

Burlingame Existing Conditions 2017 - San Mateo County, Annual

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	3,882.76	1000sqft	115.66	3,882,756.35	0
Government Office Building	120.10	1000sqft	7.66	120,095.12	0
Hospital	644.00	1000sqft	36.96	644,002.39	0
Elementary School	305.25	1000sqft	21.90	305,251.97	0
High School	1,158.66	1000sqft	83.12	1,158,661.97	0
Place of Worship	335.91	1000sqft	14.02	335,908.60	0
Manufacturing	939.58	1000sqft	53.76	939,581.20	0
Unrefrigerated Warehouse-No Rail	2,783.06	1000sqft	159.73	2,783,062.86	0
City Park	165.69	Acre	165.69	7,217,253.52	0
Hotel	2,198.28	Room	50.81	3,191,895.88	0
Racquet Club	239.50	1000sqft	13.75	239,504.66	0
Apartments Low Rise	5,401.91	Dwelling Unit	147.94	5,401,914.94	15449
Apartments Mid Rise	311.84	Dwelling Unit	4.99	311,842.83	892
Condo/Townhouse	513.88	Dwelling Unit	37.79	513,881.15	1470
Single Family Housing	6,872.85	Dwelling Unit	1,157.99	12,371,123.39	19656
Automobile Care Center	669.93	1000sqft	38.45	669,931.27	0
Strip Mall	1,228.20	1000sqft	57.60	1,228,196.77	0

1.2 Other Project Characteristics

Urbanization Urban Wind Speed (m/s) 2.2 Precipitation Freq (Days) 70

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Climate Zone 5 **Operational Year** 2017

Utility Company Pacific Gas & Electric Company

CO2 Intensity (lb/MW hr) 404.5 **CH4 Intensity (lb/MW hr)** 0.071 **N2O Intensity (lb/MW hr)** 0.008

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - 2015 utility info
- Land Use - Values obtained from Burl_ExistingLUValues_20180410 spreadsheet
- Construction Phase - Not modeling construction emissions
- Off-road Equipment - Not modeling construction emissions
- Off-road Equipment - Not modeling construction emissions
- Off-road Equipment - Not modeling construction emissions
- Off-road Equipment - Not modeling construction emissions
- Off-road Equipment - Not modeling construction emissions
- Off-road Equipment - Not modeling construction emissions
- Off-road Equipment - Not modeling construction emissions
- Trips and VMT - No construction calculated
- Grading - not estimating construction
- Architectural Coating - not construction calculated
- Vehicle Trips - Trip length estimated using Hexagon VMT
- Energy Use -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	7,749,425.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	23,248,274.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	12,554,165.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	37,662,494.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00

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tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	150.00	0.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	10,000.00	0.00
tblConstructionPhase	NumDays	6,000.00	0.00
tblConstructionPhase	NumDays	15,500.00	0.00
tblConstructionPhase	NumDays	155,000.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	PhaseEndDate	4/30/2054	12/31/1999
tblConstructionPhase	PhaseEndDate	4/29/2077	4/30/2001
tblConstructionPhase	PhaseEndDate	9/27/2136	4/29/2002
tblConstructionPhase	PhaseEndDate	11/13/2730	9/26/2003
tblConstructionPhase	PhaseEndDate	1/11/2773	11/13/2003
tblConstructionPhase	PhaseEndDate	3/12/2815	1/11/2004
tblConstructionPhase	PhaseStartDate	1/1/2016	1/1/2000
tblConstructionPhase	PhaseStartDate	5/1/2054	5/1/2001
tblConstructionPhase	PhaseStartDate	4/30/2077	4/30/2002
tblConstructionPhase	PhaseStartDate	9/28/2136	9/28/2003
tblConstructionPhase	PhaseStartDate	11/14/2730	11/14/2003
tblConstructionPhase	PhaseStartDate	1/12/2773	1/12/2004
tblLandUse	LandUseSquareFeet	3,882,760.00	3,882,756.35
tblLandUse	LandUseSquareFeet	120,100.00	120,095.12
tblLandUse	LandUseSquareFeet	644,000.00	644,002.39
tblLandUse	LandUseSquareFeet	305,250.00	305,251.97
tblLandUse	LandUseSquareFeet	1,158,660.00	1,158,661.97

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tblLandUse	LandUseSquareFeet	335,910.00	335,908.60
tblLandUse	LandUseSquareFeet	939,580.00	939,581.20
tblLandUse	LandUseSquareFeet	2,783,060.00	2,783,062.86
tblLandUse	LandUseSquareFeet	7,217,456.40	7,217,253.52
tblLandUse	LandUseSquareFeet	3,191,902.56	3,191,895.88
tblLandUse	LandUseSquareFeet	239,500.00	239,504.66
tblLandUse	LandUseSquareFeet	5,401,910.00	5,401,914.94
tblLandUse	LandUseSquareFeet	311,840.00	311,842.83
tblLandUse	LandUseSquareFeet	513,880.00	513,881.15
tblLandUse	LandUseSquareFeet	12,371,130.00	12,371,123.39
tblLandUse	LandUseSquareFeet	669,930.00	669,931.27
tblLandUse	LandUseSquareFeet	1,228,200.00	1,228,196.77
tblLandUse	LotAcreage	89.14	115.66
tblLandUse	LotAcreage	2.76	7.66
tblLandUse	LotAcreage	14.78	36.96
tblLandUse	LotAcreage	7.01	21.90
tblLandUse	LotAcreage	26.60	83.12
tblLandUse	LotAcreage	7.71	14.02
tblLandUse	LotAcreage	21.57	53.76
tblLandUse	LotAcreage	63.89	159.73
tblLandUse	LotAcreage	73.28	50.81
tblLandUse	LotAcreage	5.50	13.75
tblLandUse	LotAcreage	337.62	147.94
tblLandUse	LotAcreage	8.21	4.99
tblLandUse	LotAcreage	32.12	37.79
tblLandUse	LotAcreage	2,231.44	1,157.99
tblLandUse	LotAcreage	15.38	38.45

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tblLandUse	LotAcreage	28.20	57.60
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.071
tblProjectCharacteristics	CO2IntensityFactor	641.35	404.5
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.008
tblSolidWaste	SolidWasteGenerationRate	111.69	111.68
tblTripsAndVMT	VendorTripNumber	5,124.00	0.00
tblTripsAndVMT	WorkerTripNumber	15,844.00	0.00
tblTripsAndVMT	WorkerTripNumber	3,169.00	0.00

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tblVehicleTrips	CC_TL	7.30	5.26
tblVehicleTrips	CC_TL	7.30	5.26
tblVehicleTrips	CC_TL	7.30	5.26
tblVehicleTrips	CC_TL	7.30	5.26
tblVehicleTrips	CC_TL	7.30	5.26
tblVehicleTrips	CC_TL	7.30	5.26
tblVehicleTrips	CC_TL	7.30	5.26
tblVehicleTrips	CC_TL	7.30	5.26
tblVehicleTrips	CC_TL	7.30	5.26
tblVehicleTrips	CC_TL	7.30	5.26
tblVehicleTrips	CC_TL	7.30	5.26
tblVehicleTrips	CC_TL	7.30	5.26
tblVehicleTrips	CC_TL	7.30	5.26
tblVehicleTrips	CNW_TL	7.30	5.26
tblVehicleTrips	CNW_TL	7.30	5.26
tblVehicleTrips	CNW_TL	7.30	5.26
tblVehicleTrips	CNW_TL	7.30	5.26
tblVehicleTrips	CNW_TL	7.30	5.26
tblVehicleTrips	CNW_TL	7.30	5.26
tblVehicleTrips	CNW_TL	7.30	5.26
tblVehicleTrips	CNW_TL	7.30	5.26
tblVehicleTrips	CNW_TL	7.30	5.26
tblVehicleTrips	CNW_TL	7.30	5.26
tblVehicleTrips	CNW_TL	7.30	5.26
tblVehicleTrips	CNW_TL	7.30	5.26
tblVehicleTrips	CNW_TL	7.30	5.26
tblVehicleTrips	CNW_TL	7.30	5.26
tblVehicleTrips	CW_TL	9.50	5.26
tblVehicleTrips	CW_TL	9.50	5.26

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tblVehicleTrips	CW_TL	9.50	5.26
tblVehicleTrips	CW_TL	9.50	5.26
tblVehicleTrips	CW_TL	9.50	5.26
tblVehicleTrips	CW_TL	9.50	5.26
tblVehicleTrips	CW_TL	9.50	5.26
tblVehicleTrips	CW_TL	9.50	5.26
tblVehicleTrips	CW_TL	9.50	5.26
tblVehicleTrips	CW_TL	9.50	5.26
tblVehicleTrips	CW_TL	9.50	5.26
tblVehicleTrips	CW_TL	9.50	5.26
tblVehicleTrips	CW_TL	9.50	5.26
tblVehicleTrips	CW_TL	9.50	5.26
tblVehicleTrips	HO_TL	5.70	5.26
tblVehicleTrips	HO_TL	5.70	5.26
tblVehicleTrips	HO_TL	5.70	7.75
tblVehicleTrips	HO_TL	5.70	5.26
tblVehicleTrips	HS_TL	4.80	5.26
tblVehicleTrips	HS_TL	4.80	5.26
tblVehicleTrips	HS_TL	4.80	5.26
tblVehicleTrips	HS_TL	4.80	5.26
tblVehicleTrips	HW_TL	10.80	5.26
tblVehicleTrips	HW_TL	10.80	5.26
tblVehicleTrips	HW_TL	10.80	5.26
tblVehicleTrips	HW_TL	10.80	5.26
tblWater	IndoorWaterUseRate	23,859,028.27	23,857,041.68
tblWater	OutdoorWaterUseRate	14,623,275.39	14,622,057.80

2.0 Emissions Summary

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2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	212.3600	2.3650	177.0798	0.1659		11.8571	11.8571		11.8571	11.8571	1,157.5307	490.2740	1,647.8047	2.2671	0.0686	1,724.9131
Energy	4.1070	36.1156	22.4074	0.2240		2.8376	2.8376		2.8376	2.8376	0.0000	79,990.7360	79,990.7360	7.6851	1.5233	80,636.8124
Mobile	76.8012	210.2191	745.0975	1.7462	142.0148	2.5511	144.5660	38.1645	2.4073	40.5718	0.0000	159,066.4721	159,066.4721	7.2418	0.0000	159,247.5174
Waste						0.0000	0.0000		0.0000	0.0000	7,272.9043	0.0000	7,272.9043	429.8163	0.0000	18,018.3127
Water						0.0000	0.0000		0.0000	0.0000	885.4364	3,692.9403	4,578.3767	91.5910	2.2204	7,529.8294
Total	293.2683	248.6997	944.5847	2.1361	142.0148	17.2459	159.2607	38.1645	17.1020	55.2665	9,315.8714	243,240.4224	252,556.2938	538.6014	3.8123	267,157.3850

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	212.3600	2.3650	177.0798	0.1659		11.8571	11.8571		11.8571	11.8571	1,157.5307	490.2740	1,647.8047	2.2671	0.0686	1,724.9131
Energy	4.1070	36.1156	22.4074	0.2240		2.8376	2.8376		2.8376	2.8376	0.0000	79,990.7360	79,990.7360	7.6851	1.5233	80,636.8124
Mobile	76.8012	210.2191	745.0975	1.7462	142.0148	2.5511	144.5660	38.1645	2.4073	40.5718	0.0000	159,066.4721	159,066.4721	7.2418	0.0000	159,247.5174
Waste						0.0000	0.0000		0.0000	0.0000	7,272.9043	0.0000	7,272.9043	429.8163	0.0000	18,018.3127
Water						0.0000	0.0000		0.0000	0.0000	885.4364	3,692.9403	4,578.3767	91.5910	2.2204	7,529.8294
Total	293.2683	248.6997	944.5847	2.1361	142.0148	17.2459	159.2607	38.1645	17.1020	55.2665	9,315.8714	243,240.4224	252,556.2938	538.6014	3.8123	267,157.3850

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

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2000	12/31/1999	5	0	
2	Site Preparation	Site Preparation	5/1/2001	4/30/2001	5	0	
3	Grading	Grading	4/30/2002	4/29/2002	5	0	
4	Building Construction	Building Construction	9/28/2003	9/26/2003	5	0	
5	Paving	Paving	11/14/2003	11/13/2003	5	0	
6	Architectural Coating	Architectural Coating	1/12/2004	1/11/2004	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

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3.7 Architectural Coating - 2004

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	76.8012	210.2191	745.0975	1.7462	142.0148	2.5511	144.5660	38.1645	2.4073	40.5718	0.0000	159,066.4721	159,066.4721	7.2418	0.0000	159,247.5174
Unmitigated	76.8012	210.2191	745.0975	1.7462	142.0148	2.5511	144.5660	38.1645	2.4073	40.5718	0.0000	159,066.4721	159,066.4721	7.2418	0.0000	159,247.5174

4.2 Trip Summary Information

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Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	35,598.59	38,677.68	32789.59	60,595,131	60,595,131
Apartments Mid Rise	2,073.74	1,992.66	1827.38	3,446,511	3,446,511
Automobile Care Center	15,890.74	15,890.74	7958.77	9,686,638	9,686,638
City Park	313.15	3,769.45	2773.65	1,923,035	1,923,035
Condo/Townhouse	2,985.64	2,913.70	2487.18	6,199,525	6,199,525
Elementary School	4,710.01	0.00	0.00	4,475,369	4,475,369
General Office Building	42,826.84	9,551.59	4076.90	50,975,707	50,975,707
Government Office Building	8,278.49	0.00	0.00	6,657,614	6,657,614
High School	14,935.13	5,063.34	2074.00	17,871,572	17,871,572
Hospital	8,513.68	6,555.92	5738.04	11,897,923	11,897,923
Hotel	17,959.95	18,003.91	13079.77	22,343,366	22,343,366
Manufacturing	3,589.20	1,399.97	582.54	5,086,018	5,086,018
Place of Worship	3,060.14	3,483.39	12304.38	5,991,364	5,991,364
Racquet Club	3,360.19	5,113.33	4167.30	4,417,343	4,417,343
Single Family Housing	65,429.53	68,109.94	59243.97	110,400,704	110,400,704
Strip Mall	54,433.82	51,633.53	25092.13	52,758,472	52,758,472
Unrefrigerated Warehouse-No Rail	4,675.54	4,675.54	4675.54	8,352,825	8,352,825
Total	288,634.38	236,834.69	178,871.14	383,079,116	383,079,116

4.3 Trip Type Information

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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
Apartments Low Rise	5.26	5.26	5.26	31.00	15.00	54.00	86	11	3
Apartments Mid Rise	5.26	5.26	5.26	31.00	15.00	54.00	86	11	3
Automobile Care Center	5.26	5.26	5.26	33.00	48.00	19.00	21	51	28
City Park	5.26	7.30	5.26	33.00	48.00	19.00	66	28	6
Condo/Townhouse	5.26	5.26	7.75	31.00	15.00	54.00	86	11	3
Elementary School	5.26	5.26	5.26	65.00	30.00	5.00	63	25	12
General Office Building	5.26	5.26	5.26	33.00	48.00	19.00	77	19	4
Government Office Building	5.26	5.26	5.26	33.00	62.00	5.00	50	34	16
High School	5.26	5.26	5.26	77.80	17.20	5.00	75	19	6
Hospital	5.26	5.26	5.26	64.90	16.10	19.00	73	25	2
Hotel	5.26	5.26	5.26	19.40	61.60	19.00	58	38	4
Manufacturing	5.26	5.26	5.26	59.00	28.00	13.00	92	5	3
Place of Worship	5.26	5.26	5.26	0.00	95.00	5.00	64	25	11
Racquet Club	5.26	5.26	5.26	11.50	69.50	19.00	52	39	9
Single Family Housing	5.26	5.26	5.26	31.00	15.00	54.00	86	11	3
Strip Mall	5.26	5.26	5.26	16.60	64.40	19.00	45	40	15
Unrefrigerated Warehouse-No	5.26	5.26	5.26	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Burlingame Existing Conditions 2017 - San Mateo County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.519116	0.049029	0.235321	0.130359	0.018842	0.005865	0.019139	0.006107	0.003579	0.003526	0.008051	0.000385	0.000682
Apartments Mid Rise	0.519116	0.049029	0.235321	0.130359	0.018842	0.005865	0.019139	0.006107	0.003579	0.003526	0.008051	0.000385	0.000682
Automobile Care Center	0.519116	0.049029	0.235321	0.130359	0.018842	0.005865	0.019139	0.006107	0.003579	0.003526	0.008051	0.000385	0.000682
City Park	0.519116	0.049029	0.235321	0.130359	0.018842	0.005865	0.019139	0.006107	0.003579	0.003526	0.008051	0.000385	0.000682
Condo/Townhouse	0.519116	0.049029	0.235321	0.130359	0.018842	0.005865	0.019139	0.006107	0.003579	0.003526	0.008051	0.000385	0.000682
Elementary School	0.519116	0.049029	0.235321	0.130359	0.018842	0.005865	0.019139	0.006107	0.003579	0.003526	0.008051	0.000385	0.000682
General Office Building	0.519116	0.049029	0.235321	0.130359	0.018842	0.005865	0.019139	0.006107	0.003579	0.003526	0.008051	0.000385	0.000682
Government Office Building	0.519116	0.049029	0.235321	0.130359	0.018842	0.005865	0.019139	0.006107	0.003579	0.003526	0.008051	0.000385	0.000682
High School	0.519116	0.049029	0.235321	0.130359	0.018842	0.005865	0.019139	0.006107	0.003579	0.003526	0.008051	0.000385	0.000682
Hospital	0.519116	0.049029	0.235321	0.130359	0.018842	0.005865	0.019139	0.006107	0.003579	0.003526	0.008051	0.000385	0.000682
Hotel	0.519116	0.049029	0.235321	0.130359	0.018842	0.005865	0.019139	0.006107	0.003579	0.003526	0.008051	0.000385	0.000682
Manufacturing	0.519116	0.049029	0.235321	0.130359	0.018842	0.005865	0.019139	0.006107	0.003579	0.003526	0.008051	0.000385	0.000682
Place of Worship	0.519116	0.049029	0.235321	0.130359	0.018842	0.005865	0.019139	0.006107	0.003579	0.003526	0.008051	0.000385	0.000682
Racquet Club	0.519116	0.049029	0.235321	0.130359	0.018842	0.005865	0.019139	0.006107	0.003579	0.003526	0.008051	0.000385	0.000682
Single Family Housing	0.519116	0.049029	0.235321	0.130359	0.018842	0.005865	0.019139	0.006107	0.003579	0.003526	0.008051	0.000385	0.000682
Strip Mall	0.519116	0.049029	0.235321	0.130359	0.018842	0.005865	0.019139	0.006107	0.003579	0.003526	0.008051	0.000385	0.000682
Unrefrigerated Warehouse-No Rail	0.519116	0.049029	0.235321	0.130359	0.018842	0.005865	0.019139	0.006107	0.003579	0.003526	0.008051	0.000385	0.000682

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Burlingame Existing Conditions 2017 - San Mateo County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	39,345.1222	39,345.1222	6.9061	0.7782	39,749.6621
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	39,345.1222	39,345.1222	6.9061	0.7782	39,749.6621
NaturalGas Mitigated	4.1070	36.1156	22.4074	0.2240		2.8376	2.8376		2.8376	2.8376	0.0000	40,645.6138	40,645.6138	0.7790	0.7452	40,887.1503
NaturalGas Unmitigated	4.1070	36.1156	22.4074	0.2240		2.8376	2.8376		2.8376	2.8376	0.0000	40,645.6138	40,645.6138	0.7790	0.7452	40,887.1503

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.09926e+008	0.5927	5.0652	2.1554	0.0323		0.4095	0.4095		0.4095	0.4095	0.0000	5,866.0789	5,866.0789	0.1124	0.1075	5,900.9381
Apartments Mid Rise	2.7225e+006	0.0147	0.1255	0.0534	8.0000e-004		0.0101	0.0101		0.0101	0.0101	0.0000	145.2828	145.2828	2.7800e-003	2.6600e-003	146.1462
Automobile Care Center	1.65808e+007	0.0894	0.8128	0.6827	4.8800e-003		0.0618	0.0618		0.0618	0.0618	0.0000	884.8146	884.8146	0.0170	0.0162	890.0726
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	1.16749e+007	0.0630	0.5380	0.2289	3.4300e-003		0.0435	0.0435		0.0435	0.0435	0.0000	623.0194	623.0194	0.0119	0.0114	626.7217

Burlingame Existing Conditions 2017 - San Mateo County, Annual

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	5.0275e+006	0.0271	0.2465	0.2070	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.2865	268.2865	5.1400e-003	4.9200e-003	269.8808
General Office Building	7.50537e+007	0.4047	3.6791	3.0905	0.0221		0.2796	0.2796		0.2796	0.2796	0.0000	4,005.1502	4,005.1502	0.0768	0.0734	4,028.9508
Government Office Building	2.32144e+006	0.0125	0.1138	0.0956	6.8000e-004		8.6500e-003	8.6500e-003		8.6500e-003	8.6500e-003	0.0000	123.8808	123.8808	2.3700e-003	2.2700e-003	124.6170
High School	1.90832e+007	0.1029	0.9355	0.7858	5.6100e-003		0.0711	0.0711		0.0711	0.0711	0.0000	1,018.3502	1,018.3502	0.0195	0.0187	1,024.4018
Hospital	6.48446e+007	0.3497	3.1787	2.6701	0.0191		0.2416	0.2416		0.2416	0.2416	0.0000	3,460.3548	3,460.3548	0.0663	0.0634	3,480.9180
Hotel	1.16536e+008	0.6284	5.7126	4.7986	0.0343		0.4342	0.4342		0.4342	0.4342	0.0000	6,218.8111	6,218.8111	0.1192	0.1140	6,255.7664
Manufacturing	2.32546e+007	0.1254	1.1399	0.9575	6.8400e-003		0.0866	0.0866		0.0866	0.0866	0.0000	1,240.9559	1,240.9559	0.0238	0.0228	1,248.3303
Place of Worship	8.31374e+006	0.0448	0.4075	0.3423	2.4500e-003		0.0310	0.0310		0.0310	0.0310	0.0000	443.6527	443.6527	8.5000e-003	8.1300e-003	446.2891
Racquet Club	5.92774e+006	0.0320	0.2906	0.2441	1.7400e-003		0.0221	0.0221		0.0221	0.0221	0.0000	316.3268	316.3268	6.0600e-003	5.8000e-003	318.2066
Single Family Housing	2.90885e+008	1.5685	13.4035	5.7036	0.0856		1.0837	1.0837		1.0837	1.0837	0.0000	15,522.7236	15,522.7236	0.2975	0.2846	15,614.9674
Strip Mall	5.64971e+006	0.0305	0.2770	0.2326	1.6600e-003		0.0211	0.0211		0.0211	0.0211	0.0000	301.4898	301.4898	5.7800e-003	5.5300e-003	303.2814
Unrefrigerated Warehouse-No Rail	3.86846e+006	0.0209	0.1896	0.1593	1.1400e-003		0.0144	0.0144		0.0144	0.0144	0.0000	206.4356	206.4356	3.9600e-003	3.7800e-003	207.6624
Total		4.1070	36.1156	22.4074	0.2240		2.8376	2.8376		2.8376	2.8376	0.0000	40,645.6137	40,645.6137	0.7790	0.7452	40,887.1503

5.2 Energy by Land Use - Natural Gas

Mitigated

Burlingame Existing Conditions 2017 - San Mateo County, Annual

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.09926e+008	0.5927	5.0652	2.1554	0.0323		0.4095	0.4095		0.4095	0.4095	0.0000	5,866.0789	5,866.0789	0.1124	0.1075	5,900.9381
Apartments Mid Rise	2.7225e+006	0.0147	0.1255	0.0534	8.0000e-004		0.0101	0.0101		0.0101	0.0101	0.0000	145.2828	145.2828	2.7800e-003	2.6600e-003	146.1462
Automobile Care Center	1.65808e+007	0.0894	0.8128	0.6827	4.8800e-003		0.0618	0.0618		0.0618	0.0618	0.0000	884.8146	884.8146	0.0170	0.0162	890.0726
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	1.16749e+007	0.0630	0.5380	0.2289	3.4300e-003		0.0435	0.0435		0.0435	0.0435	0.0000	623.0194	623.0194	0.0119	0.0114	626.7217
Elementary School	5.0275e+006	0.0271	0.2465	0.2070	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.2865	268.2865	5.1400e-003	4.9200e-003	269.8808
General Office Building	7.50537e+007	0.4047	3.6791	3.0905	0.0221		0.2796	0.2796		0.2796	0.2796	0.0000	4,005.1502	4,005.1502	0.0768	0.0734	4,028.9508
Government Office Building	2.32144e+006	0.0125	0.1138	0.0956	6.8000e-004	8.6500e-003	8.6500e-003	8.6500e-003	8.6500e-003	8.6500e-003	8.6500e-003	0.0000	123.8808	123.8808	2.3700e-003	2.2700e-003	124.6170
High School	1.90832e+007	0.1029	0.9355	0.7858	5.6100e-003		0.0711	0.0711		0.0711	0.0711	0.0000	1,018.3502	1,018.3502	0.0195	0.0187	1,024.4018
Hospital	6.48446e+007	0.3497	3.1787	2.6701	0.0191		0.2416	0.2416		0.2416	0.2416	0.0000	3,460.3548	3,460.3548	0.0663	0.0634	3,480.9180
Hotel	1.16536e+008	0.6284	5.7126	4.7986	0.0343		0.4342	0.4342		0.4342	0.4342	0.0000	6,218.8111	6,218.8111	0.1192	0.1140	6,255.7664
Manufacturing	2.32546e+007	0.1254	1.1399	0.9575	6.8400e-003		0.0866	0.0866		0.0866	0.0866	0.0000	1,240.9559	1,240.9559	0.0238	0.0228	1,248.3303
Place of Worship	8.31374e+006	0.0448	0.4075	0.3423	2.4500e-003		0.0310	0.0310		0.0310	0.0310	0.0000	443.6527	443.6527	8.5000e-003	8.1300e-003	446.2891
Racquet Club	5.92774e+006	0.0320	0.2906	0.2441	1.7400e-003		0.0221	0.0221		0.0221	0.0221	0.0000	316.3268	316.3268	6.0600e-003	5.8000e-003	318.2066
Single Family Housing	2.90885e+008	1.5685	13.4035	5.7036	0.0856		1.0837	1.0837		1.0837	1.0837	0.0000	15,522.7236	15,522.7236	0.2975	0.2846	15,614.9674
Strip Mall	5.64971e+006	0.0305	0.2770	0.2326	1.6600e-003		0.0211	0.0211		0.0211	0.0211	0.0000	301.4898	301.4898	5.7800e-003	5.5300e-003	303.2814
Unrefrigerated Warehouse-No Rail	3.86846e+006	0.0209	0.1896	0.1593	1.1400e-003		0.0144	0.0144		0.0144	0.0144	0.0000	206.4356	206.4356	3.9600e-003	3.7800e-003	207.6624

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Total		4.1070	36.1156	22.4074	0.2240		2.8376	2.8376		2.8376	2.8376	0.0000	40,645.6137	40,645.6137	0.7790	0.7452	40,887.1503
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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	2.27754e+007	4,178.7920	0.7335	0.0827	4,221.7576
Apartments Mid Rise	1.31659e+006	241.5646	0.0424	4.7800e-003	244.0483
Automobile Care Center	5.06468e+006	929.2580	0.1631	0.0184	938.8125
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	2.56972e+006	471.4881	0.0828	9.3200e-003	476.3358
Elementary School	1.35532e+006	248.6713	0.0437	4.9200e-003	251.2281
General Office Building	4.84568e+007	8,890.7621	1.5606	0.1758	8,982.1754
Government Office Building	1.49879e+006	274.9946	0.0483	5.4400e-003	277.8221
High School	5.14446e+006	943.8957	0.1657	0.0187	953.6006
Hospital	1.04457e+007	1,916.5608	0.3364	0.0379	1,936.2665
Hotel	2.60778e+007	4,784.7036	0.8398	0.0946	4,833.8991
Manufacturing	7.10323e+006	1,303.2880	0.2288	0.0258	1,316.6881
Place of Worship	2.53947e+006	465.9370	0.0818	9.2200e-003	470.7277

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	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Racquet Club	1.81066e+006	332.2156	0.0583	6.5700e-003	335.6314
Single Family Housing	5.48625e+007	10,066.0600	1.7669	0.1991	10,169.5575
Strip Mall	1.28715e+007	2,361.6389	0.4145	0.0467	2,385.9209
Unrefrigerated Warehouse-No Rail	1.05478e+007	1,935.2920	0.3397	0.0383	1,955.1903
Total		39,345.1222	6.9061	0.7782	39,749.6621

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	2.27754e+007	4,178.7920	0.7335	0.0827	4,221.7576
Apartments Mid Rise	1.31659e+006	241.5646	0.0424	4.7800e-003	244.0483
Automobile Care Center	5.06468e+006	929.2580	0.1631	0.0184	938.8125
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	2.56972e+006	471.4881	0.0828	9.3200e-003	476.3358
Elementary School	1.35532e+006	248.6713	0.0437	4.9200e-003	251.2281
General Office Building	4.84568e+007	8,890.7621	1.5606	0.1758	8,982.1754

Burlingame Existing Conditions 2017 - San Mateo County, Annual

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Government Office Building	1.49879e+006	274.9946	0.0483	5.4400e-003	277.8221
High School	5.14446e+006	943.8957	0.1657	0.0187	953.6006
Hospital	1.04457e+007	1,916.5608	0.3364	0.0379	1,936.2665
Hotel	2.60778e+007	4,784.7036	0.8398	0.0946	4,833.8991
Manufacturing	7.10323e+006	1,303.2880	0.2288	0.0258	1,316.6881
Place of Worship	2.53947e+006	465.9370	0.0818	9.2200e-003	470.7277
Racquet Club	1.81066e+006	332.2156	0.0583	6.5700e-003	335.6314
Single Family Housing	5.48625e+007	10,066.0600	1.7669	0.1991	10,169.5575
Strip Mall	1.28715e+007	2,361.6389	0.4145	0.0467	2,385.9209
Unrefrigerated Warehouse-No Rail	1.05478e+007	1,935.2920	0.3397	0.0383	1,955.1903
Total		39,345.1222	6.9061	0.7782	39,749.6621

6.0 Area Detail

6.1 Mitigation Measures Area

Burlingame Existing Conditions 2017 - San Mateo County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	212.3600	2.3650	177.0798	0.1659		11.8571	11.8571		11.8571	11.8571	1,157.5307	490.2740	1,647.8047	2.2671	0.0686	1,724.9131
Unmitigated	212.3600	2.3650	177.0798	0.1659		11.8571	11.8571		11.8571	11.8571	1,157.5307	490.2740	1,647.8047	2.2671	0.0686	1,724.9131

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	21.1741					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	133.2361					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	54.8775	1.2185	78.6900	0.1608		11.3231	11.3231		11.3231	11.3231	1,157.5307	331.1188	1,488.6495	2.1069	0.0686	1,561.7527
Landscaping	3.0724	1.1466	98.3898	5.1500e-003		0.5340	0.5340		0.5340	0.5340	0.0000	159.1552	159.1552	0.1602	0.0000	163.1604
Total	212.3600	2.3650	177.0798	0.1659		11.8571	11.8571		11.8571	11.8571	1,157.5307	490.2740	1,647.8047	2.2671	0.0686	1,724.9131

Burlingame Existing Conditions 2017 - San Mateo County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	21.1741					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	133.2361					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	54.8775	1.2185	78.6900	0.1608		11.3231	11.3231		11.3231	11.3231	1,157.5307	331.1188	1,488.6495	2.1069	0.0686	1,561.7527
Landscaping	3.0724	1.1466	98.3898	5.1500e-003		0.5340	0.5340		0.5340	0.5340	0.0000	159.1552	159.1552	0.1602	0.0000	163.1604
Total	212.3600	2.3650	177.0798	0.1659		11.8571	11.8571		11.8571	11.8571	1,157.5307	490.2740	1,647.8047	2.2671	0.0686	1,724.9131

7.0 Water Detail

7.1 Mitigation Measures Water

Burlingame Existing Conditions 2017 - San Mateo County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4,578.376 7	91.5910	2.2204	7,529.829 4
Unmitigated	4,578.376 7	91.5910	2.2204	7,529.829 4

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	351.956 / 221.885	603.5705	11.5548	0.2805	976.0379
Apartments Mid Rise	20.3176 / 12.8089	34.8428	0.6670	0.0162	56.3445
Automobile Care Center	63.0278 / 38.6299	107.3769	2.0691	0.0502	174.0704
City Park	0 / 197.417	126.7757	0.0223	2.5100e-003	128.0791
Condo/Townhouse	33.4814 / 21.1078	57.4173	1.0992	0.0267	92.8498
Elementary School	8.85131 / 22.7605	26.2119	0.2925	7.2700e-003	35.6925

Burlingame Existing Conditions 2017 - San Mateo County, Annual

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	690.097 / 422.963	1,175.6805	22.6548	0.5499	1,905.9155
Government Office Building	23.857 / 14.6221	40.6439	0.7832	0.0190	65.8885
High School	38.4729 / 98.9303	113.9320	1.2715	0.0316	155.1400
Hospital	80.8095 / 15.3923	115.7493	2.6490	0.0640	201.0334
Hotel	55.7633 / 6.19592	77.0317	1.8275	0.0441	135.8536
Manufacturing	217.278 / 0	284.6457	7.1179	0.1714	513.6816
Place of Worship	10.5103 / 16.4391	24.3258	0.3462	8.5000e-003	35.5133
Racquet Club	14.1648 / 8.68164	24.1318	0.4650	0.0113	39.1204
Single Family Housing	447.794 / 282.305	767.9227	14.7012	0.3569	1,241.8130
Strip Mall	90.9759 / 55.7594	154.9905	2.9866	0.0725	251.2577
Unrefrigerated Warehouse-No Rail	643.583 / 0	843.1280	21.0833	0.5078	1,521.5382
Total		4,578.3767	91.5910	2.2204	7,529.8294

7.2 Water by Land Use

Mitigated

Burlingame Existing Conditions 2017 - San Mateo County, Annual

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	351.956 / 221.885	603.5705	11.5548	0.2805	976.0379
Apartments Mid Rise	20.3176 / 12.8089	34.8428	0.6670	0.0162	56.3445
Automobile Care Center	63.0278 / 38.6299	107.3769	2.0691	0.0502	174.0704
City Park	0 / 197.417	126.7757	0.0223	2.5100e-003	128.0791
Condo/Townhouse	33.4814 / 21.1078	57.4173	1.0992	0.0267	92.8498
Elementary School	8.85131 / 22.7605	26.2119	0.2925	7.2700e-003	35.6925
General Office Building	690.097 / 422.963	1,175.6805	22.6548	0.5499	1,905.9155
Government Office Building	23.857 / 14.6221	40.6439	0.7832	0.0190	65.8885
High School	38.4729 / 98.9303	113.9320	1.2715	0.0316	155.1400
Hospital	80.8095 / 15.3923	115.7493	2.6490	0.0640	201.0334
Hotel	55.7633 / 6.19592	77.0317	1.8275	0.0441	135.8536
Manufacturing	217.278 / 0	284.6457	7.1179	0.1714	513.6816
Place of Worship	10.5103 / 16.4391	24.3258	0.3462	8.5000e-003	35.5133
Racquet Club	14.1648 / 8.68164	24.1318	0.4650	0.0113	39.1204
Single Family Housing	447.794 / 282.305	767.9227	14.7012	0.3569	1,241.8130
Strip Mall	90.9759 / 55.7594	154.9905	2.9866	0.0725	251.2577
Unrefrigerated Warehouse-No Rail	643.583 / 0	843.1280	21.0833	0.5078	1,521.5382

Burlingame Existing Conditions 2017 - San Mateo County, Annual

Total		4,578.376 7	91.5910	2.2204	7,529.829 4
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8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7,272.904 3	429.8163	0.0000	18,018.31 27
Unmitigated	7,272.904 3	429.8163	0.0000	18,018.31 27

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2484.88	504.4082	29.8097	0.0000	1,249.649 9
Apartments Mid Rise	143.45	29.1191	1.7209	0.0000	72.1412

Burlingame Existing Conditions 2017 - San Mateo County, Annual

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	2559.13	519.4803	30.7004	0.0000	1,286.9904
City Park	14.25	2.8926	0.1710	0.0000	7.1664
Condo/Townhouse	236.38	47.9830	2.8357	0.0000	118.8759
Elementary School	396.82	80.5509	4.7604	0.0000	199.5614
General Office Building	3610.97	732.9943	43.3187	0.0000	1,815.9623
Government Office Building	111.68	22.6700	1.3398	0.0000	56.1640
High School	1506.26	305.7572	18.0697	0.0000	757.5004
Hospital	6955.2	1,411.8427	83.4375	0.0000	3,497.7806
Hotel	1203.56	244.3118	14.4384	0.0000	605.2722
Manufacturing	1165.08	236.5007	13.9768	0.0000	585.9205
Place of Worship	1914.69	388.6648	22.9694	0.0000	962.9005
Racquet Club	1365.15	277.1131	16.3769	0.0000	686.5360
Single Family Housing	8255.52	1,675.7960	99.0367	0.0000	4,151.7135
Strip Mall	1289.61	261.7792	15.4707	0.0000	648.5468
Unrefrigerated Warehouse-No Rail	2616.08	531.0406	31.3836	0.0000	1,315.6306
Total		7,272.9043	429.8163	0.0000	18,018.3127

8.2 Waste by Land Use

Mitigated

Burlingame Existing Conditions 2017 - San Mateo County, Annual

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	2484.88	504.4082	29.8097	0.0000	1,249.6499
Apartments Mid Rise	143.45	29.1191	1.7209	0.0000	72.1412
Automobile Care Center	2559.13	519.4803	30.7004	0.0000	1,286.9904
City Park	14.25	2.8926	0.1710	0.0000	7.1664
Condo/Townhouse	236.38	47.9830	2.8357	0.0000	118.8759
Elementary School	396.82	80.5509	4.7604	0.0000	199.5614
General Office Building	3610.97	732.9943	43.3187	0.0000	1,815.9623
Government Office Building	111.68	22.6700	1.3398	0.0000	56.1640
High School	1506.26	305.7572	18.0697	0.0000	757.5004
Hospital	6955.2	1,411.8427	83.4375	0.0000	3,497.7806
Hotel	1203.56	244.3118	14.4384	0.0000	605.2722
Manufacturing	1165.08	236.5007	13.9768	0.0000	585.9205
Place of Worship	1914.69	388.6648	22.9694	0.0000	962.9005
Racquet Club	1365.15	277.1131	16.3769	0.0000	686.5360
Single Family Housing	8255.52	1,675.7960	99.0367	0.0000	4,151.7135
Strip Mall	1289.61	261.7792	15.4707	0.0000	648.5468

Burlingame Existing Conditions 2017 - San Mateo County, Annual

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	2616.08	531.0406	31.3836	0.0000	1,315.6306
Total		7,272.9043	429.8163	0.0000	18,018.3127

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Burlingame 2040 General Plan - Net Land Use Change (OY 2040) - San Mateo County, Annual

Burlingame 2040 General Plan - Net Land Use Change (OY 2040)
San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	866.58	1000sqft	19.89	866,580.65	0
General Light Industry	213.13	1000sqft	4.89	213,130.61	0
Manufacturing	143.91	1000sqft	3.30	143,908.72	0
Unrefrigerated Warehouse-No Rail	213.13	1000sqft	4.89	213,130.61	0
Quality Restaurant	578.74	1000sqft	13.29	578,736.47	0
Apartments Low Rise	2,456.09	Dwelling Unit	153.51	2,456,085.06	7024
Apartments Mid Rise	507.16	Dwelling Unit	13.35	507,157.17	1450
Single Family Housing	37.15	Dwelling Unit	12.06	66,876.61	106
Automobile Care Center	196.78	1000sqft	4.52	196,775.52	0
User Defined Retail	122.19	User Defined Unit	2.81	122,188.31	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	70
Climate Zone	5			Operational Year	2040
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Burlingame 2040 General Plan - Net Land Use Change (OY 2040) - San Mateo County, Annual

Project Characteristics -

Land Use - Land Use detail from TAZ Buildout Proposed

Construction Phase - Not calculating construction

Off-road Equipment - No construction calculated

Trips and VMT - No construction calculated

Grading - No construction calculated

Architectural Coating - No construction calculated

Vehicle Trips - Calculated trip length wth VMT from Hexagon

User defined retail: ITE Trip Gen Rates - 9th Edition 'specialty retail'

Woodstoves - Consistent with BAAQMD's ban on woodburning fireplaces and stoves

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	1,167,225.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	3,501,676.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	2,045,330.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	6,135,991.00	0.00
tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	465.00	0.00
tblConstructionPhase	NumDays	330.00	0.00
tblConstructionPhase	NumDays	4,650.00	0.00
tblConstructionPhase	NumDays	330.00	0.00
tblConstructionPhase	NumDays	180.00	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00

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tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	7.9370e-003	6.5260e-003
tblFleetMix	LHD2	7.9370e-003	6.5260e-003
tblFleetMix	LHD2	7.9370e-003	6.5260e-003
tblFleetMix	LHD2	7.9370e-003	6.5260e-003
tblFleetMix	LHD2	7.9370e-003	6.5260e-003
tblFleetMix	LHD2	7.9370e-003	6.5260e-003
tblFleetMix	LHD2	7.9370e-003	6.5260e-003
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tblFleetMix	MCY	9.6810e-003	8.7710e-003
tblFleetMix	MCY	9.6810e-003	8.7710e-003
tblFleetMix	MCY	9.6810e-003	8.7710e-003
tblFleetMix	MCY	9.6810e-003	8.7710e-003
tblFleetMix	MCY	9.6810e-003	8.7710e-003
tblFleetMix	MCY	9.6810e-003	8.7710e-003
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tblFleetMix	MDV	0.15	0.14
tblFleetMix	MDV	0.15	0.14
tblFleetMix	MDV	0.15	0.14

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tblFleetMix	MDV	0.15	0.14
tblFleetMix	MDV	0.15	0.14
tblFleetMix	MDV	0.15	0.14
tblFleetMix	MDV	0.15	0.14
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tblFleetMix	MHD	0.03	0.02
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tblFleetMix	UBUS	2.8150e-003	3.2780e-003
tblFleetMix	UBUS	2.8150e-003	3.2780e-003
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tblLandUse	LandUseSquareFeet	578,740.00	578,736.47
tblLandUse	LandUseSquareFeet	2,456,090.00	2,456,085.06
tblLandUse	LandUseSquareFeet	507,160.00	507,157.17
tblLandUse	LandUseSquareFeet	66,870.00	66,876.61
tblLandUse	LandUseSquareFeet	196,780.00	196,775.52
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblTripsAndVMT	WorkerTripNumber	20.00	0.00
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tblVehicleEF	HHD	0.05	0.09
tblVehicleEF	HHD	0.88	2.21
tblVehicleEF	HHD	3.36	2.48

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tblVehicleEF	HHD	16.09	8.98
tblVehicleEF	HHD	2,381.70	3,173.43
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tblVehicleEF	HHD	0.03	0.03
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tblVehicleEF	HHD	3.4800e-004	1.5600e-004
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tblVehicleEF	HHD	7.92	21.76
tblVehicleEF	HHD	1.52	5.16
tblVehicleEF	HHD	14.28	17.35
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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	5.1390e-003	0.02
tblVehicleEF	HHD	5.8000e-004	2.7000e-004
tblVehicleEF	HHD	2.0040e-003	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.5460e-003	8.4810e-003

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tblVehicleEF	HHD	4.9130e-003	0.02
tblVehicleEF	HHD	5.3300e-004	2.4800e-004
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tblVehicleEF	HHD	0.19	0.49
tblVehicleEF	HHD	4.3700e-004	2.0600e-004
tblVehicleEF	HHD	0.10	0.16
tblVehicleEF	HHD	2.9130e-003	1.3290e-003
tblVehicleEF	HHD	0.25	0.24
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	7.0700e-004	4.1200e-004
tblVehicleEF	HHD	7.8700e-004	3.8500e-004
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.24	0.59
tblVehicleEF	HHD	4.3700e-004	2.0600e-004
tblVehicleEF	HHD	0.40	0.42
tblVehicleEF	HHD	2.9130e-003	1.3290e-003
tblVehicleEF	HHD	0.28	0.26
tblVehicleEF	HHD	0.10	0.30
tblVehicleEF	HHD	0.30	0.24
tblVehicleEF	HHD	0.06	0.10
tblVehicleEF	HHD	1.21	3.04
tblVehicleEF	HHD	3.32	2.45
tblVehicleEF	HHD	17.17	9.59
tblVehicleEF	HHD	2,186.29	2,914.88
tblVehicleEF	HHD	1,610.65	1,918.64

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tblVehicleEF	HHD	46.86	27.57
tblVehicleEF	HHD	7.33	20.15
tblVehicleEF	HHD	1.62	5.46
tblVehicleEF	HHD	14.43	17.45
tblVehicleEF	HHD	3.0230e-003	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	5.1390e-003	0.02
tblVehicleEF	HHD	5.8000e-004	2.7000e-004
tblVehicleEF	HHD	2.8920e-003	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.5460e-003	8.4810e-003
tblVehicleEF	HHD	4.9130e-003	0.02
tblVehicleEF	HHD	5.3300e-004	2.4800e-004
tblVehicleEF	HHD	2.3800e-004	9.7000e-005
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.22	0.56
tblVehicleEF	HHD	1.2600e-004	4.7000e-005
tblVehicleEF	HHD	0.09	0.16
tblVehicleEF	HHD	3.4940e-003	1.5470e-003
tblVehicleEF	HHD	0.28	0.27
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.01	0.02
tblVehicleEF	HHD	7.4600e-004	4.3500e-004
tblVehicleEF	HHD	2.3800e-004	9.7000e-005
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	0.27	0.67

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tblVehicleEF	HHD	1.2600e-004	4.7000e-005
tblVehicleEF	HHD	0.40	0.42
tblVehicleEF	HHD	3.4940e-003	1.5470e-003
tblVehicleEF	HHD	0.31	0.29
tblVehicleEF	LDA	1.1240e-003	4.2700e-003
tblVehicleEF	LDA	7.2700e-004	7.5170e-003
tblVehicleEF	LDA	0.22	0.56
tblVehicleEF	LDA	0.35	1.53
tblVehicleEF	LDA	158.87	258.17
tblVehicleEF	LDA	35.60	60.44
tblVehicleEF	LDA	0.02	0.05
tblVehicleEF	LDA	0.01	0.10
tblVehicleEF	LDA	6.1300e-004	1.7830e-003
tblVehicleEF	LDA	9.8500e-004	2.3630e-003
tblVehicleEF	LDA	5.6400e-004	1.6440e-003
tblVehicleEF	LDA	9.0500e-004	2.1730e-003
tblVehicleEF	LDA	7.3260e-003	0.03
tblVehicleEF	LDA	0.03	0.11
tblVehicleEF	LDA	8.0430e-003	0.03
tblVehicleEF	LDA	2.8170e-003	0.01
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	9.8090e-003	0.10
tblVehicleEF	LDA	1.5880e-003	2.5850e-003
tblVehicleEF	LDA	3.6100e-004	6.3100e-004
tblVehicleEF	LDA	7.3260e-003	0.03
tblVehicleEF	LDA	0.03	0.11
tblVehicleEF	LDA	8.0430e-003	0.03

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tblVehicleEF	LDA	4.0970e-003	0.02
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.11
tblVehicleEF	LDA	1.2300e-003	4.6490e-003
tblVehicleEF	LDA	6.1400e-004	6.3000e-003
tblVehicleEF	LDA	0.25	0.64
tblVehicleEF	LDA	0.28	1.21
tblVehicleEF	LDA	169.06	274.66
tblVehicleEF	LDA	35.60	60.44
tblVehicleEF	LDA	0.02	0.05
tblVehicleEF	LDA	0.01	0.08
tblVehicleEF	LDA	6.1300e-004	1.7830e-003
tblVehicleEF	LDA	9.8500e-004	2.3630e-003
tblVehicleEF	LDA	5.6400e-004	1.6440e-003
tblVehicleEF	LDA	9.0500e-004	2.1730e-003
tblVehicleEF	LDA	0.02	0.08
tblVehicleEF	LDA	0.03	0.12
tblVehicleEF	LDA	0.01	0.05
tblVehicleEF	LDA	3.0790e-003	0.01
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	8.2790e-003	0.08
tblVehicleEF	LDA	1.6910e-003	2.7510e-003
tblVehicleEF	LDA	3.6000e-004	6.2500e-004
tblVehicleEF	LDA	0.02	0.08
tblVehicleEF	LDA	0.03	0.12
tblVehicleEF	LDA	0.01	0.05
tblVehicleEF	LDA	4.4800e-003	0.02

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tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	9.0650e-003	0.09
tblVehicleEF	LDA	1.1030e-003	4.2100e-003
tblVehicleEF	LDA	8.0800e-004	8.3850e-003
tblVehicleEF	LDA	0.22	0.56
tblVehicleEF	LDA	0.41	1.76
tblVehicleEF	LDA	158.25	257.16
tblVehicleEF	LDA	35.60	60.44
tblVehicleEF	LDA	0.02	0.06
tblVehicleEF	LDA	0.01	0.10
tblVehicleEF	LDA	6.1300e-004	1.7830e-003
tblVehicleEF	LDA	9.8500e-004	2.3630e-003
tblVehicleEF	LDA	5.6400e-004	1.6440e-003
tblVehicleEF	LDA	9.0500e-004	2.1730e-003
tblVehicleEF	LDA	4.3310e-003	0.02
tblVehicleEF	LDA	0.03	0.12
tblVehicleEF	LDA	3.8580e-003	0.01
tblVehicleEF	LDA	2.7660e-003	0.01
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	0.11
tblVehicleEF	LDA	1.5820e-003	2.5750e-003
tblVehicleEF	LDA	3.6200e-004	6.3500e-004
tblVehicleEF	LDA	4.3310e-003	0.02
tblVehicleEF	LDA	0.03	0.12
tblVehicleEF	LDA	3.8580e-003	0.01
tblVehicleEF	LDA	4.0230e-003	0.02
tblVehicleEF	LDA	0.04	0.06

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tblVehicleEF	LDA	0.01	0.12
tblVehicleEF	LDT1	1.5660e-003	7.0080e-003
tblVehicleEF	LDT1	9.9100e-004	0.01
tblVehicleEF	LDT1	0.29	0.87
tblVehicleEF	LDT1	0.47	2.38
tblVehicleEF	LDT1	200.97	308.21
tblVehicleEF	LDT1	45.61	71.29
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	0.02	0.13
tblVehicleEF	LDT1	7.7800e-004	2.0810e-003
tblVehicleEF	LDT1	1.2520e-003	2.9520e-003
tblVehicleEF	LDT1	7.1600e-004	1.9150e-003
tblVehicleEF	LDT1	1.1510e-003	2.7150e-003
tblVehicleEF	LDT1	0.01	0.05
tblVehicleEF	LDT1	0.04	0.17
tblVehicleEF	LDT1	0.01	0.05
tblVehicleEF	LDT1	3.8810e-003	0.02
tblVehicleEF	LDT1	0.05	0.13
tblVehicleEF	LDT1	0.01	0.16
tblVehicleEF	LDT1	2.0110e-003	3.0910e-003
tblVehicleEF	LDT1	4.6300e-004	7.5400e-004
tblVehicleEF	LDT1	0.01	0.05
tblVehicleEF	LDT1	0.04	0.17
tblVehicleEF	LDT1	0.01	0.05
tblVehicleEF	LDT1	5.6610e-003	0.03
tblVehicleEF	LDT1	0.05	0.13
tblVehicleEF	LDT1	0.01	0.17

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tblVehicleEF	LDT1	1.7100e-003	7.5550e-003
tblVehicleEF	LDT1	8.3600e-004	9.7390e-003
tblVehicleEF	LDT1	0.33	0.97
tblVehicleEF	LDT1	0.37	1.87
tblVehicleEF	LDT1	213.44	327.25
tblVehicleEF	LDT1	45.61	71.29
tblVehicleEF	LDT1	0.02	0.08
tblVehicleEF	LDT1	0.02	0.12
tblVehicleEF	LDT1	7.7800e-004	2.0810e-003
tblVehicleEF	LDT1	1.2520e-003	2.9520e-003
tblVehicleEF	LDT1	7.1600e-004	1.9150e-003
tblVehicleEF	LDT1	1.1510e-003	2.7150e-003
tblVehicleEF	LDT1	0.03	0.14
tblVehicleEF	LDT1	0.04	0.19
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	4.2380e-003	0.02
tblVehicleEF	LDT1	0.04	0.12
tblVehicleEF	LDT1	0.01	0.13
tblVehicleEF	LDT1	2.1360e-003	3.2820e-003
tblVehicleEF	LDT1	4.6200e-004	7.4500e-004
tblVehicleEF	LDT1	0.03	0.14
tblVehicleEF	LDT1	0.04	0.19
tblVehicleEF	LDT1	0.02	0.09
tblVehicleEF	LDT1	6.1820e-003	0.03
tblVehicleEF	LDT1	0.04	0.12
tblVehicleEF	LDT1	0.01	0.14
tblVehicleEF	LDT1	1.5370e-003	6.9480e-003

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tblVehicleEF	LDT1	1.1010e-003	0.01
tblVehicleEF	LDT1	0.29	0.87
tblVehicleEF	LDT1	0.54	2.75
tblVehicleEF	LDT1	200.20	307.04
tblVehicleEF	LDT1	45.61	71.29
tblVehicleEF	LDT1	0.03	0.10
tblVehicleEF	LDT1	0.02	0.14
tblVehicleEF	LDT1	7.7800e-004	2.0810e-003
tblVehicleEF	LDT1	1.2520e-003	2.9520e-003
tblVehicleEF	LDT1	7.1600e-004	1.9150e-003
tblVehicleEF	LDT1	1.1510e-003	2.7150e-003
tblVehicleEF	LDT1	7.2810e-003	0.03
tblVehicleEF	LDT1	0.04	0.19
tblVehicleEF	LDT1	6.6890e-003	0.02
tblVehicleEF	LDT1	3.8110e-003	0.02
tblVehicleEF	LDT1	0.06	0.16
tblVehicleEF	LDT1	0.01	0.18
tblVehicleEF	LDT1	2.0030e-003	3.0790e-003
tblVehicleEF	LDT1	4.6400e-004	7.6100e-004
tblVehicleEF	LDT1	7.2810e-003	0.03
tblVehicleEF	LDT1	0.04	0.19
tblVehicleEF	LDT1	6.6890e-003	0.02
tblVehicleEF	LDT1	5.5580e-003	0.03
tblVehicleEF	LDT1	0.06	0.16
tblVehicleEF	LDT1	0.02	0.19
tblVehicleEF	LDT2	1.7770e-003	4.8240e-003
tblVehicleEF	LDT2	1.2300e-003	6.8240e-003

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tblVehicleEF	LDT2	0.35	0.62
tblVehicleEF	LDT2	0.53	1.46
tblVehicleEF	LDT2	232.52	353.16
tblVehicleEF	LDT2	52.40	81.40
tblVehicleEF	LDT2	0.03	0.07
tblVehicleEF	LDT2	0.02	0.12
tblVehicleEF	LDT2	7.5000e-004	1.6750e-003
tblVehicleEF	LDT2	1.1780e-003	2.2910e-003
tblVehicleEF	LDT2	6.9000e-004	1.5400e-003
tblVehicleEF	LDT2	1.0830e-003	2.1060e-003
tblVehicleEF	LDT2	0.01	0.03
tblVehicleEF	LDT2	0.04	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	4.4230e-003	0.01
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.02	0.09
tblVehicleEF	LDT2	2.3260e-003	3.5350e-003
tblVehicleEF	LDT2	5.3200e-004	8.3800e-004
tblVehicleEF	LDT2	0.01	0.03
tblVehicleEF	LDT2	0.04	0.08
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	6.4450e-003	0.02
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.02	0.10
tblVehicleEF	LDT2	1.9410e-003	5.2570e-003
tblVehicleEF	LDT2	1.0890e-003	5.7390e-003
tblVehicleEF	LDT2	0.40	0.70

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tblVehicleEF	LDT2	0.46	1.16
tblVehicleEF	LDT2	246.96	375.24
tblVehicleEF	LDT2	52.40	81.40
tblVehicleEF	LDT2	0.02	0.06
tblVehicleEF	LDT2	0.02	0.10
tblVehicleEF	LDT2	7.5000e-004	1.6750e-003
tblVehicleEF	LDT2	1.1780e-003	2.2910e-003
tblVehicleEF	LDT2	6.9000e-004	1.5400e-003
tblVehicleEF	LDT2	1.0830e-003	2.1060e-003
tblVehicleEF	LDT2	0.03	0.07
tblVehicleEF	LDT2	0.04	0.09
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	4.8280e-003	0.01
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.01	0.08
tblVehicleEF	LDT2	2.4710e-003	3.7570e-003
tblVehicleEF	LDT2	5.3100e-004	8.3300e-004
tblVehicleEF	LDT2	0.03	0.07
tblVehicleEF	LDT2	0.04	0.09
tblVehicleEF	LDT2	0.03	0.05
tblVehicleEF	LDT2	7.0370e-003	0.02
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.02	0.08
tblVehicleEF	LDT2	1.7450e-003	4.7440e-003
tblVehicleEF	LDT2	1.3300e-003	7.5960e-003
tblVehicleEF	LDT2	0.35	0.62
tblVehicleEF	LDT2	0.58	1.67

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tblVehicleEF	LDT2	231.64	351.80
tblVehicleEF	LDT2	52.40	81.40
tblVehicleEF	LDT2	0.03	0.08
tblVehicleEF	LDT2	0.02	0.12
tblVehicleEF	LDT2	7.5000e-004	1.6750e-003
tblVehicleEF	LDT2	1.1780e-003	2.2910e-003
tblVehicleEF	LDT2	6.9000e-004	1.5400e-003
tblVehicleEF	LDT2	1.0830e-003	2.1060e-003
tblVehicleEF	LDT2	8.0620e-003	0.02
tblVehicleEF	LDT2	0.04	0.09
tblVehicleEF	LDT2	7.2960e-003	0.01
tblVehicleEF	LDT2	4.3430e-003	0.01
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.10
tblVehicleEF	LDT2	2.3180e-003	3.5210e-003
tblVehicleEF	LDT2	5.3300e-004	8.4200e-004
tblVehicleEF	LDT2	8.0620e-003	0.02
tblVehicleEF	LDT2	0.04	0.09
tblVehicleEF	LDT2	7.2960e-003	0.01
tblVehicleEF	LDT2	6.3290e-003	0.02
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.11
tblVehicleEF	LHD1	2.7340e-003	5.9530e-003
tblVehicleEF	LHD1	4.8360e-003	0.02
tblVehicleEF	LHD1	3.9410e-003	0.02
tblVehicleEF	LHD1	0.13	0.15
tblVehicleEF	LHD1	0.44	1.02

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tblVehicleEF	LHD1	1.00	2.79
tblVehicleEF	LHD1	8.81	9.00
tblVehicleEF	LHD1	608.99	697.03
tblVehicleEF	LHD1	21.86	33.32
tblVehicleEF	LHD1	0.05	0.08
tblVehicleEF	LHD1	0.13	1.00
tblVehicleEF	LHD1	0.32	1.01
tblVehicleEF	LHD1	6.5300e-004	8.9300e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.3700e-003	0.01
tblVehicleEF	LHD1	4.5600e-004	1.0030e-003
tblVehicleEF	LHD1	6.2500e-004	8.5400e-004
tblVehicleEF	LHD1	2.6550e-003	2.5100e-003
tblVehicleEF	LHD1	6.0660e-003	0.01
tblVehicleEF	LHD1	4.1900e-004	9.2300e-004
tblVehicleEF	LHD1	6.5800e-004	1.9060e-003
tblVehicleEF	LHD1	0.03	0.09
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	5.1300e-004	1.1540e-003
tblVehicleEF	LHD1	0.09	0.12
tblVehicleEF	LHD1	0.08	0.29
tblVehicleEF	LHD1	0.05	0.28
tblVehicleEF	LHD1	8.7000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9330e-003	6.8450e-003
tblVehicleEF	LHD1	2.3600e-004	3.8600e-004
tblVehicleEF	LHD1	6.5800e-004	1.9060e-003
tblVehicleEF	LHD1	0.03	0.09

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tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	5.1300e-004	1.1540e-003
tblVehicleEF	LHD1	0.10	0.14
tblVehicleEF	LHD1	0.08	0.29
tblVehicleEF	LHD1	0.06	0.31
tblVehicleEF	LHD1	2.7340e-003	5.9530e-003
tblVehicleEF	LHD1	4.8690e-003	0.02
tblVehicleEF	LHD1	3.7070e-003	0.02
tblVehicleEF	LHD1	0.13	0.15
tblVehicleEF	LHD1	0.45	1.04
tblVehicleEF	LHD1	0.93	2.58
tblVehicleEF	LHD1	8.81	9.00
tblVehicleEF	LHD1	608.99	697.03
tblVehicleEF	LHD1	21.86	33.32
tblVehicleEF	LHD1	0.05	0.08
tblVehicleEF	LHD1	0.12	0.96
tblVehicleEF	LHD1	0.29	0.94
tblVehicleEF	LHD1	6.5300e-004	8.9300e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.3700e-003	0.01
tblVehicleEF	LHD1	4.5600e-004	1.0030e-003
tblVehicleEF	LHD1	6.2500e-004	8.5400e-004
tblVehicleEF	LHD1	2.6550e-003	2.5100e-003
tblVehicleEF	LHD1	6.0660e-003	0.01
tblVehicleEF	LHD1	4.1900e-004	9.2300e-004
tblVehicleEF	LHD1	1.4780e-003	4.6430e-003
tblVehicleEF	LHD1	0.03	0.10

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tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	8.1400e-004	1.9900e-003
tblVehicleEF	LHD1	0.09	0.12
tblVehicleEF	LHD1	0.08	0.28
tblVehicleEF	LHD1	0.05	0.26
tblVehicleEF	LHD1	8.7000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9330e-003	6.8460e-003
tblVehicleEF	LHD1	2.3500e-004	3.8200e-004
tblVehicleEF	LHD1	1.4780e-003	4.6430e-003
tblVehicleEF	LHD1	0.03	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	8.1400e-004	1.9900e-003
tblVehicleEF	LHD1	0.10	0.15
tblVehicleEF	LHD1	0.08	0.28
tblVehicleEF	LHD1	0.05	0.29
tblVehicleEF	LHD1	2.7340e-003	5.9530e-003
tblVehicleEF	LHD1	4.8150e-003	0.02
tblVehicleEF	LHD1	4.1170e-003	0.02
tblVehicleEF	LHD1	0.13	0.15
tblVehicleEF	LHD1	0.44	1.01
tblVehicleEF	LHD1	1.06	2.98
tblVehicleEF	LHD1	8.81	9.00
tblVehicleEF	LHD1	608.99	697.03
tblVehicleEF	LHD1	21.86	33.32
tblVehicleEF	LHD1	0.05	0.08
tblVehicleEF	LHD1	0.13	1.03
tblVehicleEF	LHD1	0.33	1.07

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tblVehicleEF	LHD1	6.5300e-004	8.9300e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.3700e-003	0.01
tblVehicleEF	LHD1	4.5600e-004	1.0030e-003
tblVehicleEF	LHD1	6.2500e-004	8.5400e-004
tblVehicleEF	LHD1	2.6550e-003	2.5100e-003
tblVehicleEF	LHD1	6.0660e-003	0.01
tblVehicleEF	LHD1	4.1900e-004	9.2300e-004
tblVehicleEF	LHD1	4.5200e-004	1.0940e-003
tblVehicleEF	LHD1	0.03	0.10
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	2.3900e-004	4.8400e-004
tblVehicleEF	LHD1	0.09	0.12
tblVehicleEF	LHD1	0.09	0.32
tblVehicleEF	LHD1	0.06	0.29
tblVehicleEF	LHD1	8.7000e-005	9.0000e-005
tblVehicleEF	LHD1	5.9330e-003	6.8450e-003
tblVehicleEF	LHD1	2.3700e-004	3.8900e-004
tblVehicleEF	LHD1	4.5200e-004	1.0940e-003
tblVehicleEF	LHD1	0.03	0.10
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.3900e-004	4.8400e-004
tblVehicleEF	LHD1	0.10	0.14
tblVehicleEF	LHD1	0.09	0.32
tblVehicleEF	LHD1	0.06	0.32
tblVehicleEF	LHD2	2.1450e-003	4.0800e-003
tblVehicleEF	LHD2	4.7740e-003	8.4930e-003

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tblVehicleEF	LHD2	1.9850e-003	8.4900e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.44	0.54
tblVehicleEF	LHD2	0.82	1.40
tblVehicleEF	LHD2	13.31	13.93
tblVehicleEF	LHD2	662.69	721.52
tblVehicleEF	LHD2	21.00	26.06
tblVehicleEF	LHD2	0.05	0.11
tblVehicleEF	LHD2	0.07	0.67
tblVehicleEF	LHD2	0.18	0.53
tblVehicleEF	LHD2	8.6600e-004	1.2940e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.2630e-003	0.01
tblVehicleEF	LHD2	3.8300e-004	4.6600e-004
tblVehicleEF	LHD2	8.2800e-004	1.2380e-003
tblVehicleEF	LHD2	2.7110e-003	2.6730e-003
tblVehicleEF	LHD2	6.9250e-003	0.01
tblVehicleEF	LHD2	3.5200e-004	4.2900e-004
tblVehicleEF	LHD2	3.5900e-004	6.8600e-004
tblVehicleEF	LHD2	0.01	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.7800e-004	4.2200e-004
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.03	0.08
tblVehicleEF	LHD2	0.03	0.11
tblVehicleEF	LHD2	1.3000e-004	1.3600e-004
tblVehicleEF	LHD2	6.4370e-003	7.0230e-003

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tblVehicleEF	LHD2	2.2300e-004	2.8600e-004
tblVehicleEF	LHD2	3.5900e-004	6.8600e-004
tblVehicleEF	LHD2	0.01	0.03
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	2.7800e-004	4.2200e-004
tblVehicleEF	LHD2	0.10	0.12
tblVehicleEF	LHD2	0.03	0.08
tblVehicleEF	LHD2	0.03	0.13
tblVehicleEF	LHD2	2.1450e-003	4.0800e-003
tblVehicleEF	LHD2	4.7980e-003	8.6470e-003
tblVehicleEF	LHD2	1.9690e-003	8.0060e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.44	0.55
tblVehicleEF	LHD2	0.77	1.29
tblVehicleEF	LHD2	13.31	13.93
tblVehicleEF	LHD2	662.69	721.52
tblVehicleEF	LHD2	21.00	26.06
tblVehicleEF	LHD2	0.05	0.11
tblVehicleEF	LHD2	0.07	0.64
tblVehicleEF	LHD2	0.18	0.49
tblVehicleEF	LHD2	8.6600e-004	1.2940e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.2630e-003	0.01
tblVehicleEF	LHD2	3.8300e-004	4.6600e-004
tblVehicleEF	LHD2	8.2800e-004	1.2380e-003
tblVehicleEF	LHD2	2.7110e-003	2.6730e-003
tblVehicleEF	LHD2	6.9250e-003	0.01

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tblVehicleEF	LHD2	3.5200e-004	4.2900e-004
tblVehicleEF	LHD2	8.2100e-004	1.6760e-003
tblVehicleEF	LHD2	0.01	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.5000e-004	7.3400e-004
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.03	0.08
tblVehicleEF	LHD2	0.03	0.11
tblVehicleEF	LHD2	1.3000e-004	1.3600e-004
tblVehicleEF	LHD2	6.4370e-003	7.0230e-003
tblVehicleEF	LHD2	2.2300e-004	2.8400e-004
tblVehicleEF	LHD2	8.2100e-004	1.6760e-003
tblVehicleEF	LHD2	0.01	0.03
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	4.5000e-004	7.3400e-004
tblVehicleEF	LHD2	0.10	0.12
tblVehicleEF	LHD2	0.03	0.08
tblVehicleEF	LHD2	0.03	0.12
tblVehicleEF	LHD2	2.1450e-003	4.0800e-003
tblVehicleEF	LHD2	4.7590e-003	8.3920e-003
tblVehicleEF	LHD2	1.9980e-003	8.8550e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.44	0.54
tblVehicleEF	LHD2	0.87	1.48
tblVehicleEF	LHD2	13.31	13.93
tblVehicleEF	LHD2	662.69	721.52
tblVehicleEF	LHD2	21.00	26.06

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tblVehicleEF	LHD2	0.05	0.11
tblVehicleEF	LHD2	0.07	0.68
tblVehicleEF	LHD2	0.18	0.55
tblVehicleEF	LHD2	8.6600e-004	1.2940e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.2630e-003	0.01
tblVehicleEF	LHD2	3.8300e-004	4.6600e-004
tblVehicleEF	LHD2	8.2800e-004	1.2380e-003
tblVehicleEF	LHD2	2.7110e-003	2.6730e-003
tblVehicleEF	LHD2	6.9250e-003	0.01
tblVehicleEF	LHD2	3.5200e-004	4.2900e-004
tblVehicleEF	LHD2	2.4300e-004	3.9800e-004
tblVehicleEF	LHD2	0.01	0.04
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.2700e-004	1.7800e-004
tblVehicleEF	LHD2	0.09	0.10
tblVehicleEF	LHD2	0.04	0.09
tblVehicleEF	LHD2	0.03	0.12
tblVehicleEF	LHD2	1.3000e-004	1.3600e-004
tblVehicleEF	LHD2	6.4370e-003	7.0230e-003
tblVehicleEF	LHD2	2.2400e-004	2.8700e-004
tblVehicleEF	LHD2	2.4300e-004	3.9800e-004
tblVehicleEF	LHD2	0.01	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.2700e-004	1.7800e-004
tblVehicleEF	LHD2	0.10	0.12
tblVehicleEF	LHD2	0.04	0.09

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tblVehicleEF	LHD2	0.03	0.13
tblVehicleEF	MCY	0.46	0.45
tblVehicleEF	MCY	0.15	0.16
tblVehicleEF	MCY	17.41	19.24
tblVehicleEF	MCY	10.62	10.32
tblVehicleEF	MCY	174.21	171.78
tblVehicleEF	MCY	40.92	44.63
tblVehicleEF	MCY	1.14	1.16
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	2.2680e-003	1.9890e-003
tblVehicleEF	MCY	3.4560e-003	4.0480e-003
tblVehicleEF	MCY	2.1140e-003	1.8600e-003
tblVehicleEF	MCY	3.2230e-003	3.8150e-003
tblVehicleEF	MCY	0.64	0.61
tblVehicleEF	MCY	0.53	0.56
tblVehicleEF	MCY	0.39	0.36
tblVehicleEF	MCY	2.12	2.22
tblVehicleEF	MCY	0.37	0.48
tblVehicleEF	MCY	2.09	2.23
tblVehicleEF	MCY	2.0900e-003	2.0980e-003
tblVehicleEF	MCY	6.4400e-004	6.8100e-004
tblVehicleEF	MCY	0.64	0.61
tblVehicleEF	MCY	0.53	0.56
tblVehicleEF	MCY	0.39	0.36
tblVehicleEF	MCY	2.66	2.76
tblVehicleEF	MCY	0.37	0.48
tblVehicleEF	MCY	2.28	2.43

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tblVehicleEF	MCY	0.45	0.44
tblVehicleEF	MCY	0.13	0.14
tblVehicleEF	MCY	16.43	18.02
tblVehicleEF	MCY	9.11	8.96
tblVehicleEF	MCY	174.21	171.78
tblVehicleEF	MCY	40.92	44.63
tblVehicleEF	MCY	1.01	1.02
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.2680e-003	1.9890e-003
tblVehicleEF	MCY	3.4560e-003	4.0480e-003
tblVehicleEF	MCY	2.1140e-003	1.8600e-003
tblVehicleEF	MCY	3.2230e-003	3.8150e-003
tblVehicleEF	MCY	1.89	1.82
tblVehicleEF	MCY	0.66	0.67
tblVehicleEF	MCY	0.90	0.91
tblVehicleEF	MCY	2.05	2.13
tblVehicleEF	MCY	0.33	0.44
tblVehicleEF	MCY	1.78	1.87
tblVehicleEF	MCY	2.0720e-003	2.0750e-003
tblVehicleEF	MCY	6.1000e-004	6.4700e-004
tblVehicleEF	MCY	1.89	1.82
tblVehicleEF	MCY	0.66	0.67
tblVehicleEF	MCY	0.90	0.91
tblVehicleEF	MCY	2.58	2.65
tblVehicleEF	MCY	0.33	0.44
tblVehicleEF	MCY	1.94	2.03
tblVehicleEF	MCY	0.47	0.47

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tblVehicleEF	MCY	0.17	0.19
tblVehicleEF	MCY	18.53	20.63
tblVehicleEF	MCY	11.99	11.60
tblVehicleEF	MCY	174.21	171.78
tblVehicleEF	MCY	40.92	44.63
tblVehicleEF	MCY	1.22	1.23
tblVehicleEF	MCY	0.34	0.34
tblVehicleEF	MCY	2.2680e-003	1.9890e-003
tblVehicleEF	MCY	3.4560e-003	4.0480e-003
tblVehicleEF	MCY	2.1140e-003	1.8600e-003
tblVehicleEF	MCY	3.2230e-003	3.8150e-003
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.61	0.70
tblVehicleEF	MCY	0.15	0.11
tblVehicleEF	MCY	2.18	2.30
tblVehicleEF	MCY	0.47	0.57
tblVehicleEF	MCY	2.35	2.53
tblVehicleEF	MCY	2.1100e-003	2.1220e-003
tblVehicleEF	MCY	6.7400e-004	7.1100e-004
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.61	0.70
tblVehicleEF	MCY	0.15	0.11
tblVehicleEF	MCY	2.74	2.86
tblVehicleEF	MCY	0.47	0.57
tblVehicleEF	MCY	2.56	2.76
tblVehicleEF	MDV	2.2450e-003	8.1120e-003
tblVehicleEF	MDV	2.2900e-003	0.01

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tblVehicleEF	MDV	0.40	0.94
tblVehicleEF	MDV	0.73	2.59
tblVehicleEF	MDV	306.44	463.56
tblVehicleEF	MDV	68.31	105.24
tblVehicleEF	MDV	0.03	0.12
tblVehicleEF	MDV	0.04	0.22
tblVehicleEF	MDV	8.1700e-004	1.7960e-003
tblVehicleEF	MDV	1.2910e-003	2.4760e-003
tblVehicleEF	MDV	7.5200e-004	1.6560e-003
tblVehicleEF	MDV	1.1870e-003	2.2780e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.08	0.12
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	5.6620e-003	0.02
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.20
tblVehicleEF	MDV	3.0620e-003	4.6380e-003
tblVehicleEF	MDV	6.9400e-004	1.0980e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.08	0.12
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	8.2240e-003	0.03
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.21
tblVehicleEF	MDV	2.4500e-003	8.7820e-003
tblVehicleEF	MDV	1.9780e-003	0.01
tblVehicleEF	MDV	0.46	1.04

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tblVehicleEF	MDV	0.61	2.06
tblVehicleEF	MDV	324.87	491.74
tblVehicleEF	MDV	68.31	105.24
tblVehicleEF	MDV	0.03	0.10
tblVehicleEF	MDV	0.03	0.20
tblVehicleEF	MDV	8.1700e-004	1.7960e-003
tblVehicleEF	MDV	1.2910e-003	2.4760e-003
tblVehicleEF	MDV	7.5200e-004	1.6560e-003
tblVehicleEF	MDV	1.1870e-003	2.2780e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.08	0.13
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	6.1700e-003	0.02
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.03	0.16
tblVehicleEF	MDV	3.2460e-003	4.9210e-003
tblVehicleEF	MDV	6.9200e-004	1.0880e-003
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.08	0.13
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	8.9650e-003	0.03
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.03	0.18
tblVehicleEF	MDV	2.2040e-003	8.0170e-003
tblVehicleEF	MDV	2.5120e-003	0.02
tblVehicleEF	MDV	0.40	0.94
tblVehicleEF	MDV	0.81	2.97

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tblVehicleEF	MDV	305.31	461.83
tblVehicleEF	MDV	68.31	105.24
tblVehicleEF	MDV	0.03	0.13
tblVehicleEF	MDV	0.04	0.24
tblVehicleEF	MDV	8.1700e-004	1.7960e-003
tblVehicleEF	MDV	1.2910e-003	2.4760e-003
tblVehicleEF	MDV	7.5200e-004	1.6560e-003
tblVehicleEF	MDV	1.1870e-003	2.2780e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.08	0.13
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	5.5620e-003	0.02
tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	0.03	0.22
tblVehicleEF	MDV	3.0500e-003	4.6210e-003
tblVehicleEF	MDV	6.9600e-004	1.1040e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.08	0.13
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	8.0780e-003	0.03
tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	0.04	0.24
tblVehicleEF	MH	4.1720e-003	0.03
tblVehicleEF	MH	0.01	0.03
tblVehicleEF	MH	0.18	1.99
tblVehicleEF	MH	3.10	5.76
tblVehicleEF	MH	1,166.17	1,206.23

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tblVehicleEF	MH	55.58	59.16
tblVehicleEF	MH	0.62	1.10
tblVehicleEF	MH	0.52	0.77
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	4.9260e-003	0.02
tblVehicleEF	MH	8.9200e-004	1.2580e-003
tblVehicleEF	MH	3.2190e-003	3.2230e-003
tblVehicleEF	MH	4.6720e-003	0.02
tblVehicleEF	MH	8.2000e-004	1.1620e-003
tblVehicleEF	MH	0.21	0.51
tblVehicleEF	MH	0.02	0.05
tblVehicleEF	MH	0.12	0.22
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	3.0390e-003	0.01
tblVehicleEF	MH	0.18	0.34
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.1000e-004	6.9200e-004
tblVehicleEF	MH	0.21	0.51
tblVehicleEF	MH	0.02	0.05
tblVehicleEF	MH	0.12	0.22
tblVehicleEF	MH	0.03	0.12
tblVehicleEF	MH	3.0390e-003	0.01
tblVehicleEF	MH	0.20	0.37
tblVehicleEF	MH	4.2960e-003	0.03
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.19	2.05
tblVehicleEF	MH	2.86	5.29

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tblVehicleEF	MH	1,166.17	1,206.23
tblVehicleEF	MH	55.58	59.16
tblVehicleEF	MH	0.59	1.04
tblVehicleEF	MH	0.48	0.71
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	4.9260e-003	0.02
tblVehicleEF	MH	8.9200e-004	1.2580e-003
tblVehicleEF	MH	3.2190e-003	3.2230e-003
tblVehicleEF	MH	4.6720e-003	0.02
tblVehicleEF	MH	8.2000e-004	1.1620e-003
tblVehicleEF	MH	0.46	1.24
tblVehicleEF	MH	0.02	0.05
tblVehicleEF	MH	0.20	0.38
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	2.9000e-003	0.01
tblVehicleEF	MH	0.17	0.32
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.0500e-004	6.8400e-004
tblVehicleEF	MH	0.46	1.24
tblVehicleEF	MH	0.02	0.05
tblVehicleEF	MH	0.20	0.38
tblVehicleEF	MH	0.03	0.13
tblVehicleEF	MH	2.9000e-003	0.01
tblVehicleEF	MH	0.19	0.35
tblVehicleEF	MH	4.0930e-003	0.03
tblVehicleEF	MH	0.01	0.03
tblVehicleEF	MH	0.18	1.96

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tblVehicleEF	MH	3.31	6.18
tblVehicleEF	MH	1,166.17	1,206.23
tblVehicleEF	MH	55.58	59.16
tblVehicleEF	MH	0.63	1.14
tblVehicleEF	MH	0.55	0.81
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	4.9260e-003	0.02
tblVehicleEF	MH	8.9200e-004	1.2580e-003
tblVehicleEF	MH	3.2190e-003	3.2230e-003
tblVehicleEF	MH	4.6720e-003	0.02
tblVehicleEF	MH	8.2000e-004	1.1620e-003
tblVehicleEF	MH	0.15	0.28
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.02	0.09
tblVehicleEF	MH	3.3430e-003	0.02
tblVehicleEF	MH	0.19	0.36
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.1300e-004	6.9900e-004
tblVehicleEF	MH	0.15	0.28
tblVehicleEF	MH	0.02	0.07
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.03	0.12
tblVehicleEF	MH	3.3430e-003	0.02
tblVehicleEF	MH	0.21	0.39
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.2510e-003	9.4570e-003

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tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.37	0.46
tblVehicleEF	MHD	0.22	0.61
tblVehicleEF	MHD	2.93	7.34
tblVehicleEF	MHD	131.18	140.96
tblVehicleEF	MHD	1,152.65	1,202.48
tblVehicleEF	MHD	57.97	61.09
tblVehicleEF	MHD	0.33	0.88
tblVehicleEF	MHD	0.94	2.11
tblVehicleEF	MHD	10.00	10.51
tblVehicleEF	MHD	2.8000e-005	2.9600e-003
tblVehicleEF	MHD	2.8130e-003	0.04
tblVehicleEF	MHD	8.3800e-004	9.8200e-004
tblVehicleEF	MHD	2.6000e-005	2.8320e-003
tblVehicleEF	MHD	2.6850e-003	0.04
tblVehicleEF	MHD	7.7100e-004	9.0300e-004
tblVehicleEF	MHD	4.8200e-004	7.6600e-004
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	3.7600e-004	4.5600e-004
tblVehicleEF	MHD	0.04	0.12
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.20	0.43
tblVehicleEF	MHD	1.2640e-003	1.3580e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.3100e-004	7.3900e-004
tblVehicleEF	MHD	4.8200e-004	7.6600e-004

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tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	3.7600e-004	4.5600e-004
tblVehicleEF	MHD	0.04	0.14
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.22	0.47
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.2700e-003	9.6250e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.25	0.32
tblVehicleEF	MHD	0.22	0.62
tblVehicleEF	MHD	2.68	6.71
tblVehicleEF	MHD	139.11	149.47
tblVehicleEF	MHD	1,152.65	1,202.48
tblVehicleEF	MHD	57.97	61.09
tblVehicleEF	MHD	0.34	0.91
tblVehicleEF	MHD	0.91	2.02
tblVehicleEF	MHD	9.97	10.44
tblVehicleEF	MHD	2.3000e-005	2.4950e-003
tblVehicleEF	MHD	2.8130e-003	0.04
tblVehicleEF	MHD	8.3800e-004	9.8200e-004
tblVehicleEF	MHD	2.2000e-005	2.3870e-003
tblVehicleEF	MHD	2.6850e-003	0.04
tblVehicleEF	MHD	7.7100e-004	9.0300e-004
tblVehicleEF	MHD	1.0960e-003	1.9380e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.02	0.03

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tblVehicleEF	MHD	6.0600e-004	8.4000e-004
tblVehicleEF	MHD	0.04	0.12
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.18	0.40
tblVehicleEF	MHD	1.3380e-003	1.4370e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.2700e-004	7.2900e-004
tblVehicleEF	MHD	1.0960e-003	1.9380e-003
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	6.0600e-004	8.4000e-004
tblVehicleEF	MHD	0.04	0.14
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.20	0.44
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.2390e-003	9.3500e-003
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.48	0.61
tblVehicleEF	MHD	0.22	0.61
tblVehicleEF	MHD	3.13	7.83
tblVehicleEF	MHD	120.59	129.57
tblVehicleEF	MHD	1,152.65	1,202.48
tblVehicleEF	MHD	57.97	61.09
tblVehicleEF	MHD	0.31	0.84
tblVehicleEF	MHD	0.96	2.14
tblVehicleEF	MHD	10.02	10.57
tblVehicleEF	MHD	3.4000e-005	3.6010e-003

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tblVehicleEF	MHD	2.8130e-003	0.04
tblVehicleEF	MHD	8.3800e-004	9.8200e-004
tblVehicleEF	MHD	3.2000e-005	3.4460e-003
tblVehicleEF	MHD	2.6850e-003	0.04
tblVehicleEF	MHD	7.7100e-004	9.0300e-004
tblVehicleEF	MHD	3.2900e-004	4.2500e-004
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	1.7400e-004	1.8200e-004
tblVehicleEF	MHD	0.04	0.12
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.21	0.45
tblVehicleEF	MHD	1.1640e-003	1.2500e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.3500e-004	7.4800e-004
tblVehicleEF	MHD	3.2900e-004	4.2500e-004
tblVehicleEF	MHD	0.03	0.05
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	1.7400e-004	1.8200e-004
tblVehicleEF	MHD	0.04	0.14
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.23	0.50
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	3.3860e-003	8.9600e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.24	0.30
tblVehicleEF	OBUS	0.26	0.56

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tblVehicleEF	OBUS	3.68	5.34
tblVehicleEF	OBUS	108.86	140.41
tblVehicleEF	OBUS	1,260.26	1,324.08
tblVehicleEF	OBUS	63.48	65.02
tblVehicleEF	OBUS	0.25	0.88
tblVehicleEF	OBUS	0.80	2.43
tblVehicleEF	OBUS	2.87	3.46
tblVehicleEF	OBUS	2.2000e-005	4.1500e-004
tblVehicleEF	OBUS	2.7910e-003	0.01
tblVehicleEF	OBUS	1.0140e-003	8.3200e-004
tblVehicleEF	OBUS	2.1000e-005	3.9700e-004
tblVehicleEF	OBUS	2.6490e-003	0.01
tblVehicleEF	OBUS	9.3300e-004	7.6700e-004
tblVehicleEF	OBUS	9.6500e-004	8.1000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	5.5100e-004	4.1300e-004
tblVehicleEF	OBUS	0.04	0.08
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.24	0.33
tblVehicleEF	OBUS	1.0500e-003	1.3510e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	6.9900e-004	7.4400e-004
tblVehicleEF	OBUS	9.6500e-004	8.1000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	5.5100e-004	4.1300e-004

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tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.36
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	3.4520e-003	9.1830e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.24	0.28
tblVehicleEF	OBUS	0.27	0.57
tblVehicleEF	OBUS	3.38	4.92
tblVehicleEF	OBUS	114.40	147.81
tblVehicleEF	OBUS	1,260.26	1,324.08
tblVehicleEF	OBUS	63.48	65.02
tblVehicleEF	OBUS	0.25	0.91
tblVehicleEF	OBUS	0.77	2.33
tblVehicleEF	OBUS	2.82	3.39
tblVehicleEF	OBUS	1.9000e-005	3.5000e-004
tblVehicleEF	OBUS	2.7910e-003	0.01
tblVehicleEF	OBUS	1.0140e-003	8.3200e-004
tblVehicleEF	OBUS	1.8000e-005	3.3500e-004
tblVehicleEF	OBUS	2.6490e-003	0.01
tblVehicleEF	OBUS	9.3300e-004	7.6700e-004
tblVehicleEF	OBUS	2.1320e-003	1.9060e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	9.0500e-004	7.3800e-004
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.03	0.02

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tblVehicleEF	OBUS	0.23	0.31
tblVehicleEF	OBUS	1.1030e-003	1.4220e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	6.9400e-004	7.3600e-004
tblVehicleEF	OBUS	2.1320e-003	1.9060e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	9.0500e-004	7.3800e-004
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.34
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	3.3430e-003	8.8210e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.25	0.33
tblVehicleEF	OBUS	0.26	0.55
tblVehicleEF	OBUS	3.91	5.70
tblVehicleEF	OBUS	101.20	130.19
tblVehicleEF	OBUS	1,260.26	1,324.08
tblVehicleEF	OBUS	63.48	65.02
tblVehicleEF	OBUS	0.24	0.84
tblVehicleEF	OBUS	0.82	2.47
tblVehicleEF	OBUS	2.90	3.50
tblVehicleEF	OBUS	2.7000e-005	5.0600e-004
tblVehicleEF	OBUS	2.7910e-003	0.01
tblVehicleEF	OBUS	1.0140e-003	8.3200e-004
tblVehicleEF	OBUS	2.6000e-005	4.8400e-004

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tblVehicleEF	OBUS	2.6490e-003	0.01
tblVehicleEF	OBUS	9.3300e-004	7.6700e-004
tblVehicleEF	OBUS	6.8300e-004	5.0900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	2.2300e-004	1.5100e-004
tblVehicleEF	OBUS	0.04	0.08
tblVehicleEF	OBUS	0.04	0.02
tblVehicleEF	OBUS	0.25	0.35
tblVehicleEF	OBUS	9.7700e-004	1.2540e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.0300e-004	7.5000e-004
tblVehicleEF	OBUS	6.8300e-004	5.0900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.05	0.06
tblVehicleEF	OBUS	2.2300e-004	1.5100e-004
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.04	0.02
tblVehicleEF	OBUS	0.28	0.38
tblVehicleEF	SBUS	0.83	0.90
tblVehicleEF	SBUS	4.3060e-003	0.02
tblVehicleEF	SBUS	0.05	0.08
tblVehicleEF	SBUS	14.20	12.26
tblVehicleEF	SBUS	0.23	1.32
tblVehicleEF	SBUS	10.70	13.94
tblVehicleEF	SBUS	721.75	920.51
tblVehicleEF	SBUS	767.95	905.01

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tblVehicleEF	SBUS	98.88	81.13
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tblVehicleEF	SBUS	0.38	3.03
tblVehicleEF	SBUS	4.24	8.02
tblVehicleEF	SBUS	5.2000e-005	7.0080e-003
tblVehicleEF	SBUS	8.9030e-003	9.5760e-003
tblVehicleEF	SBUS	1.9720e-003	0.02
tblVehicleEF	SBUS	2.1560e-003	1.5400e-003
tblVehicleEF	SBUS	5.0000e-005	6.7050e-003
tblVehicleEF	SBUS	2.2260e-003	2.3940e-003
tblVehicleEF	SBUS	1.8410e-003	0.02
tblVehicleEF	SBUS	1.9820e-003	1.4160e-003
tblVehicleEF	SBUS	5.5260e-003	2.9830e-003
tblVehicleEF	SBUS	0.06	0.04
tblVehicleEF	SBUS	1.72	1.50
tblVehicleEF	SBUS	3.2180e-003	1.3800e-003
tblVehicleEF	SBUS	0.02	0.10
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.59	0.68
tblVehicleEF	SBUS	7.3960e-003	9.2090e-003
tblVehicleEF	SBUS	7.5450e-003	8.8290e-003
tblVehicleEF	SBUS	1.1740e-003	1.0510e-003
tblVehicleEF	SBUS	5.5260e-003	2.9830e-003
tblVehicleEF	SBUS	0.06	0.04
tblVehicleEF	SBUS	2.51	2.18
tblVehicleEF	SBUS	3.2180e-003	1.3800e-003
tblVehicleEF	SBUS	0.03	0.13

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tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.65	0.75
tblVehicleEF	SBUS	0.83	0.90
tblVehicleEF	SBUS	4.4320e-003	0.02
tblVehicleEF	SBUS	0.05	0.07
tblVehicleEF	SBUS	14.19	12.18
tblVehicleEF	SBUS	0.23	1.36
tblVehicleEF	SBUS	8.26	10.76
tblVehicleEF	SBUS	735.66	951.43
tblVehicleEF	SBUS	767.95	905.01
tblVehicleEF	SBUS	98.88	81.13
tblVehicleEF	SBUS	0.83	6.39
tblVehicleEF	SBUS	0.36	2.89
tblVehicleEF	SBUS	4.19	7.95
tblVehicleEF	SBUS	4.4000e-005	5.9080e-003
tblVehicleEF	SBUS	8.9030e-003	9.5760e-003
tblVehicleEF	SBUS	1.9720e-003	0.02
tblVehicleEF	SBUS	2.1560e-003	1.5400e-003
tblVehicleEF	SBUS	4.2000e-005	5.6520e-003
tblVehicleEF	SBUS	2.2260e-003	2.3940e-003
tblVehicleEF	SBUS	1.8410e-003	0.02
tblVehicleEF	SBUS	1.9820e-003	1.4160e-003
tblVehicleEF	SBUS	0.01	7.1210e-003
tblVehicleEF	SBUS	0.06	0.04
tblVehicleEF	SBUS	1.72	1.50
tblVehicleEF	SBUS	5.1850e-003	2.5160e-003
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tblVehicleEF	SBUS	0.03	0.02
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tblVehicleEF	SBUS	7.5290e-003	9.5040e-003
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tblVehicleEF	SBUS	1.1340e-003	9.9800e-004
tblVehicleEF	SBUS	0.01	7.1210e-003
tblVehicleEF	SBUS	0.06	0.04
tblVehicleEF	SBUS	2.51	2.18
tblVehicleEF	SBUS	5.1850e-003	2.5160e-003
tblVehicleEF	SBUS	0.03	0.14
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	0.56	0.65
tblVehicleEF	SBUS	0.83	0.90
tblVehicleEF	SBUS	4.2230e-003	0.02
tblVehicleEF	SBUS	0.06	0.09
tblVehicleEF	SBUS	14.22	12.36
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tblVehicleEF	SBUS	13.05	17.00
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tblVehicleEF	SBUS	767.95	905.01
tblVehicleEF	SBUS	98.88	81.13
tblVehicleEF	SBUS	0.78	5.93
tblVehicleEF	SBUS	0.39	3.09
tblVehicleEF	SBUS	4.28	8.07
tblVehicleEF	SBUS	6.3000e-005	8.5270e-003
tblVehicleEF	SBUS	8.9030e-003	9.5760e-003
tblVehicleEF	SBUS	1.9720e-003	0.02

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tblVehicleEF	SBUS	2.1560e-003	1.5400e-003
tblVehicleEF	SBUS	6.0000e-005	8.1580e-003
tblVehicleEF	SBUS	2.2260e-003	2.3940e-003
tblVehicleEF	SBUS	1.8410e-003	0.02
tblVehicleEF	SBUS	1.9820e-003	1.4160e-003
tblVehicleEF	SBUS	3.9920e-003	1.7810e-003
tblVehicleEF	SBUS	0.06	0.04
tblVehicleEF	SBUS	1.72	1.51
tblVehicleEF	SBUS	1.3180e-003	4.9900e-004
tblVehicleEF	SBUS	0.02	0.10
tblVehicleEF	SBUS	0.05	0.03
tblVehicleEF	SBUS	0.66	0.77
tblVehicleEF	SBUS	7.2130e-003	8.8020e-003
tblVehicleEF	SBUS	7.5450e-003	8.8280e-003
tblVehicleEF	SBUS	1.2140e-003	1.1020e-003
tblVehicleEF	SBUS	3.9920e-003	1.7810e-003
tblVehicleEF	SBUS	0.06	0.04
tblVehicleEF	SBUS	2.51	2.19
tblVehicleEF	SBUS	1.3180e-003	4.9900e-004
tblVehicleEF	SBUS	0.03	0.13
tblVehicleEF	SBUS	0.05	0.03
tblVehicleEF	SBUS	0.72	0.84
tblVehicleEF	UBUS	0.24	0.30
tblVehicleEF	UBUS	0.05	0.03
tblVehicleEF	UBUS	2.12	4.61
tblVehicleEF	UBUS	7.88	6.51
tblVehicleEF	UBUS	1,849.59	2,131.53

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tblVehicleEF	UBUS	139.66	78.94
tblVehicleEF	UBUS	1.60	9.13
tblVehicleEF	UBUS	12.14	16.16
tblVehicleEF	UBUS	0.50	0.66
tblVehicleEF	UBUS	0.02	0.18
tblVehicleEF	UBUS	1.6390e-003	8.2900e-004
tblVehicleEF	UBUS	0.21	0.28
tblVehicleEF	UBUS	0.02	0.17
tblVehicleEF	UBUS	1.5070e-003	7.6300e-004
tblVehicleEF	UBUS	2.6610e-003	1.3940e-003
tblVehicleEF	UBUS	0.05	0.03
tblVehicleEF	UBUS	2.0390e-003	7.8700e-004
tblVehicleEF	UBUS	0.06	0.52
tblVehicleEF	UBUS	0.01	7.1350e-003
tblVehicleEF	UBUS	0.73	0.47
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.5420e-003	9.0600e-004
tblVehicleEF	UBUS	2.6610e-003	1.3940e-003
tblVehicleEF	UBUS	0.05	0.03
tblVehicleEF	UBUS	2.0390e-003	7.8700e-004
tblVehicleEF	UBUS	0.31	0.86
tblVehicleEF	UBUS	0.01	7.1350e-003
tblVehicleEF	UBUS	0.80	0.51
tblVehicleEF	UBUS	0.24	0.30
tblVehicleEF	UBUS	0.05	0.03
tblVehicleEF	UBUS	2.13	4.64
tblVehicleEF	UBUS	6.43	5.24

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tblVehicleEF	UBUS	1,849.59	2,131.53
tblVehicleEF	UBUS	139.66	78.94
tblVehicleEF	UBUS	1.53	8.76
tblVehicleEF	UBUS	12.05	16.11
tblVehicleEF	UBUS	0.50	0.66
tblVehicleEF	UBUS	0.02	0.18
tblVehicleEF	UBUS	1.6390e-003	8.2900e-004
tblVehicleEF	UBUS	0.21	0.28
tblVehicleEF	UBUS	0.02	0.17
tblVehicleEF	UBUS	1.5070e-003	7.6300e-004
tblVehicleEF	UBUS	6.0910e-003	3.5600e-003
tblVehicleEF	UBUS	0.05	0.03
tblVehicleEF	UBUS	3.3660e-003	1.4700e-003
tblVehicleEF	UBUS	0.06	0.53
tblVehicleEF	UBUS	0.01	6.3910e-003
tblVehicleEF	UBUS	0.65	0.41
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.5160e-003	8.8400e-004
tblVehicleEF	UBUS	6.0910e-003	3.5600e-003
tblVehicleEF	UBUS	0.05	0.03
tblVehicleEF	UBUS	3.3660e-003	1.4700e-003
tblVehicleEF	UBUS	0.31	0.87
tblVehicleEF	UBUS	0.01	6.3910e-003
tblVehicleEF	UBUS	0.71	0.45
tblVehicleEF	UBUS	0.24	0.30
tblVehicleEF	UBUS	0.06	0.04
tblVehicleEF	UBUS	2.12	4.58

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tblVehicleEF	UBUS	9.06	7.57
tblVehicleEF	UBUS	1,849.59	2,131.53
tblVehicleEF	UBUS	139.66	78.94
tblVehicleEF	UBUS	1.63	9.27
tblVehicleEF	UBUS	12.20	16.20
tblVehicleEF	UBUS	0.50	0.66
tblVehicleEF	UBUS	0.02	0.18
tblVehicleEF	UBUS	1.6390e-003	8.2900e-004
tblVehicleEF	UBUS	0.21	0.28
tblVehicleEF	UBUS	0.02	0.17
tblVehicleEF	UBUS	1.5070e-003	7.6300e-004
tblVehicleEF	UBUS	2.0140e-003	8.3600e-004
tblVehicleEF	UBUS	0.05	0.04
tblVehicleEF	UBUS	8.9900e-004	2.7100e-004
tblVehicleEF	UBUS	0.06	0.52
tblVehicleEF	UBUS	0.02	8.7200e-003
tblVehicleEF	UBUS	0.80	0.51
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.5620e-003	9.2400e-004
tblVehicleEF	UBUS	2.0140e-003	8.3600e-004
tblVehicleEF	UBUS	0.05	0.04
tblVehicleEF	UBUS	8.9900e-004	2.7100e-004
tblVehicleEF	UBUS	0.31	0.86
tblVehicleEF	UBUS	0.02	8.7200e-003
tblVehicleEF	UBUS	0.87	0.56
tblVehicleTrips	CC_TL	7.30	4.47
tblVehicleTrips	CC_TL	7.30	4.47

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tblVehicleTrips	CC_TL	7.30	4.47
tblVehicleTrips	CC_TL	7.30	4.47
tblVehicleTrips	CC_TL	7.30	4.47
tblVehicleTrips	CC_TL	7.30	4.47
tblVehicleTrips	CC_TL	7.30	4.47
tblVehicleTrips	CC_TTP	0.00	64.40
tblVehicleTrips	CNW_TL	7.30	4.47
tblVehicleTrips	CNW_TL	7.30	4.47
tblVehicleTrips	CNW_TL	7.30	4.47
tblVehicleTrips	CNW_TL	7.30	4.47
tblVehicleTrips	CNW_TL	7.30	4.47
tblVehicleTrips	CNW_TL	7.30	4.47
tblVehicleTrips	CNW_TL	7.30	4.47
tblVehicleTrips	CNW_TL	7.30	4.47
tblVehicleTrips	CNW_TTP	0.00	19.00
tblVehicleTrips	CW_TL	9.50	4.47
tblVehicleTrips	CW_TL	9.50	4.47
tblVehicleTrips	CW_TL	9.50	4.47
tblVehicleTrips	CW_TL	9.50	4.47
tblVehicleTrips	CW_TL	9.50	4.47
tblVehicleTrips	CW_TL	9.50	4.47
tblVehicleTrips	CW_TL	9.50	4.47
tblVehicleTrips	CW_TL	9.50	4.47
tblVehicleTrips	CW_TTP	0.00	16.60
tblVehicleTrips	DV_TP	0.00	40.00
tblVehicleTrips	HO_TL	5.70	4.47
tblVehicleTrips	HO_TL	5.70	4.47
tblVehicleTrips	HO_TL	5.70	4.47
tblVehicleTrips	HS_TL	4.80	4.47

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tblVehicleTrips	HS_TL	4.80	4.47
tblVehicleTrips	HS_TL	4.80	4.47
tblVehicleTrips	HW_TL	10.80	4.47
tblVehicleTrips	HW_TL	10.80	4.47
tblVehicleTrips	HW_TL	10.80	4.47
tblVehicleTrips	PB_TP	0.00	15.00
tblVehicleTrips	PR_TP	0.00	45.00
tblVehicleTrips	ST_TR	0.00	44.32
tblVehicleTrips	SU_TR	0.00	44.32
tblVehicleTrips	WD_TR	0.00	44.32
tblWoodstoves	WoodstoveWoodMass	582.40	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00
tblWoodstoves	WoodstoveWoodMass	956.80	0.00

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	24.9793	0.3612	22.2464	1.8500e-003		0.1321	0.1321		0.1321	0.1321	0.0000	157.9640	157.9640	0.0371	2.2300e-003	159.5549
Energy	0.9917	8.8508	6.3656	0.0541		0.6852	0.6852		0.6852	0.6852	0.0000	23,014.3856	23,014.3856	0.7850	0.3034	23,124.4292
Mobile	18.1383	45.6148	151.8936	0.3721	31.3662	0.4406	31.8068	8.4285	0.4129	8.8414	0.0000	33,976.1984	33,976.1984	1.4871	0.0000	34,013.3769
Waste						0.0000	0.0000		0.0000	0.0000	839.6518	0.0000	839.6518	49.6220	0.0000	2,080.2018
Water						0.0000	0.0000		0.0000	0.0000	214.3179	1,307.9548	1,522.2728	22.0717	0.5320	2,232.5998
Total	44.1092	54.8268	180.5056	0.4280	31.3662	1.2579	32.6241	8.4285	1.2301	9.6587	1,053.9698	58,456.5028	59,510.4726	74.0028	0.8377	61,610.1626

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	24.9793	0.3612	22.2464	1.8500e-003		0.1321	0.1321		0.1321	0.1321	0.0000	157.9640	157.9640	0.0371	2.2300e-003	159.5549
Energy	0.9917	8.8508	6.3656	0.0541		0.6852	0.6852		0.6852	0.6852	0.0000	23,014.3856	23,014.3856	0.7850	0.3034	23,124.4292
Mobile	16.5420	36.9954	118.5598	0.2287	18.0284	0.2931	18.3215	4.8445	0.2741	5.1186	0.0000	20,856.9768	20,856.9768	1.0589	0.0000	20,883.4494
Waste						0.0000	0.0000		0.0000	0.0000	839.6518	0.0000	839.6518	49.6220	0.0000	2,080.2018
Water						0.0000	0.0000		0.0000	0.0000	214.3179	1,307.9548	1,522.2728	22.0717	0.5320	2,232.5998
Total	42.5130	46.2074	147.1718	0.2846	18.0284	1.1104	19.1388	4.8445	1.0914	5.9359	1,053.9698	45,337.2811	46,391.2509	73.5746	0.8377	48,480.2351

	ROG	NOx	CO	SO2	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	3.62	15.72	18.47	33.51	42.52	11.73	41.34	42.52	11.28	38.54	0.00	22.44	22.05	0.58	0.00	21.31

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	12/31/2018	5	0	
2	Grading	Grading	1/3/2019	1/2/2019	5	0	
3	Paving	Paving	1/12/2019	1/11/2019	5	0	
4	Building Construction	Building Construction	1/16/2019	1/15/2019	5	0	
5	Architectural Coating	Architectural Coating	1/17/2019	1/16/2019	5	0	
6	Site Preparation	Site Preparation	1/25/2019	1/24/2019	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	231	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
Architectural Coating	Air Compressors	1	6.00	78	0.48
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

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3.7 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Increase Transit Accessibility

Improve Pedestrian Network

Implement Trip Reduction Program

Provide Riade Sharing Program

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	16.5420	36.9954	118.5598	0.2287	18.0284	0.2931	18.3215	4.8445	0.2741	5.1186	0.0000	20,856.9768	20,856.9768	1.0589	0.0000	20,883.4494
Unmitigated	18.1383	45.6148	151.8936	0.3721	31.3662	0.4406	31.8068	8.4285	0.4129	8.8414	0.0000	33,976.1984	33,976.1984	1.4871	0.0000	34,013.3769

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	16,185.63	17,585.60	14908.47	23,415,624	13,458,644
Apartments Mid Rise	3,372.61	3,240.75	2971.96	4,763,914	2,738,164
Automobile Care Center	4,667.62	4,667.62	2337.75	2,424,580	1,393,581
General Light Industry	1,485.52	281.33	144.93	1,703,547	979,151
General Office Building	9,558.38	2,131.79	909.91	9,669,956	5,558,019
Manufacturing	549.74	214.43	89.22	662,070	380,539
Quality Restaurant	52,057.66	54,609.91	41761.88	36,049,420	20,720,196
Single Family Housing	353.67	368.16	320.23	507,183	291,515
Unrefrigerated Warehouse-No Rail	358.06	358.06	358.06	543,656	312,478
User Defined Retail	5,415.46	5,415.46	5415.46	4,875,832	2,802,491
Total	94,004.35	88,873.10	69,217.86	84,615,781	48,634,778

4.3 Trip Type Information

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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
Apartments Low Rise	4.47	4.47	4.47	31.00	15.00	54.00	86	11	3
Apartments Mid Rise	4.47	4.47	4.47	31.00	15.00	54.00	86	11	3
Automobile Care Center	4.47	4.47	4.47	33.00	48.00	19.00	21	51	28
General Light Industry	4.47	4.47	4.47	59.00	28.00	13.00	92	5	3
General Office Building	4.47	4.47	4.47	33.00	48.00	19.00	77	19	4
Manufacturing	4.47	4.47	4.47	59.00	28.00	13.00	92	5	3
Quality Restaurant	4.47	4.47	4.47	12.00	69.00	19.00	38	18	44
Single Family Housing	4.47	4.47	4.47	31.00	15.00	54.00	86	11	3
Unrefrigerated Warehouse-No	4.47	4.47	4.47	59.00	0.00	41.00	92	5	3
User Defined Retail	4.47	4.47	4.47	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741
Apartments Mid Rise	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741
Automobile Care Center	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741
General Light Industry	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741
General Office Building	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741
Manufacturing	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741
Quality Restaurant	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741
Single Family Housing	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741
Unrefrigerated Warehouse-No Rail	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741
User Defined Retail	0.490452	0.049742	0.253638	0.136789	0.017926	0.006526	0.021436	0.006323	0.003943	0.003278	0.008771	0.000435	0.000741

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	13,199.9350	13,199.9350	0.5969	0.1235	13,251.6563
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	13,199.9350	13,199.9350	0.5969	0.1235	13,251.6563
NaturalGas Mitigated	0.9917	8.8508	6.3656	0.0541		0.6852	0.6852		0.6852	0.6852	0.0000	9,814.4505	9,814.4505	0.1881	0.1799	9,872.7729
NaturalGas Unmitigated	0.9917	8.8508	6.3656	0.0541		0.6852	0.6852		0.6852	0.6852	0.0000	9,814.4505	9,814.4505	0.1881	0.1799	9,872.7729

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.99802e+007	0.2695	2.3030	0.9800	0.0147		0.1862	0.1862		0.1862	0.1862	0.0000	2,667.1340	2,667.1340	0.0511	0.0489	2,682.9834
Apartments Mid Rise	4.42772e+006	0.0239	0.2040	0.0868	1.3000e-003		0.0165	0.0165		0.0165	0.0165	0.0000	236.2803	236.2803	4.5300e-003	4.3300e-003	237.6844
Automobile Care Center	4.87019e+006	0.0263	0.2387	0.2005	1.4300e-003		0.0181	0.0181		0.0181	0.0181	0.0000	259.8921	259.8921	4.9800e-003	4.7600e-003	261.4365
General Light Industry	5.27498e+006	0.0284	0.2586	0.2172	1.5500e-003		0.0197	0.0197		0.0197	0.0197	0.0000	281.4932	281.4932	5.4000e-003	5.1600e-003	283.1659
General Office Building	1.6751e+007	0.0903	0.8211	0.6898	4.9300e-003		0.0624	0.0624		0.0624	0.0624	0.0000	893.8974	893.8974	0.0171	0.0164	899.2094
Manufacturing	3.56174e+006	0.0192	0.1746	0.1467	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	190.0681	190.0681	3.6400e-003	3.4800e-003	191.1975
Quality Restaurant	9.71814e+007	0.5240	4.7638	4.0016	0.0286		0.3621	0.3621		0.3621	0.3621	0.0000	5,185.9711	5,185.9711	0.0994	0.0951	5,216.7887
Single Family Housing	1.57233e+006	8.4800e-003	0.0725	0.0308	4.6000e-004		5.8600e-003	5.8600e-003		5.8600e-003	5.8600e-003	0.0000	83.9054	83.9054	1.6100e-003	1.5400e-003	84.4040
Unrefrigerated Warehouse-No Rail	296252	1.6000e-003	0.0145	0.0122	9.0000e-005		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003	0.0000	15.8091	15.8091	3.0000e-004	2.9000e-004	15.9031
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.9917	8.8509	6.3656	0.0541		0.6852	0.6852		0.6852	0.6852	0.0000	9,814.4505	9,814.4505	0.1881	0.1799	9,872.7729

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	4.99802e+007	0.2695	2.3030	0.9800	0.0147		0.1862	0.1862		0.1862	0.1862	0.0000	2,667.1340	2,667.1340	0.0511	0.0489	2,682.9834
Apartments Mid Rise	4.42772e+006	0.0239	0.2040	0.0868	1.3000e-003		0.0165	0.0165		0.0165	0.0165	0.0000	236.2803	236.2803	4.5300e-003	4.3300e-003	237.6844
Automobile Care Center	4.87019e+006	0.0263	0.2387	0.2005	1.4300e-003		0.0181	0.0181		0.0181	0.0181	0.0000	259.8921	259.8921	4.9800e-003	4.7600e-003	261.4365
General Light Industry	5.27498e+006	0.0284	0.2586	0.2172	1.5500e-003		0.0197	0.0197		0.0197	0.0197	0.0000	281.4932	281.4932	5.4000e-003	5.1600e-003	283.1659
General Office Building	1.6751e+007	0.0903	0.8211	0.6898	4.9300e-003		0.0624	0.0624		0.0624	0.0624	0.0000	893.8974	893.8974	0.0171	0.0164	899.2094
Manufacturing	3.56174e+006	0.0192	0.1746	0.1467	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	190.0681	190.0681	3.6400e-003	3.4800e-003	191.1975
Quality Restaurant	9.71814e+007	0.5240	4.7638	4.0016	0.0286		0.3621	0.3621		0.3621	0.3621	0.0000	5,185.9711	5,185.9711	0.0994	0.0951	5,216.7887
Single Family Housing	1.57233e+006	8.4800e-003	0.0725	0.0308	4.6000e-004		5.8600e-003	5.8600e-003		5.8600e-003	5.8600e-003	0.0000	83.9054	83.9054	1.6100e-003	1.5400e-003	84.4040
Unrefrigerated Warehouse-No Rail	296252	1.6000e-003	0.0145	0.0122	9.0000e-005		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003	0.0000	15.8091	15.8091	3.0000e-004	2.9000e-004	15.9031
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.9917	8.8509	6.3656	0.0541		0.6852	0.6852		0.6852	0.6852	0.0000	9,814.4505	9,814.4505	0.1881	0.1799	9,872.7729

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.03553e+007	3,012.4806	0.1362	0.0282	3,024.2844
Apartments Mid Rise	2.14122e+006	622.9067	0.0282	5.8300e-003	625.3475
Automobile Care Center	1.48762e+006	432.7666	0.0196	4.0500e-003	434.4623
General Light Industry	1.61127e+006	468.7362	0.0212	4.3900e-003	470.5728
General Office Building	1.08149e+007	3,146.1861	0.1423	0.0294	3,158.5138
Manufacturing	1.08795e+006	316.4971	0.0143	2.9600e-003	317.7372
Quality Restaurant	1.67718e+007	4,879.1040	0.2206	0.0457	4,898.2217
Single Family Housing	296550	86.2697	3.9000e-003	8.1000e-004	86.6077
Unrefrigerated Warehouse-No Rail	807765	234.9881	0.0106	2.2000e-003	235.9089
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		13,199.9350	0.5969	0.1235	13,251.6563

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.03553e+007	3,012.4806	0.1362	0.0282	3,024.2844
Apartments Mid Rise	2.14122e+006	622.9067	0.0282	5.8300e-003	625.3475
Automobile Care Center	1.48762e+006	432.7666	0.0196	4.0500e-003	434.4623
General Light Industry	1.61127e+006	468.7362	0.0212	4.3900e-003	470.5728
General Office Building	1.08149e+007	3,146.1861	0.1423	0.0294	3,158.5138
Manufacturing	1.08795e+006	316.4971	0.0143	2.9600e-003	317.7372
Quality Restaurant	1.67718e+007	4,879.1040	0.2206	0.0457	4,898.2217
Single Family Housing	296550	86.2697	3.9000e-003	8.1000e-004	86.6077
Unrefrigerated Warehouse-No Rail	807765	234.9881	0.0106	2.2000e-003	235.9089
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		13,199.9350	0.5969	0.1235	13,251.6563

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	24.9793	0.3612	22.2464	1.8500e-003		0.1321	0.1321		0.1321	0.1321	0.0000	157.9640	157.9640	0.0371	2.2300e-003	159.5549
Unmitigated	24.9793	0.3612	22.2464	1.8500e-003		0.1321	0.1321		0.1321	0.1321	0.0000	157.9640	157.9640	0.0371	2.2300e-003	159.5549

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.3503					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	20.9513					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0123	0.1049	0.0447	6.7000e-004		8.4800e-003	8.4800e-003		8.4800e-003	8.4800e-003	0.0000	121.5311	121.5311	2.3300e-003	2.2300e-003	122.2533
Landscaping	0.6654	0.2562	22.2018	1.1800e-003		0.1236	0.1236		0.1236	0.1236	0.0000	36.4330	36.4330	0.0348	0.0000	37.3016
Total	24.9793	0.3612	22.2464	1.8500e-003		0.1321	0.1321		0.1321	0.1321	0.0000	157.9640	157.9640	0.0371	2.2300e-003	159.5549

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.3503					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	20.9513					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0123	0.1049	0.0447	6.7000e-004		8.4800e-003	8.4800e-003		8.4800e-003	8.4800e-003	0.0000	121.5311	121.5311	2.3300e-003	2.2300e-003	122.2533
Landscaping	0.6654	0.2562	22.2018	1.1800e-003		0.1236	0.1236		0.1236	0.1236	0.0000	36.4330	36.4330	0.0348	0.0000	37.3016
Total	24.9793	0.3612	22.2464	1.8500e-003		0.1321	0.1321		0.1321	0.1321	0.0000	157.9640	157.9640	0.0371	2.2300e-003	159.5549

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1,522.2728	22.0717	0.5320	2,232.5998
Unmitigated	1,522.2728	22.0717	0.5320	2,232.5998

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7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	160.024 / 100.885	405.3857	5.2304	0.1264	573.8256
Apartments Mid Rise	33.0435 / 20.8318	83.7084	1.0800	0.0261	118.4897
Automobile Care Center	18.5133 / 11.3468	46.5688	0.6051	0.0146	66.0544
General Light Industry	49.2863 / 0	93.2189	1.6095	0.0387	144.9733
General Office Building	154.021 / 94.3997	387.4275	5.0341	0.1217	549.5372
Manufacturing	33.2792 / 0	62.9435	1.0868	0.0261	97.8891
Quality Restaurant	175.667 / 11.2128	343.6693	5.7371	0.1379	528.1777
Single Family Housing	2.42047 / 1.52595	6.1317	0.0791	1.9100e-003	8.6795
Unrefrigerated Warehouse-No Rail	49.2863 / 0	93.2189	1.6095	0.0387	144.9733
User Defined Retail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		1,522.2728	22.0716	0.5320	2,232.5998

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	160.024 / 100.885	405.3857	5.2304	0.1264	573.8256
Apartments Mid Rise	33.0435 / 20.8318	83.7084	1.0800	0.0261	118.4897
Automobile Care Center	18.5133 / 11.3468	46.5688	0.6051	0.0146	66.0544
General Light Industry	49.2863 / 0	93.2189	1.6095	0.0387	144.9733
General Office Building	154.021 / 94.3997	387.4275	5.0341	0.1217	549.5372
Manufacturing	33.2792 / 0	62.9435	1.0868	0.0261	97.8891
Quality Restaurant	175.667 / 11.2128	343.6693	5.7371	0.1379	528.1777
Single Family Housing	2.42047 / 1.52595	6.1317	0.0791	1.9100e-003	8.6795
Unrefrigerated Warehouse-No Rail	49.2863 / 0	93.2189	1.6095	0.0387	144.9733
User Defined Retail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		1,522.2728	22.0716	0.5320	2,232.5998

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	839.6518	49.6220	0.0000	2,080,201 8
Unmitigated	839.6518	49.6220	0.0000	2,080,201 8

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1129.8	229.3392	13.5536	0.0000	568.1781
Apartments Mid Rise	233.29	47.3558	2.7987	0.0000	117.3219
Automobile Care Center	751.7	152.5883	9.0177	0.0000	378.0311
General Light Industry	264.28	53.6465	3.1704	0.0000	132.9068
General Office Building	805.92	163.5945	9.6682	0.0000	405.2984
Manufacturing	178.45	36.2237	2.1408	0.0000	89.7428
Quality Restaurant	528.1	107.1995	6.3353	0.0000	265.5823
Single Family Housing	44.52	9.0372	0.5341	0.0000	22.3892
Unrefrigerated Warehouse-No Rail	200.34	40.6672	2.4034	0.0000	100.7513
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		839.6518	49.6220	0.0000	2,080.2019

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1129.8	229.3392	13.5536	0.0000	568.1781
Apartments Mid Rise	233.29	47.3558	2.7987	0.0000	117.3219
Automobile Care Center	751.7	152.5883	9.0177	0.0000	378.0311
General Light Industry	264.28	53.6465	3.1704	0.0000	132.9068
General Office Building	805.92	163.5945	9.6682	0.0000	405.2984
Manufacturing	178.45	36.2237	2.1408	0.0000	89.7428
Quality Restaurant	528.1	107.1995	6.3353	0.0000	265.5823
Single Family Housing	44.52	9.0372	0.5341	0.0000	22.3892
Unrefrigerated Warehouse-No Rail	200.34	40.6672	2.4034	0.0000	100.7513
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		839.6518	49.6220	0.0000	2,080.2019

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
