

APPENDIX 5.2

Air Quality Calculations

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

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.

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Off-road Equipment -

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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
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tblConstructionPhase	NumDays	500.00	262.00
tblConstructionPhase	NumDays	45.00	131.00
tblConstructionPhase	NumDays	35.00	65.00
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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
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tblVehicleEF	HHD	0.00	0.09
tblVehicleEF	HHD	2.96	9.21
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.08	0.21
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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
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tblVehicleEF	LDA	0.03	0.04
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tblVehicleEF	LDT2	0.17	0.21
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tblVehicleEF	LDT2	0.01	0.01
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tblVehicleEF	LDT2	0.15	0.19
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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
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tblVehicleEF	LHD2	2.31	3.64
tblVehicleEF	LHD2	4.8410e-003	6.1940e-003
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tblVehicleEF	LHD2	0.01	0.01
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tblVehicleEF	LHD2	4.9500e-004	1.7000e-003
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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
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tblVehicleEF	LHD2	0.21	0.29
tblVehicleEF	LHD2	9.7000e-005	1.0000e-004
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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
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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.03	0.02
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tblVehicleEF	LHD2	0.03	5.4000e-003
tblVehicleEF	LHD2	2.6330e-003	3.0000e-003
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tblVehicleEF	LHD2	4.5300e-004	1.6000e-003
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tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4350e-003	9.0000e-004
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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
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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
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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
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tblVehicleEF	MCY	0.45	0.41
tblVehicleEF	MCY	0.09	0.15
tblVehicleEF	MCY	3.17	3.34
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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
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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
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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
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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

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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
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tblVehicleEF	MHD	2.16	0.57
tblVehicleEF	MHD	0.02	2.2000e-003
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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
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tblVehicleEF	MHD	0.14	0.01
tblVehicleEF	MHD	0.17	0.02
tblVehicleEF	MHD	4.8900e-004	1.0000e-004
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tblVehicleEF	MHD	1.0760e-003	2.0000e-004
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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
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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
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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
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tblVehicleEF	OBUS	2.17	3.33
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tblVehicleEF	OBUS	1.2250e-003	6.7200e-004

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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
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tblVehicleEF	OBUS	1.6260e-003	1.9000e-003
tblVehicleEF	OBUS	0.03	0.02
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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
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tblVehicleEF	OBUS	0.21	0.24

tblVehicleEF	OBUS	0.26	0.21
tblVehicleEF	OBUS	0.67	0.61
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tblVehicleEF	OBUS	0.00	0.04
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tblVehicleEF	OBUS	0.01	1.3000e-003
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tblVehicleEF	OBUS	9.7220e-003	0.01
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tblVehicleEF	OBUS	7.6000e-004	2.5000e-003
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tblVehicleEF	OBUS	6.8800e-004	2.3000e-003
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tblVehicleEF	OBUS	0.46	0.02
tblVehicleEF	OBUS	1.5100e-004	2.0000e-004
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tblVehicleEF	OBUS	0.29	0.23

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tblVehicleEF	OBUS	5.1970e-003	1.0000e-004
tblVehicleEF	OBUS	9.8940e-003	0.01
tblVehicleEF	OBUS	6.7400e-004	5.0000e-004
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tblVehicleEF	OBUS	0.20	0.23
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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
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tblVehicleEF	SBUS	23.19	1.07
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tblVehicleEF	SBUS	0.01	0.01
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tblVehicleEF	SBUS	4.3000e-003	4.0000e-004
tblVehicleEF	SBUS	0.01	0.08
tblVehicleEF	SBUS	0.30	5.4000e-003

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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
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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
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tblVehicleEF	SBUS	6.0890e-003	5.3000e-003
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tblVehicleEF	SBUS	1.6590e-003	1.0000e-004
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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
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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	lb/day										lb/day					
Area	4.2742	0.0858	7.3945	3.9000e-004		0.0404	0.0404		0.0404	0.0404	0.0000	13.2212	13.2212	0.0131	0.0000	13.4963
Energy	0.0928	0.7929	0.3374	5.0600e-003		0.0641	0.0641		0.0641	0.0641		1,012.1462	1,012.1462	0.0194	0.0186	1,018.3059
Mobile	2.4067	5.2513	27.5190	0.0577	3.5895	0.2627	3.8522	0.9153	0.2227	1.1381		4,428.6304	4,428.6304	0.2067		4,432.9717
Total	6.7737	6.1300	35.2509	0.0631	3.5895	0.3672	3.9567	0.9153	0.3272	1.2425	0.0000	5,453.9977	5,453.9977	0.2392	0.0186	5,464.7739

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0294	0.0858	7.3945	3.9000e-004		0.0404	0.0404		0.0404	0.0404	0.0000	13.2212	13.2212	0.0131	0.0000	13.4963
Energy	0.0928	0.7929	0.3374	5.0600e-003		0.0641	0.0641		0.0641	0.0641		1,012.1462	1,012.1462	0.0194	0.0186	1,018.3059
Mobile	2.4067	5.2513	27.5190	0.0577	3.5895	0.2627	3.8522	0.9153	0.2227	1.1381		4,428.6304	4,428.6304	0.2067		4,432.9717
Total	7.5289	6.1300	35.2509	0.0631	3.5895	0.3672	3.9567	0.9153	0.3272	1.2425	0.0000	5,453.9977	5,453.9977	0.2392	0.0186	5,464.7739

	ROG	NOx	CO	SO2	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	-11.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	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	lb/day										lb/day						
Fugitive Dust					6.5752	0.0000	6.5752	3.3831	0.0000	3.3831			0.0000				0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.243 3	6,486.243 3	1.9364			6,526.908 0
Total	6.7751	79.0467	50.8400	0.0618	6.5752	3.8022	10.3774	3.3831	3.4980	6.8811		6,486.243 3	6,486.243 3	1.9364			6,526.908 0

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	3.9371	13.3921	50.2667	0.0191	491.6092	0.1139	491.7230	49.0729	0.1042	49.1771		1,868.814 2	1,868.814 2	0.0279			1,869.400 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0926	0.1100	1.3181	2.3500e-003	0.1886	1.5700e-003	0.1902	0.0500	1.4400e-003	0.0515		204.3884	204.3884	0.0110			204.6195
Total	4.0297	13.5021	51.5848	0.0215	491.7978	0.1155	491.9132	49.1229	0.1056	49.2285		2,073.202 6	2,073.202 6	0.0389			2,074.020 2

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	lb/day										lb/day					
Fugitive Dust					2.5643	0.0000	2.5643	1.3194	0.0000	1.3194			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980	0.0000	6,486.243 3	6,486.243 3	1.9364		6,526.908 0
Total	6.7751	79.0467	50.8400	0.0618	2.5643	3.8022	6.3665	1.3194	3.4980	4.8174	0.0000	6,486.243 3	6,486.243 3	1.9364		6,526.908 0

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.9371	13.3921	50.2667	0.0191	301.0310	0.1139	301.1449	30.0151	0.1042	30.1193		1,868.814 2	1,868.814 2	0.0279		1,869.400 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0926	0.1100	1.3181	2.3500e-003	0.1886	1.5700e-003	0.1902	0.0500	1.4400e-003	0.0515		204.3884	204.3884	0.0110		204.6195
Total	4.0297	13.5021	51.5848	0.0215	301.2197	0.1155	301.3351	30.0651	0.1056	30.1707		2,073.202 6	2,073.202 6	0.0389		2,074.020 2

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	lb/day										lb/day					
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.577 1	2,689.577 1	0.6748		2,703.748 3
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.577 1	2,689.577 1	0.6748		2,703.748 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1272	1.1137	1.2326	2.3800e-003	0.0663	0.0184	0.0847	0.0189	0.0169	0.0358		241.1503	241.1503	2.1300e-003		241.1950
Worker	0.1481	0.1761	2.1090	3.7700e-003	0.3018	2.5200e-003	0.3043	0.0800	2.3000e-003	0.0823		327.0214	327.0214	0.0176		327.3911
Total	0.2753	1.2897	3.3415	6.1500e-003	0.3681	0.0209	0.3890	0.0990	0.0192	0.1182		568.1717	568.1717	0.0197		568.5862

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	lb/day										lb/day					
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904	0.0000	2,689.577 1	2,689.577 1	0.6748		2,703.748 3
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904	0.0000	2,689.577 1	2,689.577 1	0.6748		2,703.748 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1272	1.1137	1.2326	2.3800e-003	0.0663	0.0184	0.0847	0.0189	0.0169	0.0358		241.1503	241.1503	2.1300e-003		241.1950
Worker	0.1481	0.1761	2.1090	3.7700e-003	0.3018	2.5200e-003	0.3043	0.0800	2.3000e-003	0.0823		327.0214	327.0214	0.0176		327.3911
Total	0.2753	1.2897	3.3415	6.1500e-003	0.3681	0.0209	0.3890	0.0990	0.0192	0.1182		568.1717	568.1717	0.0197		568.5862

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	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1123	0.9690	1.1163	2.3800e-003	0.0663	0.0147	0.0811	0.0189	0.0135	0.0325		238.3368	238.3368	1.8800e-003		238.3763
Worker	0.1332	0.1580	1.8932	3.7600e-003	0.3018	2.3700e-003	0.3041	0.0800	2.1800e-003	0.0822		315.8734	315.8734	0.0161		316.2109
Total	0.2455	1.1269	3.0094	6.1400e-003	0.3681	0.0171	0.3852	0.0990	0.0157	0.1147		554.2103	554.2103	0.0180		554.5872

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	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1123	0.9690	1.1163	2.3800e-003	0.0663	0.0147	0.0811	0.0189	0.0135	0.0325		238.3368	238.3368	1.8800e-003		238.3763
Worker	0.1332	0.1580	1.8932	3.7600e-003	0.3018	2.3700e-003	0.3041	0.0800	2.1800e-003	0.0822		315.8734	315.8734	0.0161		316.2109
Total	0.2455	1.1269	3.0094	6.1400e-003	0.3681	0.0171	0.3852	0.0990	0.0157	0.1147		554.2103	554.2103	0.0180		554.5872

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	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986		2,354.5681
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986		2,354.5681

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0694	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646
Total	0.0694	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646

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	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016	0.0000	2,339.898 4	2,339.898 4	0.6986		2,354.568 1
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016	0.0000	2,339.898 4	2,339.898 4	0.6986		2,354.568 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0694	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646
Total	0.0694	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646

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	lb/day										lb/day					
Archit. Coating	56.9552					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	57.3237	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0250	0.0296	0.3550	7.1000e-004	0.0566	4.5000e-004	0.0570	0.0150	4.1000e-004	0.0154		59.2263	59.2263	3.0100e-003		59.2895
Total	0.0250	0.0296	0.3550	7.1000e-004	0.0566	4.5000e-004	0.0570	0.0150	4.1000e-004	0.0154		59.2263	59.2263	3.0100e-003		59.2895

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	lb/day										lb/day						
Archit. Coating	56.9552					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332			282.1449
Total	57.3237	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332			282.1449

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0250	0.0296	0.3550	7.1000e-004	0.0566	4.5000e-004	0.0570	0.0150	4.1000e-004	0.0154		59.2263	59.2263	3.0100e-003			59.2895
Total	0.0250	0.0296	0.3550	7.1000e-004	0.0566	4.5000e-004	0.0570	0.0150	4.1000e-004	0.0154		59.2263	59.2263	3.0100e-003			59.2895

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4067	5.2513	27.5190	0.0577	3.5895	0.2627	3.8522	0.9153	0.2227	1.1381		4,428.6304	4,428.6304	0.2067		4,432.9717
Unmitigated	2.4067	5.2513	27.5190	0.0577	3.5895	0.2627	3.8522	0.9153	0.2227	1.1381		4,428.6304	4,428.6304	0.2067		4,432.9717

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	lb/day										lb/day					
NaturalGas Mitigated	0.0928	0.7929	0.3374	5.0600e-003		0.0641	0.0641		0.0641	0.0641		1,012.1462	1,012.1462	0.0194	0.0186	1,018.3059
NaturalGas Unmitigated	0.0928	0.7929	0.3374	5.0600e-003		0.0641	0.0641		0.0641	0.0641		1,012.1462	1,012.1462	0.0194	0.0186	1,018.3059

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	8603.24	0.0928	0.7929	0.3374	5.0600e-003		0.0641	0.0641		0.0641	0.0641		1,012.1462	1,012.1462	0.0194	0.0186	1,018.3059
Total		0.0928	0.7929	0.3374	5.0600e-003		0.0641	0.0641		0.0641	0.0641		1,012.1462	1,012.1462	0.0194	0.0186	1,018.3059

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	lb/day										lb/day					
Single Family Housing	8.60324	0.0928	0.7929	0.3374	5.0600e-003		0.0641	0.0641		0.0641	0.0641		1,012.1462	1,012.1462	0.0194	0.0186	1,018.3059
Total		0.0928	0.7929	0.3374	5.0600e-003		0.0641	0.0641		0.0641	0.0641		1,012.1462	1,012.1462	0.0194	0.0186	1,018.3059

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	lb/day										lb/day					
Mitigated	5.0294	0.0858	7.3945	3.9000e-004		0.0404	0.0404		0.0404	0.0404	0.0000	13.2212	13.2212	0.0131	0.0000	13.4963
Unmitigated	4.2742	0.0858	7.3945	3.9000e-004		0.0404	0.0404		0.0404	0.0404	0.0000	13.2212	13.2212	0.0131	0.0000	13.4963

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4283					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	0.2279	0.0858	7.3945	3.9000e-004		0.0404	0.0404		0.0404	0.0404		13.2212	13.2212	0.0131		13.4963
Total	4.2741	0.0858	7.3945	3.9000e-004		0.0404	0.0404		0.0404	0.0404	0.0000	13.2212	13.2212	0.0131	0.0000	13.4963

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	lb/day										lb/day					
Architectural Coating	1.3732					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4283					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	0.2279	0.0858	7.3945	3.9000e-004		0.0404	0.0404		0.0404	0.0404		13.2212	13.2212	0.0131		13.4963
Total	5.0294	0.0858	7.3945	3.9000e-004		0.0404	0.0404		0.0404	0.0404	0.0000	13.2212	13.2212	0.0131	0.0000	13.4963

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

BAY AREA AQMD SIMPLIFIED CALINE4 ANALYSIS; UPDATED WITH EMFAC2007

Project Title: Montreux Residences
 Intersection: Buchanan Road and Harbor St
 Analysis Condition: Future w/Project
 Nearest Air Monitoring Station measuring CO: 2975 Treat Blvd, Concord
 Background 1-hour CO Concentration (ppm): 1.2
 Background 8-hour CO Concentration (ppm): 0.8
 Persistence Factor: 0.6
 Analysis Year: 2035

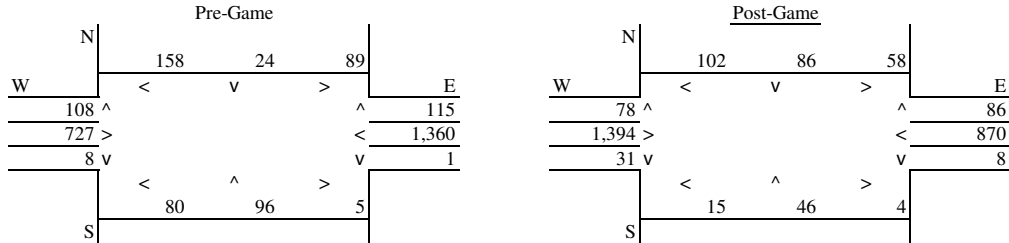
	Roadway Type	No. of Lanes	Approach/Departure Speed	
			A.M.	P.M.
North-South Roadway: Harbor St	AT GRADE	2	5	5
East-West Roadway: Buchanan Road	AT GRADE	2	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: Bay Area County: Contra Costa
 Assumes lowest mean wintertime temperature of 47 degrees F and 52% humidity.

Year	Average Speed (miles per hour)									
	5	8	11	14	17	20	23	26	29	32
2010	6.419	5.647	5.034	4.542	4.142	3.818	3.553	3.333	3.15	3
2011	5.798	5.116	4.572	4.134	3.777	3.487	3.249	3.051	2.886	2.749
2012	5.251	4.645	4.161	3.77	3.451	3.19	2.976	2.797	2.647	2.522
2013	4.757	4.22	3.79	3.44	3.154	2.92	2.728	2.566	2.43	2.316
2014	4.323	3.844	3.46	3.146	2.889	2.679	2.505	2.359	2.235	2.13
2015	3.937	3.51	3.165	2.883	2.651	2.461	2.305	2.172	2.059	1.963
2020	2.646	2.387	2.174	1.997	1.85	1.728	1.627	1.539	1.464	1.398
2025	1.949	1.77	1.621	1.496	1.392	1.306	1.233	1.17	1.115	1.067
2030	1.615	1.471	1.35	1.248	1.163	1.093	1.034	0.983	0.937	0.898
2035	1.403	1.276	1.17	1.081	1.007	0.946	0.896	0.852	0.813	0.779
2040	1.283	1.164	1.065	0.982	0.913	0.858	0.813	0.773	0.738	0.706

PEAK HOUR TURNING VOLUMES



Representative Traffic Volumes (Vehicles per Hour)

N-S Road	590	N-S Road	456
E-W Road	2,441	E-W Road	2,490
Primary Road = E-W Road		Primary Road = E-W Road	

ROADWAY CO CONTRIBUTIONS

Roadway	Reference CO Concentrations			*	Traffic Volume	*	Emission Factor	÷	
	0 Feet	25 Feet	50 Feet						
A.M. Peak Hour									
N-S Road	3.7	2.7	2.2	*	590	*	1.40	÷	100,000
E-W Road	14.0	7.6	5.7	*	2,441	*	1.40	÷	100,000
P.M. Peak Hour									
N-S Road	3.7	2.7	2.2	*	456	*	1.40	÷	100,000
E-W Road	14.0	7.6	5.7	*	2,490	*	1.40	÷	100,000

TOTAL CO CONCENTRATIONS (ppm)

	AM Peak	PM Peak	8-Hour
0 Feet from Roadway Edge	1.7	1.7	1.1
25 Feet from Roadway Edge	1.5	1.5	1.0
50 Feet from Roadway Edge	1.4	1.4	0.9

BAY AREA AQMD SIMPLIFIED CALINE4 ANALYSIS; UPDATED WITH EMFAC2007

Project Title: Montreux Residences
 Intersection: Buchanan Road and Loveridge Road
 Analysis Condition: Future w/Project
 Nearest Air Monitoring Station measuring CO: 2975 Treat Blvd, Concord
 Background 1-hour CO Concentration (ppm): 1.2
 Background 8-hour CO Concentration (ppm): 0.8
 Persistence Factor: 0.6
 Analysis Year: 2035

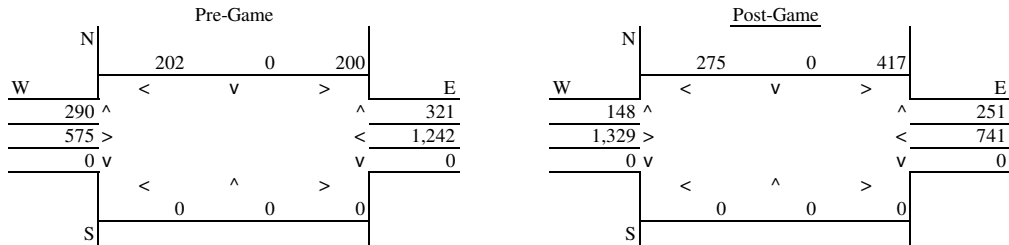
Roadway Type	No. of Lanes	Approach/Departure Speed		
		A.M.	P.M.	
North-South Roadway: Loveridge Road	AT GRADE	4	5	5
East-West Roadway: Buchanan Road	AT GRADE	2	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: Bay Area County: Contra Costa
 Assumes lowest mean wintertime temperature of 47 degrees F and 52% humidity.

Year	Average Speed (miles per hour)									
	5	8	11	14	17	20	23	26	29	32
2010	6.419	5.647	5.034	4.542	4.142	3.818	3.553	3.333	3.15	3
2011	5.798	5.116	4.572	4.134	3.777	3.487	3.249	3.051	2.886	2.749
2012	5.251	4.645	4.161	3.77	3.451	3.19	2.976	2.797	2.647	2.522
2013	4.757	4.22	3.79	3.44	3.154	2.92	2.728	2.566	2.43	2.316
2014	4.323	3.844	3.46	3.146	2.889	2.679	2.505	2.359	2.235	2.13
2015	3.937	3.51	3.165	2.883	2.651	2.461	2.305	2.172	2.059	1.963
2020	2.646	2.387	2.174	1.997	1.85	1.728	1.627	1.539	1.464	1.398
2025	1.949	1.77	1.621	1.496	1.392	1.306	1.233	1.17	1.115	1.067
2030	1.615	1.471	1.35	1.248	1.163	1.093	1.034	0.983	0.937	0.898
2035	1.403	1.276	1.17	1.081	1.007	0.946	0.896	0.852	0.813	0.779
2040	1.283	1.164	1.065	0.982	0.913	0.858	0.813	0.773	0.738	0.706

PEAK HOUR TURNING VOLUMES



Representative Traffic Volumes (Vehicles per Hour)

N-S Road	1,013	N-S Road	1,091
E-W Road	2,338	E-W Road	2,738
Primary Road =	E-W Road	Primary Road =	E-W Road

ROADWAY CO CONTRIBUTIONS

Roadway	Reference CO Concentrations			*	Traffic Volume	*	Emission Factor	÷	
	0 Feet	25 Feet	50 Feet						
A.M. Peak Hour									
N-S Road	3.3	2.6	2.2	*	1,013	*	1.40	÷	100,000
E-W Road	14.0	7.6	5.7	*	2,338	*	1.40	÷	100,000
P.M. Peak Hour									
N-S Road	3.3	2.6	2.2	*	1,091	*	1.40	÷	100,000
E-W Road	14.0	7.6	5.7	*	2,738	*	1.40	÷	100,000

TOTAL CO CONCENTRATIONS (ppm)

	AM Peak	PM Peak	8-Hour
0 Feet from Roadway Edge	1.7	1.8	1.2
25 Feet from Roadway Edge	1.5	1.5	1.0
50 Feet from Roadway Edge	1.4	1.5	1.0

BAY AREA AQMD SIMPLIFIED CALINE4 ANALYSIS; UPDATED WITH EMFAC2007

Project Title: Montreux Residences
 Intersection: Railroad Ave and Buchanan Road
 Analysis Condition: Future w/Project
 Nearest Air Monitoring Station measuring CO: 2975 Treat Blvd, Concord
 Background 1-hour CO Concentration (ppm): 1.2
 Background 8-hour CO Concentration (ppm): 0.8
 Persistence Factor: 0.6
 Analysis Year: 2035

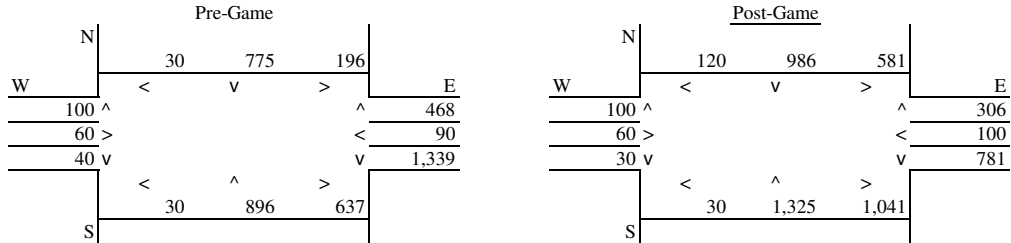
	Roadway Type	No. of Lanes	Approach/Departure Speed	
			A.M.	P.M.
North-South Roadway: Railroad Ave	AT GRADE	4	5	5
East-West Roadway: Buchanan Road	AT GRADE	2	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: Bay Area County: Contra Costa
 Assumes lowest mean wintertime temperature of 47 degrees F and 52% humidity.

Year	Average Speed (miles per hour)									
	5	8	11	14	17	20	23	26	29	32
2010	6.419	5.647	5.034	4.542	4.142	3.818	3.553	3.333	3.15	3
2011	5.798	5.116	4.572	4.134	3.777	3.487	3.249	3.051	2.886	2.749
2012	5.251	4.645	4.161	3.77	3.451	3.19	2.976	2.797	2.647	2.522
2013	4.757	4.22	3.79	3.44	3.154	2.92	2.728	2.566	2.43	2.316
2014	4.323	3.844	3.46	3.146	2.889	2.679	2.505	2.359	2.235	2.13
2015	3.937	3.51	3.165	2.883	2.651	2.461	2.305	2.172	2.059	1.963
2020	2.646	2.387	2.174	1.997	1.85	1.728	1.627	1.539	1.464	1.398
2025	1.949	1.77	1.621	1.496	1.392	1.306	1.233	1.17	1.115	1.067
2030	1.615	1.471	1.35	1.248	1.163	1.093	1.034	0.983	0.937	0.898
2035	1.403	1.276	1.17	1.081	1.007	0.946	0.896	0.852	0.813	0.779
2040	1.283	1.164	1.065	0.982	0.913	0.858	0.813	0.773	0.738	0.706

PEAK HOUR TURNING VOLUMES



Representative Traffic Volumes (Vehicles per Hour)

N-S Road	3,717	N-S Road	4,193
E-W Road	2,790	E-W Road	2,869
Primary Road =	N-S Road	Primary Road =	N-S Road

ROADWAY CO CONTRIBUTIONS

Roadway	Reference CO Concentrations			Traffic Volume	Emission Factor
	0 Feet	25 Feet	50 Feet		
A.M. Peak Hour					
N-S Road	11.9	7.0	5.4	* 3,717	* 1.40 ÷ 100,000
E-W Road	3.7	2.7	2.2	* 2,790	* 1.40 ÷ 100,000
P.M. Peak Hour					
N-S Road	11.9	7.0	5.4	* 4,193	* 1.40 ÷ 100,000
E-W Road	3.7	2.7	2.2	* 2,869	* 1.40 ÷ 100,000

TOTAL CO CONCENTRATIONS (ppm)

	AM Peak	PM Peak	8-Hour
0 Feet from Roadway Edge	2.0	2.0	1.3
25 Feet from Roadway Edge	1.7	1.7	1.1
50 Feet from Roadway Edge	1.6	1.6	1.1

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

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	45.00	Dwelling Unit	17.00	81,000.00	129

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 -

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	20.00	88.00
tblConstructionPhase	NumDays	300.00	262.00
tblConstructionPhase	NumDays	30.00	131.00
tblConstructionPhase	NumDays	20.00	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	24.75	0.00
tblFireplaces	NumberWood	20.25	0.00
tblGrading	AcresOfGrading	327.50	17.00
tblGrading	MaterialExported	0.00	96,750.00
tblGrading	MaterialImported	0.00	96,750.00
tblLandUse	LotAcreage	14.61	17.00
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
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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
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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
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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
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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
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tblVehicleEF	HHD	0.01	0.02
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tblVehicleEF	HHD	0.03	0.03
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tblVehicleEF	HHD	8.7000e-003	8.9000e-003
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tblVehicleEF	HHD	3.6530e-003	8.0000e-004
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tblVehicleEF	HHD	0.62	0.02
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tblVehicleEF	HHD	0.01	0.02
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tblVehicleEF	HHD	0.01	0.18
tblVehicleEF	HHD	0.06	0.02
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.08	0.21
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tblVehicleEF	HHD	0.01	0.16

tblVehicleEF	HHD	0.03	0.01
tblVehicleEF	HHD	8.7000e-003	8.9000e-003
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tblVehicleEF	HHD	2.2180e-003	1.8000e-003
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tblVehicleEF	LDA	0.12	0.16

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tblVehicleEF	LDA	2.9080e-003	5.6000e-003
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tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
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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
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tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	0.08	0.11
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tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	0.03	0.03
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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
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tblVehicleEF	LDT1	0.27	0.20
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.95	0.16
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tblVehicleEF	LDT1	0.02	0.01
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tblVehicleEF	LDT1	0.24	0.18
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tblVehicleEF	LDT1	0.30	0.23
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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
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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
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tblVehicleEF	LDT2	0.01	0.01
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tblVehicleEF	LDT2	0.18	0.20
tblVehicleEF	LDT2	0.15	0.23
tblVehicleEF	LDT2	0.25	0.36
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tblVehicleEF	LDT2	3.0640e-003	0.01
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tblVehicleEF	LDT2	2.8360e-003	0.01

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tblVehicleEF	LDT2	0.05	0.06
tblVehicleEF	LDT2	0.03	0.04
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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
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tblVehicleEF	LHD2	9.7000e-005	1.0000e-004
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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
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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
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tblVehicleEF	LHD2	3.02	4.29
tblVehicleEF	LHD2	4.8410e-003	6.1940e-003
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tblVehicleEF	LHD2	2.16	1.50
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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
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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
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tblVehicleEF	MH	0.02	5.4000e-003
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tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	8.4500e-004	6.0000e-004
tblVehicleEF	MH	2.17	2.51
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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
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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
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tblVehicleEF	MHD	0.00	0.01
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tblVehicleEF	MHD	1.02	1.88
tblVehicleEF	MHD	21.62	5.15
tblVehicleEF	MHD	9.7630e-003	0.01
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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
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tblVehicleEF	MHD	15.01	3.54

tblVehicleEF	MHD	9.7630e-003	0.01
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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
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tblVehicleEF	MHD	0.59	0.10
tblVehicleEF	MHD	1.03	0.24
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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

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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
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tblVehicleEF	MHD	1.02	1.88
tblVehicleEF	MHD	28.37	6.08
tblVehicleEF	MHD	9.7630e-003	0.01
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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
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tblVehicleEF	MHD	0.17	0.02
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tblVehicleEF	OBUS	2.48	0.18
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tblVehicleEF	OBUS	1.2250e-003	6.7200e-004
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tblVehicleEF	OBUS	2.73	2.30
tblVehicleEF	OBUS	1.78	1.66
tblVehicleEF	OBUS	0.01	1.3000e-003
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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
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tblVehicleEF	OBUS	6.8800e-004	2.3000e-003
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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
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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
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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
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tblVehicleEF	OBUS	1.2250e-003	6.7200e-004

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tblVehicleEF	SBUS	0.01	0.08
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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
tblWoodstoves	NumberCatalytic	1.57	0.00
tblWoodstoves	NumberNoncatalytic	1.57	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	lb/day										lb/day					
Area	2.1611	0.0434	3.7388	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.6849	6.6849	6.6200e-003	0.0000	6.8240
Energy	0.0469	0.4009	0.1706	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.7593	511.7593	9.8100e-003	9.3800e-003	514.8738
Mobile	1.7959	2.8563	14.9684	0.0314	1.9524	0.1429	2.0953	0.4979	0.1212	0.6190		2,408.8673	2,408.8673	0.1125		2,411.2287
Total	4.0039	3.3006	18.8778	0.0341	1.9524	0.1957	2.1482	0.4979	0.1740	0.6719	0.0000	2,927.3115	2,927.3115	0.1289	9.3800e-003	2,932.9265

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5430	0.0434	3.7388	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.6849	6.6849	6.6200e-003	0.0000	6.8240
Energy	0.0469	0.4009	0.1706	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.7593	511.7593	9.8100e-003	9.3800e-003	514.8738
Mobile	1.7959	2.8563	14.9684	0.0314	1.9524	0.1429	2.0953	0.4979	0.1212	0.6190		2,408.8673	2,408.8673	0.1125		2,411.2287
Total	4.3858	3.3006	18.8778	0.0341	1.9524	0.1957	2.1482	0.4979	0.1740	0.6719	0.0000	2,927.3115	2,927.3115	0.1289	9.3800e-003	2,932.9265

	ROG	NOx	CO	SO2	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	-9.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	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): 17

Acres of Paving: 0

Residential Indoor: 164,025; Residential Outdoor: 54,675; 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	24,188.00	12.40	7.30	1.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	16.00	5.00	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	3.00	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

Clean Paved 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	lb/day										lb/day					
Fugitive Dust					6.3268	0.0000	6.3268	3.3504	0.0000	3.3504			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.243 3	6,486.243 3	1.9364		6,526.908 0
Total	6.7751	79.0467	50.8400	0.0618	6.3268	3.8022	10.1289	3.3504	3.4980	6.8484		6,486.243 3	6,486.243 3	1.9364		6,526.908 0

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2200	7.4040	27.7909	0.0106	271.7953	0.0630	271.8582	27.1309	0.0576	27.1885		1,033.208 6	1,033.208 6	0.0154		1,033.532 9
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3756	0.1100	1.3181	2.3500e-003	0.1886	1.5700e-003	0.1902	0.0500	1.4400e-003	0.0515		204.3884	204.3884	0.0110		204.6195
Total	2.5956	7.5141	29.1090	0.0129	271.9839	0.0645	272.0484	27.1809	0.0590	27.2399		1,237.597 0	1,237.597 0	0.0264		1,238.152 4

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	lb/day										lb/day					
Fugitive Dust					2.4674	0.0000	2.4674	1.3067	0.0000	1.3067			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980	0.0000	6,486.2433	6,486.2433	1.9364		6,526.9080
Total	6.7751	79.0467	50.8400	0.0618	2.4674	3.8022	6.2696	1.3067	3.4980	4.8047	0.0000	6,486.2433	6,486.2433	1.9364		6,526.9080

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2200	7.4040	27.7909	0.0106	166.4306	0.0630	166.4936	16.5944	0.0576	16.6520		1,033.2086	1,033.2086	0.0154		1,033.5329
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3756	0.1100	1.3181	2.3500e-003	0.1886	1.5700e-003	0.1902	0.0500	1.4400e-003	0.0515		204.3884	204.3884	0.0110		204.6195
Total	2.5956	7.5141	29.1090	0.0129	166.6192	0.0645	166.6837	16.6444	0.0590	16.7034		1,237.5970	1,237.5970	0.0264		1,238.1524

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	lb/day										lb/day					
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.577 1	2,689.577 1	0.6748		2,703.748 3
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.577 1	2,689.577 1	0.6748		2,703.748 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1278	0.5568	0.6163	1.1900e-003	0.0332	9.2000e-003	0.0424	9.4600e-003	8.4600e-003	0.0179		120.5751	120.5751	1.0700e-003		120.5975
Worker	0.3005	0.0880	1.0545	1.8800e-003	0.1509	1.2600e-003	0.1521	0.0400	1.1500e-003	0.0412		163.5107	163.5107	8.8000e-003		163.6956
Total	0.4282	0.6449	1.6708	3.0700e-003	0.1840	0.0105	0.1945	0.0495	9.6100e-003	0.0591		284.0859	284.0859	9.8700e-003		284.2931

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	lb/day										lb/day					
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904	0.0000	2,689.577 1	2,689.577 1	0.6748		2,703.748 3
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904	0.0000	2,689.577 1	2,689.577 1	0.6748		2,703.748 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1278	0.5568	0.6163	1.1900e-003	0.0332	9.2000e-003	0.0424	9.4600e-003	8.4600e-003	0.0179		120.5751	120.5751	1.0700e-003		120.5975
Worker	0.3005	0.0880	1.0545	1.8800e-003	0.1509	1.2600e-003	0.1521	0.0400	1.1500e-003	0.0412		163.5107	163.5107	8.8000e-003		163.6956
Total	0.4282	0.6449	1.6708	3.0700e-003	0.1840	0.0105	0.1945	0.0495	9.6100e-003	0.0591		284.0859	284.0859	9.8700e-003		284.2931

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	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1130	0.4845	0.5581	1.1900e-003	0.0332	7.3600e-003	0.0405	9.4600e-003	6.7700e-003	0.0162		119.1684	119.1684	9.4000e-004		119.1882
Worker	0.2782	0.0790	0.9466	1.8800e-003	0.1509	1.1900e-003	0.1521	0.0400	1.0900e-003	0.0411		157.9367	157.9367	8.0300e-003		158.1054
Total	0.3912	0.5635	1.5047	3.0700e-003	0.1841	8.5500e-003	0.1926	0.0495	7.8600e-003	0.0573		277.1051	277.1051	8.9700e-003		277.2936

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	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1130	0.4845	0.5581	1.1900e-003	0.0332	7.3600e-003	0.0405	9.4600e-003	6.7700e-003	0.0162		119.1684	119.1684	9.4000e-004		119.1882
Worker	0.2782	0.0790	0.9466	1.8800e-003	0.1509	1.1900e-003	0.1521	0.0400	1.0900e-003	0.0411		157.9367	157.9367	8.0300e-003		158.1054
Total	0.3912	0.5635	1.5047	3.0700e-003	0.1841	8.5500e-003	0.1926	0.0495	7.8600e-003	0.0573		277.1051	277.1051	8.9700e-003		277.2936

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	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986		2,354.5681
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986		2,354.5681

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2817	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646
Total	0.2817	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646

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	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016	0.0000	2,339.898 4	2,339.898 4	0.6986		2,354.568 1
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016	0.0000	2,339.898 4	2,339.898 4	0.6986		2,354.568 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2817	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646
Total	0.2817	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646

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	lb/day										lb/day					
Archit. Coating	28.7976					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	29.1660	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0522	0.0148	0.1775	3.5000e-004	0.0283	2.2000e-004	0.0285	7.5000e-003	2.0000e-004	7.7100e-003		29.6131	29.6131	1.5100e-003		29.6448
Total	0.0522	0.0148	0.1775	3.5000e-004	0.0283	2.2000e-004	0.0285	7.5000e-003	2.0000e-004	7.7100e-003		29.6131	29.6131	1.5100e-003		29.6448

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	lb/day										lb/day					
Archit. Coating	28.7976					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
Total	29.1660	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0522	0.0148	0.1775	3.5000e-004	0.0283	2.2000e-004	0.0285	7.5000e-003	2.0000e-004	7.7100e-003		29.6131	29.6131	1.5100e-003		29.6448
Total	0.0522	0.0148	0.1775	3.5000e-004	0.0283	2.2000e-004	0.0285	7.5000e-003	2.0000e-004	7.7100e-003		29.6131	29.6131	1.5100e-003		29.6448

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7959	2.8563	14.9684	0.0314	1.9524	0.1429	2.0953	0.4979	0.1212	0.6190		2,408.8673	2,408.8673	0.1125		2,411.2287
Unmitigated	1.7959	2.8563	14.9684	0.0314	1.9524	0.1429	2.0953	0.4979	0.1212	0.6190		2,408.8673	2,408.8673	0.1125		2,411.2287

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	430.65	453.60	394.65	957,207	957,207
Total	430.65	453.60	394.65	957,207	957,207

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	lb/day										lb/day					
NaturalGas Mitigated	0.0469	0.4009	0.1706	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.7593	511.7593	9.8100e-003	9.3800e-003	514.8738
NaturalGas Unmitigated	0.0469	0.4009	0.1706	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.7593	511.7593	9.8100e-003	9.3800e-003	514.8738

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	4349.95	0.0469	0.4009	0.1706	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.7593	511.7593	9.8100e-003	9.3800e-003	514.8738
Total		0.0469	0.4009	0.1706	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.7593	511.7593	9.8100e-003	9.3800e-003	514.8738

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	lb/day										lb/day					
Single Family Housing	4.34995	0.0469	0.4009	0.1706	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.7593	511.7593	9.8100e-003	9.3800e-003	514.8738
Total		0.0469	0.4009	0.1706	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.7593	511.7593	9.8100e-003	9.3800e-003	514.8738

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5430	0.0434	3.7388	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.6849	6.6849	6.6200e-003	0.0000	6.8240
Unmitigated	2.1611	0.0434	3.7388	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.6849	6.6849	6.6200e-003	0.0000	6.8240

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3124					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7334					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	0.1153	0.0434	3.7388	2.0000e-004		0.0204	0.0204		0.0204	0.0204		6.6849	6.6849	6.6200e-003		6.8240
Total	2.1611	0.0434	3.7388	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.6849	6.6849	6.6200e-003	0.0000	6.8240

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	lb/day										lb/day					
Architectural Coating	0.6943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7334					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	0.1153	0.0434	3.7388	2.0000e-004		0.0204	0.0204		0.0204	0.0204		6.6849	6.6849	6.6200e-003		6.8240
Total	2.5430	0.0434	3.7388	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.6849	6.6849	6.6200e-003	0.0000	6.8240

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	45.00	Dwelling Unit	17.00	81,000.00	129

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 -

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	20.00	88.00
tblConstructionPhase	NumDays	300.00	262.00
tblConstructionPhase	NumDays	30.00	131.00
tblConstructionPhase	NumDays	20.00	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	24.75	0.00
tblFireplaces	NumberWood	20.25	0.00
tblGrading	AcresOfGrading	327.50	17.00
tblGrading	MaterialExported	0.00	96,750.00
tblGrading	MaterialImported	0.00	96,750.00
tblLandUse	LotAcreage	14.61	17.00
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
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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
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tblVehicleEF	HHD	0.01	0.18
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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
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tblVehicleEF	HHD	0.68	0.02
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tblVehicleEF	HHD	0.15	0.02
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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tblVehicleEF	LDT2	0.01	0.01
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tblVehicleEF	LDT2	0.18	0.20
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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
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tblVehicleEF	LDT2	2.8360e-003	0.01

tblVehicleEF	LDT2	0.05	0.07
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tblVehicleEF	LDT2	0.20	0.30
tblVehicleEF	LDT2	4.6290e-003	4.7000e-003
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tblVehicleEF	LDT2	0.05	0.07
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tblVehicleEF	LDT2	0.04	0.06
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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
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tblVehicleEF	LDT2	0.13	0.21
tblVehicleEF	LDT2	0.17	0.21
tblVehicleEF	LDT2	0.12	0.15
tblVehicleEF	LDT2	0.04	0.07
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tblVehicleEF	LDT2	1.6990e-003	0.03
tblVehicleEF	LDT2	3.0640e-003	0.01
tblVehicleEF	LDT2	0.02	5.4000e-003
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tblVehicleEF	LDT2	0.02	0.05
tblVehicleEF	LDT2	0.15	0.19

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tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.57	0.16
tblVehicleEF	LDT2	0.24	0.33
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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
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tblVehicleEF	LDT2	0.26	0.36
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tblVehicleEF	LHD1	0.02	0.01
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tblVehicleEF	LHD1	0.04	0.01
tblVehicleEF	LHD1	0.06	0.02
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tblVehicleEF	LHD1	6.7200e-004	2.0000e-004
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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

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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
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tblVehicleEF	LHD1	0.41	0.22
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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
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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
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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
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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

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tblVehicleEF	MCY	1.43	0.33
tblVehicleEF	MCY	2.28	2.26
tblVehicleEF	MCY	2.1340e-003	2.2000e-003
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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
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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
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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
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tblVehicleEF	MCY	0.02	2.7000e-003
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tblVehicleEF	MCY	0.10	0.51

tblVehicleEF	MCY	0.45	0.41
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tblVehicleEF	MCY	0.45	0.41
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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
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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
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tblVehicleEF	MDV	2.0400e-003	0.03
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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
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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

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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

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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
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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
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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

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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
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tblVehicleEF	OBUS	0.01	1.3000e-003
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tblVehicleEF	OBUS	0.03	0.08
tblVehicleEF	OBUS	7.6000e-004	2.5000e-003
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tblVehicleEF	OBUS	0.03	5.4000e-003
tblVehicleEF	OBUS	2.4300e-003	3.0000e-003
tblVehicleEF	OBUS	0.03	0.07
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tblVehicleEF	OBUS	0.46	0.02
tblVehicleEF	OBUS	1.5100e-004	2.0000e-004
tblVehicleEF	OBUS	0.17	0.20
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tblVehicleEF	OBUS	5.1970e-003	1.0000e-004
tblVehicleEF	OBUS	9.8940e-003	0.01
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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
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tblVehicleEF	SBUS	0.00	4.6000e-003
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tblVehicleEF	SBUS	1.24	2.57
tblVehicleEF	SBUS	23.19	1.07
tblVehicleEF	SBUS	2.0590e-003	4.2240e-003
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tblVehicleEF	SBUS	1.7400e-003	1.0000e-004
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tblVehicleEF	SBUS	1.19	5.6970e-003
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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
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tblVehicleEF	SBUS	0.05	0.28
tblVehicleEF	SBUS	3.6110e-003	4.0000e-004
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tblVehicleEF	SBUS	0.09	0.58
tblVehicleEF	SBUS	0.02	6.0000e-004
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tblVehicleEF	SBUS	1.05	5.0090e-003
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tblVehicleEF	SBUS	0.05	2.0000e-003
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tblVehicleEF	SBUS	0.21	0.31
tblVehicleEF	SBUS	1.05	5.0090e-003

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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
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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
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tblVehicleEF	SBUS	1.8170e-003	1.0000e-004
tblVehicleEF	SBUS	5.0240e-003	6.0000e-004
tblVehicleEF	SBUS	0.19	8.0000e-003
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tblVehicleEF	SBUS	1.47	7.1140e-003
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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

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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
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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
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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
tblWoodstoves	NumberCatalytic	1.57	0.00
tblWoodstoves	NumberNoncatalytic	1.57	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	lb/day										lb/day					
Area	2.1611	0.0434	3.7388	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.6849	6.6849	6.6200e-003	0.0000	6.8240
Energy	0.0469	0.4009	0.1706	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.7593	511.7593	9.8100e-003	9.3800e-003	514.8738
Mobile	1.7959	2.8563	14.9684	0.0314	1.9524	0.1429	2.0953	0.4979	0.1212	0.6190		2,408.8673	2,408.8673	0.1125		2,411.2287
Total	4.0039	3.3006	18.8778	0.0341	1.9524	0.1957	2.1482	0.4979	0.1740	0.6719	0.0000	2,927.3115	2,927.3115	0.1289	9.3800e-003	2,932.9265

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5430	0.0434	3.7388	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.6849	6.6849	6.6200e-003	0.0000	6.8240
Energy	0.0469	0.4009	0.1706	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.7593	511.7593	9.8100e-003	9.3800e-003	514.8738
Mobile	1.7959	2.8563	14.9684	0.0314	1.9524	0.1429	2.0953	0.4979	0.1212	0.6190		2,408.8673	2,408.8673	0.1125		2,411.2287
Total	4.3858	3.3006	18.8778	0.0341	1.9524	0.1957	2.1482	0.4979	0.1740	0.6719	0.0000	2,927.3115	2,927.3115	0.1289	9.3800e-003	2,932.9265

	ROG	NOx	CO	SO2	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	-9.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	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): 17

Acres of Paving: 0

Residential Indoor: 164,025; Residential Outdoor: 54,675; 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	24,188.00	12.40	7.30	1.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	16.00	5.00	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	3.00	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

Clean Paved 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	lb/day										lb/day					
Fugitive Dust					6.3268	0.0000	6.3268	3.3504	0.0000	3.3504			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.243 3	6,486.243 3	1.9364		6,526.908 0
Total	6.7751	79.0467	50.8400	0.0618	6.3268	3.8022	10.1289	3.3504	3.4980	6.8484		6,486.243 3	6,486.243 3	1.9364		6,526.908 0

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2200	7.4040	27.7909	0.0106	271.7953	0.0630	271.8582	27.1309	0.0576	27.1885		1,033.208 6	1,033.208 6	0.0154		1,033.532 9
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3756	0.1100	1.3181	2.3500e-003	0.1886	1.5700e-003	0.1902	0.0500	1.4400e-003	0.0515		204.3884	204.3884	0.0110		204.6195
Total	2.5956	7.5141	29.1090	0.0129	271.9839	0.0645	272.0484	27.1809	0.0590	27.2399		1,237.597 0	1,237.597 0	0.0264		1,238.152 4

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	lb/day										lb/day					
Fugitive Dust					2.4674	0.0000	2.4674	1.3067	0.0000	1.3067			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980	0.0000	6,486.2433	6,486.2433	1.9364		6,526.9080
Total	6.7751	79.0467	50.8400	0.0618	2.4674	3.8022	6.2696	1.3067	3.4980	4.8047	0.0000	6,486.2433	6,486.2433	1.9364		6,526.9080

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2200	7.4040	27.7909	0.0106	166.4306	0.0630	166.4936	16.5944	0.0576	16.6520		1,033.2086	1,033.2086	0.0154		1,033.5329
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3756	0.1100	1.3181	2.3500e-003	0.1886	1.5700e-003	0.1902	0.0500	1.4400e-003	0.0515		204.3884	204.3884	0.0110		204.6195
Total	2.5956	7.5141	29.1090	0.0129	166.6192	0.0645	166.6837	16.6444	0.0590	16.7034		1,237.5970	1,237.5970	0.0264		1,238.1524

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	lb/day										lb/day					
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.577 1	2,689.577 1	0.6748		2,703.748 3
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.577 1	2,689.577 1	0.6748		2,703.748 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1278	0.5568	0.6163	1.1900e-003	0.0332	9.2000e-003	0.0424	9.4600e-003	8.4600e-003	0.0179		120.5751	120.5751	1.0700e-003		120.5975
Worker	0.3005	0.0880	1.0545	1.8800e-003	0.1509	1.2600e-003	0.1521	0.0400	1.1500e-003	0.0412		163.5107	163.5107	8.8000e-003		163.6956
Total	0.4282	0.6449	1.6708	3.0700e-003	0.1840	0.0105	0.1945	0.0495	9.6100e-003	0.0591		284.0859	284.0859	9.8700e-003		284.2931

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	lb/day										lb/day					
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904	0.0000	2,689.577 1	2,689.577 1	0.6748		2,703.748 3
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904	0.0000	2,689.577 1	2,689.577 1	0.6748		2,703.748 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1278	0.5568	0.6163	1.1900e-003	0.0332	9.2000e-003	0.0424	9.4600e-003	8.4600e-003	0.0179		120.5751	120.5751	1.0700e-003		120.5975
Worker	0.3005	0.0880	1.0545	1.8800e-003	0.1509	1.2600e-003	0.1521	0.0400	1.1500e-003	0.0412		163.5107	163.5107	8.8000e-003		163.6956
Total	0.4282	0.6449	1.6708	3.0700e-003	0.1840	0.0105	0.1945	0.0495	9.6100e-003	0.0591		284.0859	284.0859	9.8700e-003		284.2931

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	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1130	0.4845	0.5581	1.1900e-003	0.0332	7.3600e-003	0.0405	9.4600e-003	6.7700e-003	0.0162		119.1684	119.1684	9.4000e-004		119.1882
Worker	0.2782	0.0790	0.9466	1.8800e-003	0.1509	1.1900e-003	0.1521	0.0400	1.0900e-003	0.0411		157.9367	157.9367	8.0300e-003		158.1054
Total	0.3912	0.5635	1.5047	3.0700e-003	0.1841	8.5500e-003	0.1926	0.0495	7.8600e-003	0.0573		277.1051	277.1051	8.9700e-003		277.2936

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	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1130	0.4845	0.5581	1.1900e-003	0.0332	7.3600e-003	0.0405	9.4600e-003	6.7700e-003	0.0162		119.1684	119.1684	9.4000e-004		119.1882
Worker	0.2782	0.0790	0.9466	1.8800e-003	0.1509	1.1900e-003	0.1521	0.0400	1.0900e-003	0.0411		157.9367	157.9367	8.0300e-003		158.1054
Total	0.3912	0.5635	1.5047	3.0700e-003	0.1841	8.5500e-003	0.1926	0.0495	7.8600e-003	0.0573		277.1051	277.1051	8.9700e-003		277.2936

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	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986		2,354.5681
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986		2,354.5681

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2817	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646
Total	0.2817	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646

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	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016	0.0000	2,339.898 4	2,339.898 4	0.6986		2,354.568 1
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016	0.0000	2,339.898 4	2,339.898 4	0.6986		2,354.568 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2817	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646
Total	0.2817	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646

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	lb/day										lb/day					
Archit. Coating	28.7976					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	29.1660	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0522	0.0148	0.1775	3.5000e-004	0.0283	2.2000e-004	0.0285	7.5000e-003	2.0000e-004	7.7100e-003		29.6131	29.6131	1.5100e-003		29.6448
Total	0.0522	0.0148	0.1775	3.5000e-004	0.0283	2.2000e-004	0.0285	7.5000e-003	2.0000e-004	7.7100e-003		29.6131	29.6131	1.5100e-003		29.6448

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	lb/day										lb/day					
Archit. Coating	28.7976					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
Total	29.1660	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0522	0.0148	0.1775	3.5000e-004	0.0283	2.2000e-004	0.0285	7.5000e-003	2.0000e-004	7.7100e-003		29.6131	29.6131	1.5100e-003		29.6448
Total	0.0522	0.0148	0.1775	3.5000e-004	0.0283	2.2000e-004	0.0285	7.5000e-003	2.0000e-004	7.7100e-003		29.6131	29.6131	1.5100e-003		29.6448

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7959	2.8563	14.9684	0.0314	1.9524	0.1429	2.0953	0.4979	0.1212	0.6190		2,408.8673	2,408.8673	0.1125		2,411.2287
Unmitigated	1.7959	2.8563	14.9684	0.0314	1.9524	0.1429	2.0953	0.4979	0.1212	0.6190		2,408.8673	2,408.8673	0.1125		2,411.2287

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	430.65	453.60	394.65	957,207	957,207
Total	430.65	453.60	394.65	957,207	957,207

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	lb/day										lb/day					
NaturalGas Mitigated	0.0469	0.4009	0.1706	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.7593	511.7593	9.8100e-003	9.3800e-003	514.8738
NaturalGas Unmitigated	0.0469	0.4009	0.1706	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.7593	511.7593	9.8100e-003	9.3800e-003	514.8738

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	4349.95	0.0469	0.4009	0.1706	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.7593	511.7593	9.8100e-003	9.3800e-003	514.8738
Total		0.0469	0.4009	0.1706	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.7593	511.7593	9.8100e-003	9.3800e-003	514.8738

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	lb/day										lb/day					
Single Family Housing	4.34995	0.0469	0.4009	0.1706	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.7593	511.7593	9.8100e-003	9.3800e-003	514.8738
Total		0.0469	0.4009	0.1706	2.5600e-003		0.0324	0.0324		0.0324	0.0324		511.7593	511.7593	9.8100e-003	9.3800e-003	514.8738

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5430	0.0434	3.7388	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.6849	6.6849	6.6200e-003	0.0000	6.8240
Unmitigated	2.1611	0.0434	3.7388	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.6849	6.6849	6.6200e-003	0.0000	6.8240

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3124					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7334					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	0.1153	0.0434	3.7388	2.0000e-004		0.0204	0.0204		0.0204	0.0204		6.6849	6.6849	6.6200e-003		6.8240
Total	2.1611	0.0434	3.7388	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.6849	6.6849	6.6200e-003	0.0000	6.8240

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	lb/day										lb/day					
Architectural Coating	0.6943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7334					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	0.1153	0.0434	3.7388	2.0000e-004		0.0204	0.0204		0.0204	0.0204		6.6849	6.6849	6.6200e-003		6.8240
Total	2.5430	0.0434	3.7388	2.0000e-004		0.0204	0.0204		0.0204	0.0204	0.0000	6.6849	6.6849	6.6200e-003	0.0000	6.8240

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	67.00	Dwelling Unit	21.75	120,600.00	192

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 - 67 SFH, 21.75 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.

21.75 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 -

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	20.00	88.00
tblConstructionPhase	NumDays	370.00	262.00
tblConstructionPhase	NumDays	35.00	131.00
tblConstructionPhase	NumDays	20.00	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	36.85	0.00
tblFireplaces	NumberWood	30.15	0.00
tblGrading	AcresOfGrading	327.50	21.75
tblGrading	MaterialExported	0.00	123,780.00
tblGrading	MaterialImported	0.00	123,780.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.011
tblProjectCharacteristics	OperationalYear	2014	2018
tblTripsAndVMT	HaulingTripLength	20.00	1.00
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tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	0.00	0.09
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tblVehicleEF	HHD	0.02	0.02

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tblVehicleEF	HHD	0.03	0.03
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tblVehicleEF	HHD	2.2180e-003	1.8000e-003
tblVehicleEF	HHD	2.0600e-003	8.0000e-004
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tblVehicleEF	HHD	0.28	0.61

tblVehicleEF	HHD	0.62	0.02
tblVehicleEF	HHD	2.95	1.72
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.08	0.21
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tblVehicleEF	HHD	8.7000e-003	8.9000e-003
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.08	0.21
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tblVehicleEF	HHD	0.03	0.01

tblVehicleEF	HHD	8.7000e-003	8.9000e-003
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tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.25	0.06
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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
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tblVehicleEF	LDA	3.1440e-003	6.0000e-003
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tblVehicleEF	LDA	2.9080e-003	5.6000e-003
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tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.24	0.06
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tblVehicleEF	LDA	0.13	0.17
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	0.03	0.04
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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
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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
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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
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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
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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
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tblVehicleEF	MH	2.0520e-003	2.6920e-003
tblVehicleEF	MH	1.62	1.26
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tblVehicleEF	MH	0.05	0.01
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tblVehicleEF	MH	0.78	0.60

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tblVehicleEF	MH	1.86	0.02
tblVehicleEF	MH	0.35	0.37
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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
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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
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tblVehicleEF	MHD	2.03	0.55
tblVehicleEF	MHD	0.02	2.2000e-003
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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
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tblVehicleEF	MHD	2.3780e-003	9.0000e-004
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tblVehicleEF	MHD	0.16	0.02
tblVehicleEF	MHD	1.3690e-003	2.0000e-004
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tblVehicleEF	MHD	0.60	0.10
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	9.6100e-004	2.0000e-004
tblVehicleEF	MHD	2.4690e-003	5.0000e-004
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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

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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
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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
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tblVehicleEF	MHD	1.02	1.88
tblVehicleEF	MHD	28.37	6.08
tblVehicleEF	MHD	9.7630e-003	0.01
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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
tblWoodstoves	NumberCatalytic	2.35	0.00
tblWoodstoves	NumberNoncatalytic	2.35	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	lb/day										lb/day					
Area	3.2176	0.0646	5.5667	2.9000e-004		0.0304	0.0304		0.0304	0.0304	0.0000	9.9530	9.9530	9.8600e-003	0.0000	10.1601
Energy	0.0699	0.5969	0.2540	3.8100e-003		0.0483	0.0483		0.0483	0.0483		761.9527	761.9527	0.0146	0.0140	766.5898
Mobile	2.6739	4.2528	22.2863	0.0467	2.9070	0.2128	3.1197	0.7413	0.1804	0.9217		3,586.5358	3,586.5358	0.1674		3,590.0517
Total	5.9614	4.9142	28.1070	0.0508	2.9070	0.2914	3.1984	0.7413	0.2590	1.0003	0.0000	4,358.4415	4,358.4415	0.1919	0.0140	4,366.8016

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.7862	0.0646	5.5667	2.9000e-004		0.0304	0.0304		0.0304	0.0304	0.0000	9.9530	9.9530	9.8600e-003	0.0000	10.1601
Energy	0.0699	0.5969	0.2540	3.8100e-003		0.0483	0.0483		0.0483	0.0483		761.9527	761.9527	0.0146	0.0140	766.5898
Mobile	2.6739	4.2528	22.2863	0.0467	2.9070	0.2128	3.1197	0.7413	0.1804	0.9217		3,586.5358	3,586.5358	0.1674		3,590.0517
Total	6.5299	4.9142	28.1070	0.0508	2.9070	0.2914	3.1984	0.7413	0.2590	1.0003	0.0000	4,358.4415	4,358.4415	0.1919	0.0140	4,366.8016

	ROG	NOx	CO	SO2	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	-9.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	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): 21.75

Acres of Paving: 0

Residential Indoor: 244,215; Residential Outdoor: 81,405; 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	30,945.00	12.40	7.30	1.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	24.00	7.00	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	5.00	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

Clean Paved 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	lb/day										lb/day					
Fugitive Dust					6.4119	0.0000	6.4119	3.3616	0.0000	3.3616			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.243 3	6,486.243 3	1.9364		6,526.908 0
Total	6.7751	79.0467	50.8400	0.0618	6.4119	3.8022	10.2141	3.3616	3.4980	6.8596		6,486.243 3	6,486.243 3	1.9364		6,526.908 0

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8402	9.4724	35.5544	0.0135	347.7222	0.0806	347.8027	34.7100	0.0737	34.7836		1,321.839 0	1,321.839 0	0.0198		1,322.253 9
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3756	0.1100	1.3181	2.3500e-003	0.1886	1.5700e-003	0.1902	0.0500	1.4400e-003	0.0515		204.3884	204.3884	0.0110		204.6195
Total	3.2157	9.5824	36.8725	0.0159	347.9108	0.0821	347.9929	34.7600	0.0751	34.8351		1,526.227 4	1,526.227 4	0.0308		1,526.873 3

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	lb/day										lb/day					
Fugitive Dust					2.5006	0.0000	2.5006	1.3110	0.0000	1.3110			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980	0.0000	6,486.243 3	6,486.243 3	1.9364		6,526.908 0
Total	6.7751	79.0467	50.8400	0.0618	2.5006	3.8022	6.3028	1.3110	3.4980	4.8090	0.0000	6,486.243 3	6,486.243 3	1.9364		6,526.908 0

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8402	9.4724	35.5544	0.0135	212.9236	0.0806	213.0041	21.2301	0.0737	21.3038		1,321.839 0	1,321.839 0	0.0198		1,322.253 9
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3756	0.1100	1.3181	2.3500e-003	0.1886	1.5700e-003	0.1902	0.0500	1.4400e-003	0.0515		204.3884	204.3884	0.0110		204.6195
Total	3.2157	9.5824	36.8725	0.0159	213.1122	0.0821	213.1943	21.2801	0.0751	21.3552		1,526.227 4	1,526.227 4	0.0308		1,526.873 3

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	lb/day										lb/day					
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.577 1	2,689.577 1	0.6748		2,703.748 3
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.577 1	2,689.577 1	0.6748		2,703.748 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1789	0.7796	0.8628	1.6700e-003	0.0464	0.0129	0.0593	0.0132	0.0118	0.0251		168.8052	168.8052	1.4900e-003		168.8365
Worker	0.4507	0.1321	1.5817	2.8200e-003	0.2263	1.8900e-003	0.2282	0.0600	1.7200e-003	0.0618		245.2661	245.2661	0.0132		245.5433
Total	0.6296	0.9116	2.4445	4.4900e-003	0.2728	0.0148	0.2875	0.0733	0.0136	0.0868		414.0713	414.0713	0.0147		414.3799

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	lb/day										lb/day					
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904	0.0000	2,689.577 1	2,689.577 1	0.6748		2,703.748 3
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904	0.0000	2,689.577 1	2,689.577 1	0.6748		2,703.748 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1789	0.7796	0.8628	1.6700e-003	0.0464	0.0129	0.0593	0.0132	0.0118	0.0251		168.8052	168.8052	1.4900e-003		168.8365
Worker	0.4507	0.1321	1.5817	2.8200e-003	0.2263	1.8900e-003	0.2282	0.0600	1.7200e-003	0.0618		245.2661	245.2661	0.0132		245.5433
Total	0.6296	0.9116	2.4445	4.4900e-003	0.2728	0.0148	0.2875	0.0733	0.0136	0.0868		414.0713	414.0713	0.0147		414.3799

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	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1582	0.6783	0.7814	1.6600e-003	0.0464	0.0103	0.0567	0.0132	9.4700e-003	0.0227		166.8358	166.8358	1.3200e-003		166.8634
Worker	0.4173	0.1185	1.4199	2.8200e-003	0.2263	1.7800e-003	0.2281	0.0600	1.6300e-003	0.0617		236.9051	236.9051	0.0121		237.1581
Total	0.5755	0.7967	2.2013	4.4800e-003	0.2728	0.0121	0.2849	0.0733	0.0111	0.0844		403.7409	403.7409	0.0134		404.0216

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	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1582	0.6783	0.7814	1.6600e-003	0.0464	0.0103	0.0567	0.0132	9.4700e-003	0.0227		166.8358	166.8358	1.3200e-003		166.8634
Worker	0.4173	0.1185	1.4199	2.8200e-003	0.2263	1.7800e-003	0.2281	0.0600	1.6300e-003	0.0617		236.9051	236.9051	0.0121		237.1581
Total	0.5755	0.7967	2.2013	4.4800e-003	0.2728	0.0121	0.2849	0.0733	0.0111	0.0844		403.7409	403.7409	0.0134		404.0216

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	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986		2,354.5681
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986		2,354.5681

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2817	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646
Total	0.2817	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646

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	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016	0.0000	2,339.8984	2,339.8984	0.6986		2,354.5681
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016	0.0000	2,339.8984	2,339.8984	0.6986		2,354.5681

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2817	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646
Total	0.2817	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646

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	lb/day										lb/day					
Archit. Coating	42.8764					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	43.2448	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0869	0.0247	0.2958	5.9000e-004	0.0472	3.7000e-004	0.0475	0.0125	3.4000e-004	0.0129		49.3552	49.3552	2.5100e-003		49.4080
Total	0.0869	0.0247	0.2958	5.9000e-004	0.0472	3.7000e-004	0.0475	0.0125	3.4000e-004	0.0129		49.3552	49.3552	2.5100e-003		49.4080

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	lb/day										lb/day					
Archit. Coating	42.8764					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
Total	43.2448	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0869	0.0247	0.2958	5.9000e-004	0.0472	3.7000e-004	0.0475	0.0125	3.4000e-004	0.0129		49.3552	49.3552	2.5100e-003		49.4080
Total	0.0869	0.0247	0.2958	5.9000e-004	0.0472	3.7000e-004	0.0475	0.0125	3.4000e-004	0.0129		49.3552	49.3552	2.5100e-003		49.4080

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.6739	4.2528	22.2863	0.0467	2.9070	0.2128	3.1197	0.7413	0.1804	0.9217		3,586.5358	3,586.5358	0.1674		3,590.0517
Unmitigated	2.6739	4.2528	22.2863	0.0467	2.9070	0.2128	3.1197	0.7413	0.1804	0.9217		3,586.5358	3,586.5358	0.1674		3,590.0517

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	641.19	675.36	587.59	1,425,174	1,425,174
Total	641.19	675.36	587.59	1,425,174	1,425,174

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	lb/day										lb/day					
NaturalGas Mitigated	0.0699	0.5969	0.2540	3.8100e-003		0.0483	0.0483		0.0483	0.0483		761.9527	761.9527	0.0146	0.0140	766.5898
NaturalGas Unmitigated	0.0699	0.5969	0.2540	3.8100e-003		0.0483	0.0483		0.0483	0.0483		761.9527	761.9527	0.0146	0.0140	766.5898

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	6476.6	0.0699	0.5969	0.2540	3.8100e-003		0.0483	0.0483		0.0483	0.0483		761.9527	761.9527	0.0146	0.0140	766.5898
Total		0.0699	0.5969	0.2540	3.8100e-003		0.0483	0.0483		0.0483	0.0483		761.9527	761.9527	0.0146	0.0140	766.5898

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	lb/day										lb/day					
Single Family Housing	6.4766	0.0699	0.5969	0.2540	3.8100e-003		0.0483	0.0483		0.0483	0.0483		761.9527	761.9527	0.0146	0.0140	766.5898
Total		0.0699	0.5969	0.2540	3.8100e-003		0.0483	0.0483		0.0483	0.0483		761.9527	761.9527	0.0146	0.0140	766.5898

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.7862	0.0646	5.5667	2.9000e-004		0.0304	0.0304		0.0304	0.0304	0.0000	9.9530	9.9530	9.8600e-003	0.0000	10.1601
Unmitigated	3.2176	0.0646	5.5667	2.9000e-004		0.0304	0.0304		0.0304	0.0304	0.0000	9.9530	9.9530	9.8600e-003	0.0000	10.1601

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4652					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.5808					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	0.1716	0.0646	5.5667	2.9000e-004		0.0304	0.0304		0.0304	0.0304		9.9530	9.9530	9.8600e-003		10.1601
Total	3.2176	0.0646	5.5667	2.9000e-004		0.0304	0.0304		0.0304	0.0304	0.0000	9.9530	9.9530	9.8600e-003	0.0000	10.1601

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	lb/day										lb/day					
Architectural Coating	1.0337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.5808					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	0.1716	0.0646	5.5667	2.9000e-004		0.0304	0.0304		0.0304	0.0304		9.9530	9.9530	9.8600e-003		10.1601
Total	3.7862	0.0646	5.5667	2.9000e-004		0.0304	0.0304		0.0304	0.0304	0.0000	9.9530	9.9530	9.8600e-003	0.0000	10.1601

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	83.00	Dwelling Unit	29.00	149,400.00	237

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 - 83 SFH, 29 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.

29 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 -

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	440.00	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	45.65	0.00
tblFireplaces	NumberWood	37.35	0.00
tblGrading	AcresOfGrading	327.50	29.00
tblGrading	MaterialExported	0.00	166,463.00
tblGrading	MaterialImported	0.00	166,463.00
tblLandUse	LotAcreage	26.95	29.00
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

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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
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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
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tblVehicleEF	HHD	0.02	0.01
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tblVehicleEF	HHD	2.0600e-003	8.0000e-004
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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
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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
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tblVehicleEF	HHD	0.03	0.01
tblVehicleEF	HHD	8.7000e-003	8.9000e-003
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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
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tblVehicleEF	HHD	0.01	0.02
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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
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tblVehicleEF	HHD	6.1000e-004	6.0000e-004
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tblVehicleEF	HHD	4.5300e-004	2.0000e-004
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tblVehicleEF	LDA	0.09	0.10
tblVehicleEF	LDA	0.12	0.16

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tblVehicleEF	LDA	1.6160e-003	0.01
tblVehicleEF	LDA	2.9080e-003	5.6000e-003
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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
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tblVehicleEF	LDA	0.04	0.06
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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
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tblVehicleEF	LDA	0.53	0.52
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.11	0.14
tblVehicleEF	LDA	0.04	0.01

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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
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tblVehicleEF	LDA	0.10	0.17
tblVehicleEF	LDA	0.13	0.17
tblVehicleEF	LDA	0.08	0.11
tblVehicleEF	LDA	0.03	0.04
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tblVehicleEF	LDA	0.86	1.06
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tblVehicleEF	LDA	1.7490e-003	0.01

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tblVehicleEF	LDA	2.9080e-003	5.6000e-003
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tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.30	0.07
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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
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tblVehicleEF	LDT1	0.02	5.4000e-003

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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
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tblVehicleEF	LDT1	0.28	0.23
tblVehicleEF	LDT1	0.30	0.23
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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
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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
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tblVehicleEF	LDT2	0.01	0.01
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tblVehicleEF	LDT2	0.18	0.20
tblVehicleEF	LDT2	0.15	0.23
tblVehicleEF	LDT2	0.25	0.36
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tblVehicleEF	LDT2	0.02	5.4000e-003
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tblVehicleEF	LDT2	2.8360e-003	0.01

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tblVehicleEF	LDT2	0.05	0.06
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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
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tblVehicleEF	LHD2	4.8410e-003	6.1940e-003
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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
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tblVehicleEF	LHD2	9.7000e-005	1.0000e-004
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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
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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
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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

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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
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tblVehicleEF	LHD2	3.02	4.29
tblVehicleEF	LHD2	4.8410e-003	6.1940e-003
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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
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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

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tblVehicleEF	MDV	0.55	0.44
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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
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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
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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
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tblVehicleEF	MH	0.83	0.90
tblVehicleEF	MH	0.07	0.06
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tblVehicleEF	MH	0.16	0.16
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tblVehicleEF	MH	0.00	0.02
tblVehicleEF	MH	2.81	3.40
tblVehicleEF	MH	5.55	6.10
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tblVehicleEF	MH	1.62	1.26
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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
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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
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tblVehicleEF	MH	0.00	0.02
tblVehicleEF	MH	0.00	0.03
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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
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tblVehicleEF	MHD	0.06	0.13
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tblVehicleEF	MHD	0.05	5.4000e-003
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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
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	9.6100e-004	2.0000e-004
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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
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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
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tblVehicleEF	MHD	15.01	3.54

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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
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tblVehicleEF	MHD	0.05	5.4000e-003
tblVehicleEF	MHD	2.8400e-003	3.0000e-003
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tblVehicleEF	MHD	2.3780e-003	9.0000e-004
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tblVehicleEF	MHD	0.15	0.01
tblVehicleEF	MHD	0.15	0.02
tblVehicleEF	MHD	3.6980e-003	4.0000e-004
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tblVehicleEF	MHD	0.17	0.02
tblVehicleEF	MHD	3.6980e-003	4.0000e-004

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tblVehicleEF	MHD	8.1270e-003	9.0000e-004
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tblVehicleEF	MHD	0.02	2.2000e-003
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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
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tblVehicleEF	MHD	2.3780e-003	9.0000e-004
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tblVehicleEF	OBUS	1.2250e-003	6.7200e-004
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tblVehicleEF	OBUS	0.01	1.3000e-003
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tblVehicleEF	OBUS	7.6000e-004	2.5000e-003
tblVehicleEF	OBUS	9.4330e-003	1.2000e-003

tblVehicleEF	OBUS	0.03	5.4000e-003
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tblVehicleEF	OBUS	6.8800e-004	2.3000e-003
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tblVehicleEF	OBUS	3.3200e-004	3.0000e-004
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tblVehicleEF	OBUS	5.6610e-003	1.0000e-004
tblVehicleEF	OBUS	9.8950e-003	0.01
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tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.48	0.02
tblVehicleEF	OBUS	3.3200e-004	3.0000e-004
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tblVehicleEF	OBUS	1.2250e-003	6.7200e-004

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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	2.90	0.00
tblWoodstoves	NumberNoncatalytic	2.90	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	lb/day										lb/day					
Area	3.9860	0.0800	6.8960	3.6000e-004		0.0376	0.0376		0.0376	0.0376	0.0000	12.3298	12.3298	0.0122	0.0000	12.5864
Energy	0.0865	0.7394	0.3146	4.7200e-003		0.0598	0.0598		0.0598	0.0598		943.9116	943.9116	0.0181	0.0173	949.6561
Mobile	3.0791	4.8973	25.6638	0.0538	3.3475	0.2450	3.5925	0.8536	0.2077	1.0613		4,130.0710	4,130.0710	0.1928		4,134.1197
Total	7.1516	5.7167	32.8744	0.0589	3.3475	0.3424	3.6899	0.8536	0.3051	1.1588	0.0000	5,086.3125	5,086.3125	0.2231	0.0173	5,096.3622

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.6903	0.0800	6.8960	3.6000e-004		0.0376	0.0376		0.0376	0.0376	0.0000	12.3298	12.3298	0.0122	0.0000	12.5864
Energy	0.0865	0.7394	0.3146	4.7200e-003		0.0598	0.0598		0.0598	0.0598		943.9116	943.9116	0.0181	0.0173	949.6561
Mobile	3.0791	4.8973	25.6638	0.0538	3.3475	0.2450	3.5925	0.8536	0.2077	1.0613		4,130.0710	4,130.0710	0.1928		4,134.1197
Total	7.8560	5.7167	32.8744	0.0589	3.3475	0.3424	3.6899	0.8536	0.3051	1.1588	0.0000	5,086.3125	5,086.3125	0.2231	0.0173	5,096.3622

	ROG	NOx	CO	SO2	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	-9.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	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): 29

Acres of Paving: 0

Residential Indoor: 302,535; Residential Outdoor: 100,845; 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	41,616.00	12.40	7.30	1.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	30.00	9.00	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

Clean Paved 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	lb/day										lb/day					
Fugitive Dust					6.5443	0.0000	6.5443	3.3791	0.0000	3.3791			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980		6,486.243 3	6,486.243 3	1.9364		6,526.908 0
Total	6.7751	79.0467	50.8400	0.0618	6.5443	3.8022	10.3464	3.3791	3.4980	6.8771		6,486.243 3	6,486.243 3	1.9364		6,526.908 0

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.8195	12.7388	47.8149	0.0182	467.6299	0.1083	467.7382	46.6793	0.0991	46.7783		1,777.658 8	1,777.658 8	0.0266		1,778.216 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3756	0.1100	1.3181	2.3500e-003	0.1886	1.5700e-003	0.1902	0.0500	1.4400e-003	0.0515		204.3884	204.3884	0.0110		204.6195
Total	4.1951	12.8489	49.1329	0.0206	467.8185	0.1099	467.9284	46.7293	0.1005	46.8298		1,982.047 2	1,982.047 2	0.0376		1,982.836 2

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	lb/day										lb/day					
Fugitive Dust					2.5523	0.0000	2.5523	1.3179	0.0000	1.3179			0.0000			0.0000
Off-Road	6.7751	79.0467	50.8400	0.0618		3.8022	3.8022		3.4980	3.4980	0.0000	6,486.2433	6,486.2433	1.9364		6,526.9080
Total	6.7751	79.0467	50.8400	0.0618	2.5523	3.8022	6.3544	1.3179	3.4980	4.8159	0.0000	6,486.2433	6,486.2433	1.9364		6,526.9080

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.8195	12.7388	47.8149	0.0182	286.3476	0.1083	286.4559	28.5510	0.0991	28.6501		1,777.6588	1,777.6588	0.0266		1,778.2167
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3756	0.1100	1.3181	2.3500e-003	0.1886	1.5700e-003	0.1902	0.0500	1.4400e-003	0.0515		204.3884	204.3884	0.0110		204.6195
Total	4.1951	12.8489	49.1329	0.0206	286.5362	0.1099	286.6461	28.6011	0.1005	28.7016		1,982.0472	1,982.0472	0.0376		1,982.8362

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	lb/day										lb/day					
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.577 1	2,689.577 1	0.6748		2,703.748 3
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904		2,689.577 1	2,689.577 1	0.6748		2,703.748 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2300	1.0023	1.1093	2.1400e-003	0.0597	0.0166	0.0763	0.0170	0.0152	0.0323		217.0353	217.0353	1.9200e-003		217.0755
Worker	0.5634	0.1651	1.9771	3.5300e-003	0.2829	2.3600e-003	0.2853	0.0750	2.1500e-003	0.0772		306.5826	306.5826	0.0165		306.9292
Total	0.7934	1.1674	3.0865	5.6700e-003	0.3426	0.0189	0.3615	0.0921	0.0174	0.1094		523.6179	523.6179	0.0184		524.0047

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	lb/day										lb/day					
Off-Road	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904	0.0000	2,689.577 1	2,689.577 1	0.6748		2,703.748 3
Total	3.6591	30.0299	18.7446	0.0268		2.1167	2.1167		1.9904	1.9904	0.0000	2,689.577 1	2,689.577 1	0.6748		2,703.748 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2300	1.0023	1.1093	2.1400e-003	0.0597	0.0166	0.0763	0.0170	0.0152	0.0323		217.0353	217.0353	1.9200e-003		217.0755
Worker	0.5634	0.1651	1.9771	3.5300e-003	0.2829	2.3600e-003	0.2853	0.0750	2.1500e-003	0.0772		306.5826	306.5826	0.0165		306.9292
Total	0.7934	1.1674	3.0865	5.6700e-003	0.3426	0.0189	0.3615	0.0921	0.0174	0.1094		523.6179	523.6179	0.0184		524.0047

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	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485		2,669.2864	2,669.2864	0.6620		2,683.1890

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2034	0.8721	1.0046	2.1400e-003	0.0597	0.0133	0.0730	0.0170	0.0122	0.0292		214.5031	214.5031	1.6900e-003		214.5387
Worker	0.5217	0.1481	1.7748	3.5300e-003	0.2829	2.2300e-003	0.2851	0.0750	2.0400e-003	0.0771		296.1314	296.1314	0.0151		296.4477
Total	0.7251	1.0202	2.7795	5.6700e-003	0.3426	0.0155	0.3581	0.0921	0.0142	0.1063		510.6345	510.6345	0.0168		510.9864

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	lb/day										lb/day					
Off-Road	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890
Total	3.4062	28.5063	18.5066	0.0268		1.9674	1.9674		1.8485	1.8485	0.0000	2,669.2864	2,669.2864	0.6620		2,683.1890

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2034	0.8721	1.0046	2.1400e-003	0.0597	0.0133	0.0730	0.0170	0.0122	0.0292		214.5031	214.5031	1.6900e-003		214.5387
Worker	0.5217	0.1481	1.7748	3.5300e-003	0.2829	2.2300e-003	0.2851	0.0750	2.0400e-003	0.0771		296.1314	296.1314	0.0151		296.4477
Total	0.7251	1.0202	2.7795	5.6700e-003	0.3426	0.0155	0.3581	0.0921	0.0142	0.1063		510.6345	510.6345	0.0168		510.9864

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	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986		2,354.5681
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016		2,339.8984	2,339.8984	0.6986		2,354.5681

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2817	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646
Total	0.2817	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646

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	lb/day										lb/day					
Off-Road	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016	0.0000	2,339.8984	2,339.8984	0.6986		2,354.5681
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.3172	25.1758	14.9781	0.0223		1.4148	1.4148		1.3016	1.3016	0.0000	2,339.8984	2,339.8984	0.6986		2,354.5681

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2817	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646
Total	0.2817	0.0825	0.9886	1.7700e-003	0.1415	1.1800e-003	0.1426	0.0375	1.0800e-003	0.0386		153.2913	153.2913	8.2500e-003		153.4646

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	lb/day										lb/day					
Archit. Coating	53.1155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	53.4840	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1043	0.0296	0.3550	7.1000e-004	0.0566	4.5000e-004	0.0570	0.0150	4.1000e-004	0.0154		59.2263	59.2263	3.0100e-003		59.2895
Total	0.1043	0.0296	0.3550	7.1000e-004	0.0566	4.5000e-004	0.0570	0.0150	4.1000e-004	0.0154		59.2263	59.2263	3.0100e-003		59.2895

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	lb/day										lb/day					
Archit. Coating	53.1155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
Total	53.4840	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1043	0.0296	0.3550	7.1000e-004	0.0566	4.5000e-004	0.0570	0.0150	4.1000e-004	0.0154		59.2263	59.2263	3.0100e-003		59.2895
Total	0.1043	0.0296	0.3550	7.1000e-004	0.0566	4.5000e-004	0.0570	0.0150	4.1000e-004	0.0154		59.2263	59.2263	3.0100e-003		59.2895

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.0791	4.8973	25.6638	0.0538	3.3475	0.2450	3.5925	0.8536	0.2077	1.0613		4,130.0710	4,130.0710	0.1928		4,134.1197
Unmitigated	3.0791	4.8973	25.6638	0.0538	3.3475	0.2450	3.5925	0.8536	0.2077	1.0613		4,130.0710	4,130.0710	0.1928		4,134.1197

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	777.71	777.71	777.71	1,736,133	1,736,133
Total	777.71	777.71	777.71	1,736,133	1,736,133

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	lb/day										lb/day					
NaturalGas Mitigated	0.0865	0.7394	0.3146	4.7200e-003		0.0598	0.0598		0.0598	0.0598		943.9116	943.9116	0.0181	0.0173	949.6561
NaturalGas Unmitigated	0.0865	0.7394	0.3146	4.7200e-003		0.0598	0.0598		0.0598	0.0598		943.9116	943.9116	0.0181	0.0173	949.6561

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	8023.25	0.0865	0.7394	0.3146	4.7200e-003		0.0598	0.0598		0.0598	0.0598		943.9116	943.9116	0.0181	0.0173	949.6561
Total		0.0865	0.7394	0.3146	4.7200e-003		0.0598	0.0598		0.0598	0.0598		943.9116	943.9116	0.0181	0.0173	949.6561

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	lb/day										lb/day					
Single Family Housing	8.02325	0.0865	0.7394	0.3146	4.7200e-003		0.0598	0.0598		0.0598	0.0598		943.9116	943.9116	0.0181	0.0173	949.6561
Total		0.0865	0.7394	0.3146	4.7200e-003		0.0598	0.0598		0.0598	0.0598		943.9116	943.9116	0.0181	0.0173	949.6561

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6903	0.0800	6.8960	3.6000e-004		0.0376	0.0376		0.0376	0.0376	0.0000	12.3298	12.3298	0.0122	0.0000	12.5864
Unmitigated	3.9860	0.0800	6.8960	3.6000e-004		0.0376	0.0376		0.0376	0.0376	0.0000	12.3298	12.3298	0.0122	0.0000	12.5864

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5763					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1972					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	0.2126	0.0800	6.8960	3.6000e-004		0.0376	0.0376		0.0376	0.0376		12.3298	12.3298	0.0122		12.5864
Total	3.9860	0.0800	6.8960	3.6000e-004		0.0376	0.0376		0.0376	0.0376	0.0000	12.3298	12.3298	0.0122	0.0000	12.5864

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	lb/day										lb/day					
Architectural Coating	1.2806					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1972					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	0.2126	0.0800	6.8960	3.6000e-004		0.0376	0.0376		0.0376	0.0376		12.3298	12.3298	0.0122		12.5864
Total	4.6903	0.0800	6.8960	3.6000e-004		0.0376	0.0376		0.0376	0.0376	0.0000	12.3298	12.3298	0.0122	0.0000	12.5864

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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