0.07
tblVehicleEF	OBUS	6.8800e-004	2.3000e-003
tblVehicleEF	OBUS	6.5100e-004	7.0000e-004
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.42	0.02
tblVehicleEF	OBUS	3.3200e-004	3.0000e-004
tblVehicleEF	OBUS	0.17	0.20
tblVehicleEF	OBUS	0.26	0.21
tblVehicleEF	OBUS	0.78	0.71
tblVehicleEF	OBUS	5.6610e-003	1.0000e-004
tblVehicleEF	OBUS	9.8950e-003	0.01
tblVehicleEF	OBUS	6.0300e-004	4.0000e-004
tblVehicleEF	OBUS	6.5100e-004	7.0000e-004
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.48	0.02
tblVehicleEF	OBUS	3.3200e-004	3.0000e-004
tblVehicleEF	OBUS	0.20	0.23
tblVehicleEF	OBUS	0.26	0.21
tblVehicleEF	OBUS	0.83	0.76
tblVehicleEF	OBUS	0.02	1.2000e-003
tblVehicleEF	OBUS	2.1110e-003	0.02
tblVehicleEF	OBUS	0.00	0.03
tblVehicleEF	OBUS	1.80	0.18
tblVehicleEF	OBUS	2.17	3.33
tblVehicleEF	OBUS	9.28	8.81
tblVehicleEF	OBUS	1.2250e-003	6.7200e-004

tblVehicleEF	OBUS	5.47	0.10
tblVehicleEF	OBUS	2.57	2.28
tblVehicleEF	OBUS	1.66	1.55
tblVehicleEF	OBUS	8.6440e-003	1.3000e-003
tblVehicleEF	OBUS	0.08	0.01
tblVehicleEF	OBUS	9.7220e-003	0.01
tblVehicleEF	OBUS	0.03	0.08
tblVehicleEF	OBUS	7.6000e-004	2.5000e-003
tblVehicleEF	OBUS	7.9520e-003	1.2000e-003
tblVehicleEF	OBUS	0.03	5.4000e-003
tblVehicleEF	OBUS	2.4300e-003	3.0000e-003
tblVehicleEF	OBUS	0.03	0.07
tblVehicleEF	OBUS	6.8800e-004	2.3000e-003
tblVehicleEF	OBUS	1.6260e-003	1.9000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.40	0.02
tblVehicleEF	OBUS	7.9700e-004	6.0000e-004
tblVehicleEF	OBUS	0.18	0.20
tblVehicleEF	OBUS	0.26	0.21
tblVehicleEF	OBUS	0.63	0.58
tblVehicleEF	OBUS	5.9980e-003	1.0000e-004
tblVehicleEF	OBUS	9.8960e-003	0.01
tblVehicleEF	OBUS	5.3200e-004	4.0000e-004
tblVehicleEF	OBUS	1.6260e-003	1.9000e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.45	0.02
tblVehicleEF	OBUS	7.9700e-004	6.0000e-004
tblVehicleEF	OBUS	0.21	0.24

tblVehicleEF	OBUS	0.26	0.21
tblVehicleEF	OBUS	0.67	0.61
tblVehicleEF	OBUS	0.02	1.2000e-003
tblVehicleEF	OBUS	2.1110e-003	0.02
tblVehicleEF	OBUS	0.00	0.04
tblVehicleEF	OBUS	3.41	0.18
tblVehicleEF	OBUS	2.06	3.20
tblVehicleEF	OBUS	17.71	15.09
tblVehicleEF	OBUS	1.2250e-003	6.7200e-004
tblVehicleEF	OBUS	5.06	0.10
tblVehicleEF	OBUS	2.80	2.40
tblVehicleEF	OBUS	1.89	1.72
tblVehicleEF	OBUS	0.01	1.3000e-003
tblVehicleEF	OBUS	0.08	0.01
tblVehicleEF	OBUS	9.7220e-003	0.01
tblVehicleEF	OBUS	0.03	0.08
tblVehicleEF	OBUS	7.6000e-004	2.5000e-003
tblVehicleEF	OBUS	0.01	1.2000e-003
tblVehicleEF	OBUS	0.03	5.4000e-003
tblVehicleEF	OBUS	2.4300e-003	3.0000e-003
tblVehicleEF	OBUS	0.03	0.07
tblVehicleEF	OBUS	6.8800e-004	2.3000e-003
tblVehicleEF	OBUS	2.6800e-004	5.0000e-004
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.46	0.02
tblVehicleEF	OBUS	1.5100e-004	2.0000e-004
tblVehicleEF	OBUS	0.17	0.20
tblVehicleEF	OBUS	0.29	0.23

tblVehicleEF	OBUS	0.93	0.80
tblVehicleEF	OBUS	5.1970e-003	1.0000e-004
tblVehicleEF	OBUS	9.8940e-003	0.01
tblVehicleEF	OBUS	6.7400e-004	5.0000e-004
tblVehicleEF	OBUS	2.6800e-004	5.0000e-004
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.52	0.02
tblVehicleEF	OBUS	1.5100e-004	2.0000e-004
tblVehicleEF	OBUS	0.20	0.23
tblVehicleEF	OBUS	0.29	0.23
tblVehicleEF	OBUS	0.99	0.85
tblVehicleEF	SBUS	4.3220e-003	0.02
tblVehicleEF	SBUS	6.6720e-003	0.01
tblVehicleEF	SBUS	0.00	4.6000e-003
tblVehicleEF	SBUS	0.99	4.42
tblVehicleEF	SBUS	1.24	2.57
tblVehicleEF	SBUS	23.19	1.07
tblVehicleEF	SBUS	2.0590e-003	4.2240e-003
tblVehicleEF	SBUS	7.75	9.28
tblVehicleEF	SBUS	8.68	7.67
tblVehicleEF	SBUS	1.58	0.09
tblVehicleEF	SBUS	0.01	0.09
tblVehicleEF	SBUS	0.69	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	0.30
tblVehicleEF	SBUS	4.3000e-003	4.0000e-004
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.30	5.4000e-003

tblVehicleEF	SBUS	2.9250e-003	3.0000e-003
tblVehicleEF	SBUS	0.05	0.28
tblVehicleEF	SBUS	3.6110e-003	4.0000e-004
tblVehicleEF	SBUS	0.02	7.0000e-004
tblVehicleEF	SBUS	0.16	6.8000e-003
tblVehicleEF	SBUS	0.09	0.58
tblVehicleEF	SBUS	7.0320e-003	3.0000e-004
tblVehicleEF	SBUS	0.19	0.27
tblVehicleEF	SBUS	1.19	5.6970e-003
tblVehicleEF	SBUS	1.73	0.07
tblVehicleEF	SBUS	5.7480e-003	5.3000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.7400e-003	1.0000e-004
tblVehicleEF	SBUS	0.02	7.0000e-004
tblVehicleEF	SBUS	0.16	6.8000e-003
tblVehicleEF	SBUS	0.11	0.64
tblVehicleEF	SBUS	7.0320e-003	3.0000e-004
tblVehicleEF	SBUS	0.21	0.31
tblVehicleEF	SBUS	1.19	5.6970e-003
tblVehicleEF	SBUS	1.86	0.08
tblVehicleEF	SBUS	4.0730e-003	0.02
tblVehicleEF	SBUS	6.6720e-003	0.01
tblVehicleEF	SBUS	0.00	3.9000e-003
tblVehicleEF	SBUS	0.72	4.42
tblVehicleEF	SBUS	1.22	2.57
tblVehicleEF	SBUS	18.59	0.84
tblVehicleEF	SBUS	2.0590e-003	4.2240e-003
tblVehicleEF	SBUS	8.00	9.28

tblVehicleEF	SBUS	8.34	7.75
tblVehicleEF	SBUS	1.44	0.08
tblVehicleEF	SBUS	0.01	0.09
tblVehicleEF	SBUS	0.69	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	0.30
tblVehicleEF	SBUS	4.3000e-003	4.0000e-004
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.30	5.4000e-003
tblVehicleEF	SBUS	2.9250e-003	3.0000e-003
tblVehicleEF	SBUS	0.05	0.28
tblVehicleEF	SBUS	3.6110e-003	4.0000e-004
tblVehicleEF	SBUS	0.05	2.0000e-003
tblVehicleEF	SBUS	0.17	7.3000e-003
tblVehicleEF	SBUS	0.09	0.58
tblVehicleEF	SBUS	0.02	6.0000e-004
tblVehicleEF	SBUS	0.19	0.27
tblVehicleEF	SBUS	1.05	5.0090e-003
tblVehicleEF	SBUS	1.45	0.06
tblVehicleEF	SBUS	6.0890e-003	5.3000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6590e-003	1.0000e-004
tblVehicleEF	SBUS	0.05	2.0000e-003
tblVehicleEF	SBUS	0.17	7.3000e-003
tblVehicleEF	SBUS	0.10	0.64
tblVehicleEF	SBUS	0.02	6.0000e-004
tblVehicleEF	SBUS	0.21	0.31
tblVehicleEF	SBUS	1.05	5.0090e-003

tblVehicleEF	SBUS	1.55	0.07
tblVehicleEF	SBUS	4.6660e-003	0.02
tblVehicleEF	SBUS	6.6720e-003	0.01
tblVehicleEF	SBUS	0.00	5.0000e-003
tblVehicleEF	SBUS	1.37	4.42
tblVehicleEF	SBUS	1.28	2.58
tblVehicleEF	SBUS	27.58	1.20
tblVehicleEF	SBUS	2.0590e-003	4.2240e-003
tblVehicleEF	SBUS	7.40	9.28
tblVehicleEF	SBUS	8.82	7.86
tblVehicleEF	SBUS	1.68	0.09
tblVehicleEF	SBUS	0.02	0.09
tblVehicleEF	SBUS	0.69	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.06	0.30
tblVehicleEF	SBUS	4.3000e-003	4.0000e-004
tblVehicleEF	SBUS	0.02	0.08
tblVehicleEF	SBUS	0.30	5.4000e-003
tblVehicleEF	SBUS	2.9250e-003	3.0000e-003
tblVehicleEF	SBUS	0.05	0.28
tblVehicleEF	SBUS	3.6110e-003	4.0000e-004
tblVehicleEF	SBUS	5.0240e-003	6.0000e-004
tblVehicleEF	SBUS	0.19	8.0000e-003
tblVehicleEF	SBUS	0.10	0.58
tblVehicleEF	SBUS	2.7180e-003	2.0000e-004
tblVehicleEF	SBUS	0.19	0.27
tblVehicleEF	SBUS	1.47	7.1140e-003
tblVehicleEF	SBUS	1.99	0.08

tblVehicleEF	SBUS	5.2760e-003	5.3000e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.8170e-003	1.0000e-004
tblVehicleEF	SBUS	5.0240e-003	6.0000e-004
tblVehicleEF	SBUS	0.19	8.0000e-003
tblVehicleEF	SBUS	0.11	0.64
tblVehicleEF	SBUS	2.7180e-003	2.0000e-004
tblVehicleEF	SBUS	0.21	0.31
tblVehicleEF	SBUS	1.47	7.1140e-003
tblVehicleEF	SBUS	2.13	0.09
tblVehicleEF	UBUS	0.00	0.04
tblVehicleEF	UBUS	0.00	0.05
tblVehicleEF	UBUS	4.51	3.80
tblVehicleEF	UBUS	12.19	11.57
tblVehicleEF	UBUS	1.4820e-003	1.9040e-003
tblVehicleEF	UBUS	13.49	11.82
tblVehicleEF	UBUS	1.54	1.71
tblVehicleEF	UBUS	0.65	0.01
tblVehicleEF	UBUS	8.0000e-003	9.2000e-003
tblVehicleEF	UBUS	0.23	0.20
tblVehicleEF	UBUS	7.0800e-004	3.7000e-003
tblVehicleEF	UBUS	0.28	5.4000e-003
tblVehicleEF	UBUS	2.0000e-003	2.3000e-003
tblVehicleEF	UBUS	0.21	0.18
tblVehicleEF	UBUS	6.5700e-004	3.4000e-003
tblVehicleEF	UBUS	4.6750e-003	4.3000e-003
tblVehicleEF	UBUS	0.10	0.09
tblVehicleEF	UBUS	2.2640e-003	2.1000e-003

tblVehicleEF	UBUS	0.79	0.73
tblVehicleEF	UBUS	0.87	0.02
tblVehicleEF	UBUS	0.91	1.00
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	5.6600e-004	6.0000e-004
tblVehicleEF	UBUS	4.6750e-003	4.3000e-003
tblVehicleEF	UBUS	0.10	0.09
tblVehicleEF	UBUS	2.2640e-003	2.1000e-003
tblVehicleEF	UBUS	0.88	0.82
tblVehicleEF	UBUS	0.87	0.02
tblVehicleEF	UBUS	0.97	1.07
tblVehicleEF	UBUS	0.00	0.04
tblVehicleEF	UBUS	0.00	0.04
tblVehicleEF	UBUS	4.63	3.89
tblVehicleEF	UBUS	8.98	8.60
tblVehicleEF	UBUS	1.4820e-003	1.9040e-003
tblVehicleEF	UBUS	12.92	11.91
tblVehicleEF	UBUS	1.42	1.58
tblVehicleEF	UBUS	0.65	0.01
tblVehicleEF	UBUS	8.0000e-003	9.2000e-003
tblVehicleEF	UBUS	0.23	0.20
tblVehicleEF	UBUS	7.0800e-004	3.7000e-003
tblVehicleEF	UBUS	0.28	5.4000e-003
tblVehicleEF	UBUS	2.0000e-003	2.3000e-003
tblVehicleEF	UBUS	0.21	0.18
tblVehicleEF	UBUS	6.5700e-004	3.4000e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.12	0.10

tblVehicleEF	UBUS	5.5420e-003	4.2000e-003
tblVehicleEF	UBUS	0.81	0.74
tblVehicleEF	UBUS	0.81	0.02
tblVehicleEF	UBUS	0.76	0.84
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	5.1000e-004	6.0000e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.12	0.10
tblVehicleEF	UBUS	5.5420e-003	4.2000e-003
tblVehicleEF	UBUS	0.90	0.83
tblVehicleEF	UBUS	0.81	0.02
tblVehicleEF	UBUS	0.81	0.90
tblVehicleEF	UBUS	0.00	0.03
tblVehicleEF	UBUS	0.00	0.06
tblVehicleEF	UBUS	4.43	3.76
tblVehicleEF	UBUS	15.30	13.06
tblVehicleEF	UBUS	1.4820e-003	1.9040e-003
tblVehicleEF	UBUS	13.72	12.16
tblVehicleEF	UBUS	1.63	1.77
tblVehicleEF	UBUS	0.65	0.01
tblVehicleEF	UBUS	8.0000e-003	9.2000e-003
tblVehicleEF	UBUS	0.23	0.20
tblVehicleEF	UBUS	7.0800e-004	3.7000e-003
tblVehicleEF	UBUS	0.28	5.4000e-003
tblVehicleEF	UBUS	2.0000e-003	2.3000e-003
tblVehicleEF	UBUS	0.21	0.18
tblVehicleEF	UBUS	6.5700e-004	3.4000e-003
tblVehicleEF	UBUS	1.3420e-003	3.8000e-003

tblVehicleEF	UBUS	0.12	0.11
tblVehicleEF	UBUS	8.9400e-004	1.2000e-003
tblVehicleEF	UBUS	0.77	0.72
tblVehicleEF	UBUS	1.05	0.03
tblVehicleEF	UBUS	1.05	1.08
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	6.1900e-004	7.0000e-004
tblVehicleEF	UBUS	1.3420e-003	3.8000e-003
tblVehicleEF	UBUS	0.12	0.11
tblVehicleEF	UBUS	8.9400e-004	1.2000e-003
tblVehicleEF	UBUS	0.86	0.81
tblVehicleEF	UBUS	1.05	0.03
tblVehicleEF	UBUS	1.12	1.16
tblVehicleTrips	ST_TR	10.08	9.37
tblVehicleTrips	SU_TR	8.77	9.37
tblVehicleTrips	WD_TR	9.57	9.37
tblWoodstoves	NumberCatalytic	3.12	0.00
tblWoodstoves	NumberNoncatalytic	3.12	0.00
tblWoodstoves	WoodstoveDayYear	26.24	0.00
tblWoodstoves	WoodstoveWoodMass	1,355.20	0.00

2.0 Emissions Summary

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7590	7.7200e-003	0.6655	3.0000e-005		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003	0.0000	1.0795	1.0795	1.0700e-003	0.0000	1.1019
Energy	0.0169	0.1447	0.0616	9.2000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	350.6985	350.6985	0.0115	6.2100e-003	352.8659
Mobile	0.3802	0.9755	4.9284	9.6000e-003	0.6288	0.0479	0.6768	0.1606	0.0406	0.2012	0.0000	680.6346	680.6346	0.0348	0.0000	681.3650
Waste						0.0000	0.0000		0.0000	0.0000	21.7403	0.0000	21.7403	1.2848	0.0000	48.7215
Water						0.0000	0.0000		0.0000	0.0000	1.8397	12.8501	14.6897	0.1895	4.6800e-003	20.1213
Total	1.1560	1.1280	5.6554	0.0106	0.6288	0.0633	0.6921	0.1606	0.0560	0.2166	23.5800	1,045.2627	1,068.8427	1.5217	0.0109	1,104.1756

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8968	7.7200e-003	0.6655	3.0000e-005		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003	0.0000	1.0795	1.0795	1.0700e-003	0.0000	1.1019
Energy	0.0169	0.1447	0.0616	9.2000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	350.6985	350.6985	0.0115	6.2100e-003	352.8659
Mobile	0.3802	0.9755	4.9284	9.6000e-003	0.6288	0.0479	0.6768	0.1606	0.0406	0.2012	0.0000	680.6346	680.6346	0.0348	0.0000	681.3650
Waste						0.0000	0.0000		0.0000	0.0000	21.7403	0.0000	21.7403	1.2848	0.0000	48.7215
Water						0.0000	0.0000		0.0000	0.0000	1.8397	12.8501	14.6897	0.1895	4.6700e-003	20.1165
Total	1.2939	1.1280	5.6554	0.0106	0.6288	0.0633	0.6921	0.1606	0.0560	0.2166	23.5800	1,045.2627	1,068.8427	1.5217	0.0109	1,104.1708

	ROG	NOx	CO	SO2	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	-11.92	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	0.09	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	Grading	Grading	4/1/2015	9/30/2015	5	131	
2	Building Construction	Building Construction	10/1/2015	9/30/2016	5	262	
3	Paving	Paving	10/1/2015	12/30/2015	5	65	
4	Architectural Coating	Architectural Coating	6/1/2016	9/30/2016	5	88	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 31

Acres of Paving: 0

Residential Indoor: 324,405; Residential Outdoor: 108,135; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
Grading	8	20.00	0.00	43,750.00	12.40	7.30	1.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	32.00	10.00	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	6.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2015**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.4307	0.0000	0.4307	0.2216	0.0000	0.2216	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4438	5.1776	3.3300	4.0400e-003		0.2490	0.2490		0.2291	0.2291	0.0000	385.4165	385.4165	0.1151	0.0000	387.8328
Total	0.4438	5.1776	3.3300	4.0400e-003	0.4307	0.2490	0.6797	0.2216	0.2291	0.4507	0.0000	385.4165	385.4165	0.1151	0.0000	387.8328

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	0.3055	0.9005	4.3128	1.2500e-003	27.0844	7.6500e-003	27.0921	2.7038	7.0000e-003	2.7108	0.0000	109.5614	109.5614	1.7200e-003	0.0000	109.5975
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5200e-003	8.0900e-003	0.0792	1.4000e-004	0.0119	1.0000e-004	0.0120	3.1700e-003	9.0000e-005	3.2700e-003	0.0000	11.1524	11.1524	6.5000e-004	0.0000	11.1661
Total	0.3110	0.9086	4.3921	1.3900e-003	27.0964	7.7500e-003	27.1041	2.7070	7.0900e-003	2.7141	0.0000	120.7138	120.7138	2.3700e-003	0.0000	120.7636

3.2 Grading - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1680	0.0000	0.1680	0.0864	0.0000	0.0864	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4438	5.1776	3.3300	4.0400e-003		0.2490	0.2490		0.2291	0.2291	0.0000	385.4160	385.4160	0.1151	0.0000	387.8323
Total	0.4438	5.1776	3.3300	4.0400e-003	0.1680	0.2490	0.4170	0.0864	0.2291	0.3155	0.0000	385.4160	385.4160	0.1151	0.0000	387.8323

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	0.3055	0.9005	4.3128	1.2500e-003	16.5851	7.6500e-003	16.5928	1.6539	7.0000e-003	1.6609	0.0000	109.5614	109.5614	1.7200e-003	0.0000	109.5975
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5200e-003	8.0900e-003	0.0792	1.4000e-004	0.0119	1.0000e-004	0.0120	3.1700e-003	9.0000e-005	3.2700e-003	0.0000	11.1524	11.1524	6.5000e-004	0.0000	11.1661
Total	0.3110	0.9086	4.3921	1.3900e-003	16.5971	7.7500e-003	16.6048	1.6570	7.0900e-003	1.6641	0.0000	120.7138	120.7138	2.3700e-003	0.0000	120.7636

3.3 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1208	0.9910	0.6186	8.9000e-004		0.0699	0.0699		0.0657	0.0657	0.0000	80.5181	80.5181	0.0202	0.0000	80.9424
Total	0.1208	0.9910	0.6186	8.9000e-004		0.0699	0.0699		0.0657	0.0657	0.0000	80.5181	80.5181	0.0202	0.0000	80.9424

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	4.6900e-003	0.0380	0.0514	8.0000e-005	2.1300e-003	6.1000e-004	2.7400e-003	6.1000e-004	5.6000e-004	1.1700e-003	0.0000	7.1962	7.1962	6.0000e-005	0.0000	7.1976
Worker	4.4500e-003	6.5200e-003	0.0639	1.1000e-004	9.6100e-003	8.0000e-005	9.7000e-003	2.5600e-003	8.0000e-005	2.6300e-003	0.0000	8.9900	8.9900	5.3000e-004	0.0000	9.0011
Total	9.1400e-003	0.0445	0.1153	1.9000e-004	0.0117	6.9000e-004	0.0124	3.1700e-003	6.4000e-004	3.8000e-003	0.0000	16.1862	16.1862	5.9000e-004	0.0000	16.1986

3.3 Building Construction - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1208	0.9910	0.6186	8.9000e-004		0.0699	0.0699		0.0657	0.0657	0.0000	80.5180	80.5180	0.0202	0.0000	80.9423
Total	0.1208	0.9910	0.6186	8.9000e-004		0.0699	0.0699		0.0657	0.0657	0.0000	80.5180	80.5180	0.0202	0.0000	80.9423

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	4.6900e-003	0.0380	0.0514	8.0000e-005	2.1300e-003	6.1000e-004	2.7400e-003	6.1000e-004	5.6000e-004	1.1700e-003	0.0000	7.1962	7.1962	6.0000e-005	0.0000	7.1976
Worker	4.4500e-003	6.5200e-003	0.0639	1.1000e-004	9.6100e-003	8.0000e-005	9.7000e-003	2.5600e-003	8.0000e-005	2.6300e-003	0.0000	8.9900	8.9900	5.3000e-004	0.0000	9.0011
Total	9.1400e-003	0.0445	0.1153	1.9000e-004	0.0117	6.9000e-004	0.0124	3.1700e-003	6.4000e-004	3.8000e-003	0.0000	16.1862	16.1862	5.9000e-004	0.0000	16.1986

3.3 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	0.3338	2.7936	1.8137	2.6300e-003		0.1928	0.1928		0.1812	0.1812	0.0000	237.3105	237.3105	0.0589	0.0000	238.5465
Total	0.3338	2.7936	1.8137	2.6300e-003		0.1928	0.1928		0.1812	0.1812	0.0000	237.3105	237.3105	0.0589	0.0000	238.5465

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	0.0123	0.0982	0.1411	2.3000e-004	6.3100e-003	1.4500e-003	7.7600e-003	1.8100e-003	1.3300e-003	3.1400e-003	0.0000	21.1208	21.1208	1.7000e-004	0.0000	21.1244
Worker	0.0118	0.0174	0.1695	3.4000e-004	0.0286	2.3000e-004	0.0288	7.5900e-003	2.1000e-004	7.8100e-003	0.0000	25.7844	25.7844	1.4300e-003	0.0000	25.8144
Total	0.0241	0.1155	0.3106	5.7000e-004	0.0349	1.6800e-003	0.0365	9.4000e-003	1.5400e-003	0.0110	0.0000	46.9053	46.9053	1.6000e-003	0.0000	46.9388

3.3 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3338	2.7936	1.8137	2.6300e-003		0.1928	0.1928		0.1812	0.1812	0.0000	237.3102	237.3102	0.0589	0.0000	238.5462
Total	0.3338	2.7936	1.8137	2.6300e-003		0.1928	0.1928		0.1812	0.1812	0.0000	237.3102	237.3102	0.0589	0.0000	238.5462

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	0.0123	0.0982	0.1411	2.3000e-004	6.3100e-003	1.4500e-003	7.7600e-003	1.8100e-003	1.3300e-003	3.1400e-003	0.0000	21.1208	21.1208	1.7000e-004	0.0000	21.1244
Worker	0.0118	0.0174	0.1695	3.4000e-004	0.0286	2.3000e-004	0.0288	7.5900e-003	2.1000e-004	7.8100e-003	0.0000	25.7844	25.7844	1.4300e-003	0.0000	25.8144
Total	0.0241	0.1155	0.3106	5.7000e-004	0.0349	1.6800e-003	0.0365	9.4000e-003	1.5400e-003	0.0110	0.0000	46.9053	46.9053	1.6000e-003	0.0000	46.9388

3.4 Paving - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0753	0.8182	0.4868	7.2000e-004		0.0460	0.0460		0.0423	0.0423	0.0000	68.9884	68.9884	0.0206	0.0000	69.4209
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0753	0.8182	0.4868	7.2000e-004		0.0460	0.0460		0.0423	0.0423	0.0000	68.9884	68.9884	0.0206	0.0000	69.4209

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	2.0500e-003	3.0100e-003	0.0295	5.0000e-005	4.4400e-003	4.0000e-005	4.4800e-003	1.1800e-003	4.0000e-005	1.2200e-003	0.0000	4.1502	4.1502	2.4000e-004	0.0000	4.1553
Total	2.0500e-003	3.0100e-003	0.0295	5.0000e-005	4.4400e-003	4.0000e-005	4.4800e-003	1.1800e-003	4.0000e-005	1.2200e-003	0.0000	4.1502	4.1502	2.4000e-004	0.0000	4.1553

3.4 Paving - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0753	0.8182	0.4868	7.2000e-004		0.0460	0.0460		0.0423	0.0423	0.0000	68.9883	68.9883	0.0206	0.0000	69.4208
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0753	0.8182	0.4868	7.2000e-004		0.0460	0.0460		0.0423	0.0423	0.0000	68.9883	68.9883	0.0206	0.0000	69.4208

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	2.0500e-003	3.0100e-003	0.0295	5.0000e-005	4.4400e-003	4.0000e-005	4.4800e-003	1.1800e-003	4.0000e-005	1.2200e-003	0.0000	4.1502	4.1502	2.4000e-004	0.0000	4.1553
Total	2.0500e-003	3.0100e-003	0.0295	5.0000e-005	4.4400e-003	4.0000e-005	4.4800e-003	1.1800e-003	4.0000e-005	1.2200e-003	0.0000	4.1502	4.1502	2.4000e-004	0.0000	4.1553

3.5 Architectural Coating - 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					
Archit. Coating	2.5060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0162	0.1044	0.0829	1.3000e-004		8.6500e-003	8.6500e-003		8.6500e-003	8.6500e-003	0.0000	11.2343	11.2343	1.3200e-003	0.0000	11.2621
Total	2.5222	0.1044	0.0829	1.3000e-004		8.6500e-003	8.6500e-003		8.6500e-003	8.6500e-003	0.0000	11.2343	11.2343	1.3200e-003	0.0000	11.2621

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	9.9000e-004	1.4600e-003	0.0143	3.0000e-005	2.4000e-003	2.0000e-005	2.4200e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.1706	2.1706	1.2000e-004	0.0000	2.1732
Total	9.9000e-004	1.4600e-003	0.0143	3.0000e-005	2.4000e-003	2.0000e-005	2.4200e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.1706	2.1706	1.2000e-004	0.0000	2.1732

3.5 Architectural Coating - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.5060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0162	0.1044	0.0829	1.3000e-004		8.6500e-003	8.6500e-003		8.6500e-003	8.6500e-003	0.0000	11.2343	11.2343	1.3200e-003	0.0000	11.2621
Total	2.5222	0.1044	0.0829	1.3000e-004		8.6500e-003	8.6500e-003		8.6500e-003	8.6500e-003	0.0000	11.2343	11.2343	1.3200e-003	0.0000	11.2621

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	9.9000e-004	1.4600e-003	0.0143	3.0000e-005	2.4000e-003	2.0000e-005	2.4200e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.1706	2.1706	1.2000e-004	0.0000	2.1732
Total	9.9000e-004	1.4600e-003	0.0143	3.0000e-005	2.4000e-003	2.0000e-005	2.4200e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.1706	2.1706	1.2000e-004	0.0000	2.1732

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	0.3802	0.9755	4.9284	9.6000e-003	0.6288	0.0479	0.6768	0.1606	0.0406	0.2012	0.0000	680.6346	680.6346	0.0348	0.0000	681.3650
Unmitigated	0.3802	0.9755	4.9284	9.6000e-003	0.6288	0.0479	0.6768	0.1606	0.0406	0.2012	0.0000	680.6346	680.6346	0.0348	0.0000	681.3650

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	833.93	833.93	833.93	1,861,637	1,861,637
Total	833.93	833.93	833.93	1,861,637	1,861,637

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
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
0.515442	0.138348	0.204982	0.078892	0.012146	0.006194	0.010268	0.015412	0.000672	0.001904	0.008824	0.004224	0.002692

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	183.1263	183.1263	8.2800e-003	3.1400e-003	184.2739
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	183.1263	183.1263	8.2800e-003	3.1400e-003	184.2739
NaturalGas Mitigated	0.0169	0.1447	0.0616	9.2000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	167.5722	167.5722	3.2100e-003	3.0700e-003	168.5920
NaturalGas Unmitigated	0.0169	0.1447	0.0616	9.2000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	167.5722	167.5722	3.2100e-003	3.0700e-003	168.5920

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					
Single Family Housing	3.14018e+006	0.0169	0.1447	0.0616	9.2000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	167.5722	167.5722	3.2100e-003	3.0700e-003	168.5920
Total		0.0169	0.1447	0.0616	9.2000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	167.5722	167.5722	3.2100e-003	3.0700e-003	168.5920

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					
Single Family Housing	3.14018e+006	0.0169	0.1447	0.0616	9.2000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	167.5722	167.5722	3.2100e-003	3.0700e-003	168.5920
Total		0.0169	0.1447	0.0616	9.2000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	167.5722	167.5722	3.2100e-003	3.0700e-003	168.5920

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	629492	183.1263	8.2800e-003	3.1400e-003	184.2739
Total		183.1263	8.2800e-003	3.1400e-003	184.2739

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	629492	183.1263	8.2800e-003	3.1400e-003	184.2739
Total		183.1263	8.2800e-003	3.1400e-003	184.2739

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8968	7.7200e-003	0.6655	3.0000e-005		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003	0.0000	1.0795	1.0795	1.0700e-003	0.0000	1.1019
Unmitigated	0.7590	7.7200e-003	0.6655	3.0000e-005		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003	0.0000	1.0795	1.0795	1.0700e-003	0.0000	1.1019

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	0.1128					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6257					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	0.0205	7.7200e-003	0.6655	3.0000e-005		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003	0.0000	1.0795	1.0795	1.0700e-003	0.0000	1.1019
Total	0.7589	7.7200e-003	0.6655	3.0000e-005		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003	0.0000	1.0795	1.0795	1.0700e-003	0.0000	1.1019

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	0.2506					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6257					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	0.0205	7.7200e-003	0.6655	3.0000e-005		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003	0.0000	1.0795	1.0795	1.0700e-003	0.0000	1.1019
Total	0.8968	7.7200e-003	0.6655	3.0000e-005		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003	0.0000	1.0795	1.0795	1.0700e-003	0.0000	1.1019

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	14.6897	0.1895	4.6700e-003	20.1165
Unmitigated	14.6897	0.1895	4.6800e-003	20.1213

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	5.79871 / 3.65571	14.6897	0.1895	4.6800e-003	20.1213
Total		14.6897	0.1895	4.6800e-003	20.1213

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	5.79871 / 3.65571	14.6897	0.1895	4.6700e-003	20.1165
Total		14.6897	0.1895	4.6700e-003	20.1165

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	21.7403	1.2848	0.0000	48.7215
Unmitigated	21.7403	1.2848	0.0000	48.7215

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	107.1	21.7403	1.2848	0.0000	48.7215
Total		21.7403	1.2848	0.0000	48.7215

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	107.1	21.7403	1.2848	0.0000	48.7215
Total		21.7403	1.2848	0.0000	48.7215

9.0 Operational Offroad

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

10.0 Vegetation
