

APPENDIX A
**Air Quality/Greenhouse Gas/
Energy Data**

Panattoni Warehouse (only) Project - Los Angeles-South Coast 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 Heavy Industry	292.40	1000sqft	6.71	292,400.00	0
Other Asphalt Surfaces	4.09	Acre	4.09	178,160.40	0
Parking Lot	389.00	Space	3.50	155,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	513	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - SCE 2018 Sustainability report pg10 <https://www.edison.com/content/dam/eix/documents/sustainability/eix-2018-sustainability-report.pdf>

Land Use - 14.2 acre site

Construction Phase - Anticipated Construction Schedule

Grading - Per Conceptual Grading Plan.

Vehicle Trips - Per the ITE Trip Gen Manual 10th Edition, 2017.

VMT from the Panattoni Warehouse project VMT Draft Memorandum. Project would have 4,906 daily VMT. CalEEMod assumes 364 days a year so project total is approximately 1,786,276

Vehicle Emission Factors - EMFAC2017 Operational Year 2022

Vehicle Emission Factors - EMFAC2017 Operational Year 2022

Vehicle Emission Factors - EMFAC2017 Operational Year 2022

Energy Use -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Area Mitigation - SCAQMD Rule 1113

Energy Mitigation - 2019 Title 24 requirements.

Water Mitigation - 2019 Title 24 and CalGreen Code Requirements.

Waste Mitigation - AB 341 requirements

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	20,026.00	0.00
tblAreaCoating	Area_Parking	20026	0
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	30.00	44.00
tblConstructionPhase	NumDays	300.00	215.00
tblConstructionPhase	NumDays	20.00	40.00

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tblConstructionPhase	NumDays	20.00	44.00
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tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
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tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblTripsAndVMT	VendorTripNumber	103.00	48.00
tblTripsAndVMT	WorkerTripNumber	20.00	15.00
tblTripsAndVMT	WorkerTripNumber	263.00	123.00
tblTripsAndVMT	WorkerTripNumber	53.00	25.00
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tblVehicleEF	HHD	0.08	1.0000e-006
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003

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tblVehicleEF	HHD	0.01	0.03
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tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDA	0.06	0.17
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tblVehicleEF	LDA	2.2660e-003	1.8390e-003
tblVehicleEF	LDA	2.0000e-003	1.6540e-003
tblVehicleEF	LDA	2.0830e-003	1.6910e-003

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tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
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tblVehicleEF	LDA	0.06	0.20
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tblVehicleEF	LDA	5.8700e-004	5.2200e-004
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tblVehicleEF	LDA	0.05	0.07
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tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.1700e-003	1.7960e-003
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tblVehicleEF	LDA	2.0830e-003	1.6910e-003
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tblVehicleEF	LDA	0.11	0.11
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tblVehicleEF	LDA	0.02	0.02
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tblVehicleEF	LDT1	0.15	0.24
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tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
tblVehicleEF	LDT1	0.20	0.20
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tblVehicleEF	LDT1	0.04	0.04
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tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.65
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tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
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tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
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tblVehicleEF	LDT1	0.10	0.10
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tblVehicleEF	LDT1	0.20	0.83
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tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.83
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tblVehicleEF	LDT2	1.35	2.65
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tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
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tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3770e-003
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tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
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tblVehicleEF	LDT2	5.6920e-003	0.06
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tblVehicleEF	LDT2	399.04	353.53
tblVehicleEF	LDT2	78.07	67.60
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28

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tblVehicleEF	LDT2	3.9980e-003	3.4980e-003
tblVehicleEF	LDT2	8.0000e-004	6.6900e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8890e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	336.92
tblVehicleEF	LDT2	78.07	68.50
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.29
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3330e-003

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tblVehicleEF	LDT2	8.0400e-004	6.7800e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.5830e-003
tblVehicleEF	LHD1	0.01	5.7240e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.21
tblVehicleEF	LHD1	33.34	12.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.65
tblVehicleEF	LHD1	1.01	0.33
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004

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tblVehicleEF	LHD1	3.1460e-003	2.5670e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5060e-003
tblVehicleEF	LHD1	3.8500e-004	1.2300e-004
tblVehicleEF	LHD1	3.1460e-003	2.5670e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.5950e-003
tblVehicleEF	LHD1	0.01	5.8420e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.67
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.23
tblVehicleEF	LHD1	33.34	12.33
tblVehicleEF	LHD1	0.07	0.05

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tblVehicleEF	LHD1	0.89	0.61
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.8550e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.2100e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5070e-003
tblVehicleEF	LHD1	3.8300e-004	1.2200e-004
tblVehicleEF	LHD1	4.7100e-003	3.8550e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.2100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.28	0.08

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tblVehicleEF	LHD1	5.5970e-003	5.5810e-003
tblVehicleEF	LHD1	0.01	5.6940e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.65
tblVehicleEF	LHD1	2.81	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.20
tblVehicleEF	LHD1	33.34	12.44
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.64
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5420e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08

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tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5060e-003
tblVehicleEF	LHD1	3.8600e-004	1.2300e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5420e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9120e-003
tblVehicleEF	LHD2	4.2980e-003	3.9650e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.76
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.56
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.65	0.84
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003

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tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.1380e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1380e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9200e-003
tblVehicleEF	LHD2	4.3570e-003	4.0120e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.73
tblVehicleEF	LHD2	13.57	13.45

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tblVehicleEF	LHD2	617.83	667.36
tblVehicleEF	LHD2	27.88	9.50
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.79
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.6960e-003	2.3400e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3640e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0300e-004	9.4000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3400e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3640e-003

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tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9100e-003
tblVehicleEF	LHD2	4.2820e-003	3.9540e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.38	0.77
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.57
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.82
tblVehicleEF	LHD2	0.56	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.1610e-003	1.6250e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4300e-004

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tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1610e-003	1.6250e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4300e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.94	19.19
tblVehicleEF	MCY	9.66	8.53
tblVehicleEF	MCY	188.92	223.45
tblVehicleEF	MCY	44.52	59.65
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66

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tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.05	1.82
tblVehicleEF	MCY	2.2780e-003	2.2110e-003
tblVehicleEF	MCY	6.6300e-004	5.9000e-004
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	3.23	3.24
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.23	1.98
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.47
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.09
tblVehicleEF	MCY	44.52	57.74
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10

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tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.1980e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.29
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.65
tblVehicleEF	MCY	44.52	59.99
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.62

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tblVehicleEF	MCY	0.69	2.29
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2130e-003
tblVehicleEF	MCY	6.6700e-004	5.9400e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.29
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5750e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.11
tblVehicleEF	MDV	512.22	419.24
tblVehicleEF	MDV	103.14	83.18
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43

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tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1450e-003
tblVehicleEF	MDV	1.0750e-003	8.2300e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9930e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.33
tblVehicleEF	MDV	2.12	2.64
tblVehicleEF	MDV	534.67	432.09
tblVehicleEF	MDV	103.14	82.28
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36

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tblVehicleEF	MDV	5.3570e-003	4.2720e-003
tblVehicleEF	MDV	1.0680e-003	8.1400e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4430e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	414.54
tblVehicleEF	MDV	103.14	83.37
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0980e-003

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tblVehicleEF	MDV	1.0760e-003	8.2500e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.24	1.21
tblVehicleEF	MH	5.78	2.15
tblVehicleEF	MH	1,130.03	1,501.21
tblVehicleEF	MH	60.43	19.42
tblVehicleEF	MH	1.08	1.11
tblVehicleEF	MH	0.80	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	0.95	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.33	0.10

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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0500e-004	1.9200e-004
tblVehicleEF	MH	0.95	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.30	1.24
tblVehicleEF	MH	5.44	2.03
tblVehicleEF	MH	1,130.03	1,501.27
tblVehicleEF	MH	60.43	19.21
tblVehicleEF	MH	0.99	1.03
tblVehicleEF	MH	0.76	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	1.41	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.43

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tblVehicleEF	MH	0.31	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9900e-004	1.9000e-004
tblVehicleEF	MH	1.41	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.34	0.10
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.22	1.20
tblVehicleEF	MH	5.83	2.18
tblVehicleEF	MH	1,130.03	1,501.20
tblVehicleEF	MH	60.43	19.45
tblVehicleEF	MH	1.06	1.09
tblVehicleEF	MH	0.80	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	1.08	0.94
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.08	0.06

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tblVehicleEF	MH	0.02	1.54
tblVehicleEF	MH	0.33	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0600e-004	1.9300e-004
tblVehicleEF	MH	1.08	0.94
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.54
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MHD	0.02	4.3860e-003
tblVehicleEF	MHD	4.8560e-003	4.5970e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.42
tblVehicleEF	MHD	132.92	67.37
tblVehicleEF	MHD	1,150.98	1,069.65
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.49	0.48
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0770e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.3800e-004	1.0300e-003
tblVehicleEF	MHD	4.8830e-003	0.03

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tblVehicleEF	MHD	7.7600e-004	1.2600e-004
tblVehicleEF	MHD	1.1350e-003	6.6200e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.2600e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.1900e-004
tblVehicleEF	MHD	1.1350e-003	6.6200e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.2600e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1570e-003
tblVehicleEF	MHD	4.9280e-003	4.6490e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.35
tblVehicleEF	MHD	140.78	68.19
tblVehicleEF	MHD	1,150.98	1,069.66
tblVehicleEF	MHD	63.58	11.93

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tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.29
tblVehicleEF	MHD	2.0900e-004	9.1000e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.0000e-004	8.7100e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2600e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1800e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7150e-003

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tblVehicleEF	MHD	4.8360e-003	4.5810e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.44
tblVehicleEF	MHD	122.05	66.24
tblVehicleEF	MHD	1,150.98	1,069.64
tblVehicleEF	MHD	63.58	12.07
tblVehicleEF	MHD	0.47	0.48
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3060e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.8900e-004	1.2500e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2600e-004
tblVehicleEF	MHD	1.1690e-003	6.8600e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.1600e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.1900e-004

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tblVehicleEF	MHD	1.1690e-003	6.8600e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.1600e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4810e-003
tblVehicleEF	OBUS	7.7220e-003	7.0170e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.79
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.60
tblVehicleEF	OBUS	1,260.49	1,392.48
tblVehicleEF	OBUS	67.92	19.23
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.76
tblVehicleEF	OBUS	1.1400e-004	7.9300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5900e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4340e-003	1.8440e-003
tblVehicleEF	OBUS	0.02	0.02

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tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	9.0000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4300e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5410e-003
tblVehicleEF	OBUS	7.8490e-003	7.1420e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.47
tblVehicleEF	OBUS	1,260.49	1,392.51
tblVehicleEF	OBUS	67.92	19.00
tblVehicleEF	OBUS	0.53	0.45
tblVehicleEF	OBUS	1.46	1.47
tblVehicleEF	OBUS	2.57	0.75

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tblVehicleEF	OBUS	9.6000e-005	6.7400e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	2.1010e-003	2.6890e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3250e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6890e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3250e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4180e-003
tblVehicleEF	OBUS	7.6880e-003	6.9830e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.62

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tblVehicleEF	OBUS	0.53	0.79
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.79
tblVehicleEF	OBUS	1,260.49	1,392.48
tblVehicleEF	OBUS	67.92	19.27
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.54
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5800e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1600e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2500e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	9.0200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07

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tblVehicleEF	OBUS	7.4700e-004	9.2500e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0580e-003
tblVehicleEF	SBUS	0.06	6.2120e-003
tblVehicleEF	SBUS	8.15	2.77
tblVehicleEF	SBUS	0.72	0.59
tblVehicleEF	SBUS	7.31	0.85
tblVehicleEF	SBUS	1,121.00	351.72
tblVehicleEF	SBUS	1,079.30	1,109.67
tblVehicleEF	SBUS	55.06	5.24
tblVehicleEF	SBUS	9.20	3.22
tblVehicleEF	SBUS	4.17	4.87
tblVehicleEF	SBUS	12.12	0.88
tblVehicleEF	SBUS	9.3410e-003	4.1230e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	8.9370e-003	3.9440e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.0700e-004
tblVehicleEF	SBUS	0.03	7.8550e-003
tblVehicleEF	SBUS	0.97	0.32

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tblVehicleEF	SBUS	1.7650e-003	4.8200e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3550e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.2000e-005
tblVehicleEF	SBUS	3.3650e-003	9.0700e-004
tblVehicleEF	SBUS	0.03	7.8550e-003
tblVehicleEF	SBUS	1.40	0.46
tblVehicleEF	SBUS	1.7650e-003	4.8200e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1350e-003
tblVehicleEF	SBUS	0.06	5.5320e-003
tblVehicleEF	SBUS	8.04	2.74
tblVehicleEF	SBUS	0.73	0.60
tblVehicleEF	SBUS	5.94	0.69
tblVehicleEF	SBUS	1,171.46	359.77
tblVehicleEF	SBUS	1,079.30	1,109.69
tblVehicleEF	SBUS	55.06	4.98
tblVehicleEF	SBUS	9.50	3.29
tblVehicleEF	SBUS	3.93	4.59
tblVehicleEF	SBUS	12.09	0.87
tblVehicleEF	SBUS	7.8750e-003	3.4830e-003

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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	7.5340e-003	3.3320e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	4.9570e-003	1.3200e-003
tblVehicleEF	SBUS	0.03	7.9970e-003
tblVehicleEF	SBUS	0.97	0.32
tblVehicleEF	SBUS	2.5080e-003	6.7400e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	4.9000e-005
tblVehicleEF	SBUS	4.9570e-003	1.3200e-003
tblVehicleEF	SBUS	0.03	7.9970e-003
tblVehicleEF	SBUS	1.40	0.45
tblVehicleEF	SBUS	2.5080e-003	6.7400e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.03
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0360e-003
tblVehicleEF	SBUS	0.07	6.3620e-003

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tblVehicleEF	SBUS	8.31	2.83
tblVehicleEF	SBUS	0.72	0.58
tblVehicleEF	SBUS	7.56	0.88
tblVehicleEF	SBUS	1,051.30	340.60
tblVehicleEF	SBUS	1,079.30	1,109.67
tblVehicleEF	SBUS	55.06	5.29
tblVehicleEF	SBUS	8.80	3.13
tblVehicleEF	SBUS	4.10	4.79
tblVehicleEF	SBUS	12.13	0.88
tblVehicleEF	SBUS	0.01	5.0060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	0.01	4.7890e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	3.4320e-003	9.2000e-004
tblVehicleEF	SBUS	0.03	8.2560e-003
tblVehicleEF	SBUS	0.98	0.32
tblVehicleEF	SBUS	1.6940e-003	4.6300e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2500e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.2000e-005

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tblVehicleEF	SBUS	3.4320e-003	9.2000e-004
tblVehicleEF	SBUS	0.03	8.2560e-003
tblVehicleEF	SBUS	1.41	0.46
tblVehicleEF	SBUS	1.6940e-003	4.6300e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.07
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.53
tblVehicleEF	UBUS	9.98	0.48
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	0.85	0.08

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tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.5580e-003
tblVehicleEF	UBUS	1.1250e-003	8.4000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	3.56	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.07
tblVehicleEF	UBUS	7.69	0.62
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.38
tblVehicleEF	UBUS	9.41	0.48
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	5.9080e-003	8.9300e-004

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tblVehicleEF	UBUS	0.07	8.7350e-003
tblVehicleEF	UBUS	3.2830e-003	6.8000e-004
tblVehicleEF	UBUS	0.86	0.08
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.5580e-003
tblVehicleEF	UBUS	1.1050e-003	8.3000e-005
tblVehicleEF	UBUS	5.9080e-003	8.9300e-004
tblVehicleEF	UBUS	0.07	8.7350e-003
tblVehicleEF	UBUS	3.2830e-003	6.8000e-004
tblVehicleEF	UBUS	3.57	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.07
tblVehicleEF	UBUS	9.08	0.72
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.56
tblVehicleEF	UBUS	9.79	0.48
tblVehicleEF	UBUS	15.38	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003

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tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.7000e-003	5.9500e-004
tblVehicleEF	UBUS	0.08	9.0200e-003
tblVehicleEF	UBUS	2.5010e-003	4.6500e-004
tblVehicleEF	UBUS	0.85	0.08
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.5580e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	5.9500e-004
tblVehicleEF	UBUS	0.08	9.0200e-003
tblVehicleEF	UBUS	2.5010e-003	4.6500e-004
tblVehicleEF	UBUS	3.55	5.92
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TL	8.40	6.66
tblVehicleTrips	CNW_TL	6.90	5.47
tblVehicleTrips	CW_TL	16.60	13.16
tblVehicleTrips	ST_TR	1.50	1.74
tblVehicleTrips	SU_TR	1.50	1.74
tblVehicleTrips	WD_TR	1.50	1.74

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)
1	10-5-2020	1-4-2021	1.2237	1.2237
2	1-5-2021	4-4-2021	1.3402	1.3402
3	4-5-2021	7-4-2021	0.8134	0.8134
4	7-5-2021	9-30-2021	0.9450	0.9450
		Highest	1.3402	1.3402

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	1.2145	8.0000e-005	8.7600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Energy	0.0285	0.2594	0.2179	1.5600e-003		0.0197	0.0197		0.0197	0.0197	0.0000	1,050.3346	1,050.3346	0.0488	0.0142	1,055.7746
Mobile	0.2369	0.5626	2.5853	7.3200e-003	0.6757	7.2900e-003	0.6830	0.1808	6.8400e-003	0.1876	0.0000	686.7751	686.7751	0.0484	0.0000	687.9860
Waste						0.0000	0.0000		0.0000	0.0000	73.6005	0.0000	73.6005	4.3497	0.0000	182.3420
Water						0.0000	0.0000		0.0000	0.0000	21.4519	204.8739	226.3258	2.2149	0.0544	297.9158
Total	1.4799	0.8222	2.8119	8.8800e-003	0.6757	0.0270	0.7028	0.1808	0.0266	0.2073	95.0524	1,942.0006	2,037.0529	6.6619	0.0686	2,224.0365

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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	1.2145	8.0000e-005	8.7600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Energy	0.0208	0.1890	0.1588	1.1300e-003		0.0144	0.0144		0.0144	0.0144	0.0000	918.5467	918.5467	0.0442	0.0121	923.2611
Mobile	0.2369	0.5626	2.5853	7.3200e-003	0.6757	7.2900e-003	0.6830	0.1808	6.8400e-003	0.1876	0.0000	686.7751	686.7751	0.0484	0.0000	687.9860
Waste						0.0000	0.0000		0.0000	0.0000	18.4001	0.0000	18.4001	1.0874	0.0000	45.5855
Water						0.0000	0.0000		0.0000	0.0000	17.1615	163.8991	181.0606	1.7719	0.0435	238.3326
Total	1.4722	0.7517	2.7528	8.4500e-003	0.6757	0.0217	0.6974	0.1808	0.0212	0.2020	35.5617	1,769.2379	1,804.7995	2.9521	0.0557	1,895.1833

	ROG	NOx	CO	SO2	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	0.52	8.57	2.10	4.84	0.00	19.82	0.76	0.00	20.16	2.59	62.59	8.90	11.40	55.69	18.85	14.79

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	10/5/2020	12/31/2020	5	64	
2	Grading	Grading	1/1/2021	3/3/2021	5	44	
3	Building Construction	Building Construction	3/3/2021	12/28/2021	5	215	
4	Paving	Paving	9/1/2021	10/26/2021	5	40	
5	Architectural Coating	Architectural Coating	10/27/2021	12/27/2021	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 110

Acres of Paving: 7.59

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 438,600; Non-Residential Outdoor: 146,200; 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	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	1	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	3	8.00	97	0.37
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	123.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1060	1.0624	0.6961	1.2400e-003		0.0531	0.0531		0.0493	0.0493	0.0000	108.7955	108.7955	0.0307	0.0000	109.5634
Total	0.1060	1.0624	0.6961	1.2400e-003		0.0531	0.0531		0.0493	0.0493	0.0000	108.7955	108.7955	0.0307	0.0000	109.5634

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3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2200e-003	1.7900e-003	0.0198	5.0000e-005	5.2600e-003	4.0000e-005	5.3000e-003	1.4000e-003	4.0000e-005	1.4400e-003	0.0000	4.9025	4.9025	1.5000e-004	0.0000	4.9064
Total	2.2200e-003	1.7900e-003	0.0198	5.0000e-005	5.2600e-003	4.0000e-005	5.3000e-003	1.4000e-003	4.0000e-005	1.4400e-003	0.0000	4.9025	4.9025	1.5000e-004	0.0000	4.9064

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1060	1.0624	0.6961	1.2400e-003		0.0531	0.0531		0.0493	0.0493	0.0000	108.7954	108.7954	0.0307	0.0000	109.5632
Total	0.1060	1.0624	0.6961	1.2400e-003		0.0531	0.0531		0.0493	0.0493	0.0000	108.7954	108.7954	0.0307	0.0000	109.5632

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3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2200e-003	1.7900e-003	0.0198	5.0000e-005	5.2600e-003	4.0000e-005	5.3000e-003	1.4000e-003	4.0000e-005	1.4400e-003	0.0000	4.9025	4.9025	1.5000e-004	0.0000	4.9064
Total	2.2200e-003	1.7900e-003	0.0198	5.0000e-005	5.2600e-003	4.0000e-005	5.3000e-003	1.4000e-003	4.0000e-005	1.4400e-003	0.0000	4.9025	4.9025	1.5000e-004	0.0000	4.9064

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1908	0.0000	0.1908	0.0791	0.0000	0.0791	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0913	1.0151	0.6571	1.3200e-003		0.0438	0.0438		0.0403	0.0403	0.0000	115.9115	115.9115	0.0375	0.0000	116.8487
Total	0.0913	1.0151	0.6571	1.3200e-003	0.1908	0.0438	0.2347	0.0791	0.0403	0.1195	0.0000	115.9115	115.9115	0.0375	0.0000	116.8487

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3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4200e-003	1.1100e-003	0.0125	4.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.2634	3.2634	1.0000e-004	0.0000	3.2658
Total	1.4200e-003	1.1100e-003	0.0125	4.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.2634	3.2634	1.0000e-004	0.0000	3.2658

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0859	0.0000	0.0859	0.0356	0.0000	0.0356	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0913	1.0151	0.6571	1.3200e-003		0.0438	0.0438		0.0403	0.0403	0.0000	115.9113	115.9113	0.0375	0.0000	116.8485
Total	0.0913	1.0151	0.6571	1.3200e-003	0.0859	0.0438	0.1297	0.0356	0.0403	0.0759	0.0000	115.9113	115.9113	0.0375	0.0000	116.8485

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3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4200e-003	1.1100e-003	0.0125	4.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.2634	3.2634	1.0000e-004	0.0000	3.2658
Total	1.4200e-003	1.1100e-003	0.0125	4.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.2634	3.2634	1.0000e-004	0.0000	3.2658

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2044	1.8740	1.7818	2.8900e-003		0.1031	0.1031		0.0969	0.0969	0.0000	249.0101	249.0101	0.0601	0.0000	250.5120
Total	0.2044	1.8740	1.7818	2.8900e-003		0.1031	0.1031		0.0969	0.0969	0.0000	249.0101	249.0101	0.0601	0.0000	250.5120

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3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0160	0.5092	0.1381	1.3100e-003	0.0325	1.0400e-003	0.0335	9.3800e-003	9.9000e-004	0.0104	0.0000	127.1922	127.1922	7.8000e-003	0.0000	127.3873
Worker	0.0569	0.0443	0.5000	1.4500e-003	0.1449	1.1900e-003	0.1461	0.0385	1.1000e-003	0.0396	0.0000	130.7596	130.7596	3.8500e-003	0.0000	130.8558
Total	0.0729	0.5535	0.6381	2.7600e-003	0.1774	2.2300e-003	0.1796	0.0479	2.0900e-003	0.0500	0.0000	257.9518	257.9518	0.0117	0.0000	258.2430

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2044	1.8740	1.7818	2.8900e-003		0.1031	0.1031		0.0969	0.0969	0.0000	249.0098	249.0098	0.0601	0.0000	250.5117
Total	0.2044	1.8740	1.7818	2.8900e-003		0.1031	0.1031		0.0969	0.0969	0.0000	249.0098	249.0098	0.0601	0.0000	250.5117

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3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0160	0.5092	0.1381	1.3100e-003	0.0325	1.0400e-003	0.0335	9.3800e-003	9.9000e-004	0.0104	0.0000	127.1922	127.1922	7.8000e-003	0.0000	127.3873
Worker	0.0569	0.0443	0.5000	1.4500e-003	0.1449	1.1900e-003	0.1461	0.0385	1.1000e-003	0.0396	0.0000	130.7596	130.7596	3.8500e-003	0.0000	130.8558
Total	0.0729	0.5535	0.6381	2.7600e-003	0.1774	2.2300e-003	0.1796	0.0479	2.0900e-003	0.0500	0.0000	257.9518	257.9518	0.0117	0.0000	258.2430

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0251	0.2584	0.2931	4.6000e-004		0.0136	0.0136		0.0125	0.0125	0.0000	40.0470	40.0470	0.0130	0.0000	40.3708
Paving	9.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0351	0.2584	0.2931	4.6000e-004		0.0136	0.0136		0.0125	0.0125	0.0000	40.0470	40.0470	0.0130	0.0000	40.3708

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3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	3.2900e-003	3.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9668	2.9668	9.0000e-005	0.0000	2.9689
Total	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	3.2900e-003	3.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9668	2.9668	9.0000e-005	0.0000	2.9689

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0251	0.2584	0.2931	4.6000e-004		0.0136	0.0136		0.0125	0.0125	0.0000	40.0469	40.0469	0.0130	0.0000	40.3707
Paving	9.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0351	0.2584	0.2931	4.6000e-004		0.0136	0.0136		0.0125	0.0125	0.0000	40.0469	40.0469	0.0130	0.0000	40.3707

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3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	3.2900e-003	3.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9668	2.9668	9.0000e-005	0.0000	2.9689
Total	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	3.2900e-003	3.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9668	2.9668	9.0000e-005	0.0000	2.9689

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3553					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8200e-003	0.0336	0.0400	7.0000e-005		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	5.6172	5.6172	3.9000e-004	0.0000	5.6268
Total	1.3601	0.0336	0.0400	7.0000e-005		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	5.6172	5.6172	3.9000e-004	0.0000	5.6268

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3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3700e-003	1.8400e-003	0.0208	6.0000e-005	6.0300e-003	5.0000e-005	6.0800e-003	1.6000e-003	5.0000e-005	1.6500e-003	0.0000	5.4390	5.4390	1.6000e-004	0.0000	5.4431
Total	2.3700e-003	1.8400e-003	0.0208	6.0000e-005	6.0300e-003	5.0000e-005	6.0800e-003	1.6000e-003	5.0000e-005	1.6500e-003	0.0000	5.4390	5.4390	1.6000e-004	0.0000	5.4431

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3553					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8200e-003	0.0336	0.0400	7.0000e-005		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	5.6172	5.6172	3.9000e-004	0.0000	5.6268
Total	1.3601	0.0336	0.0400	7.0000e-005		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	5.6172	5.6172	3.9000e-004	0.0000	5.6268

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3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3700e-003	1.8400e-003	0.0208	6.0000e-005	6.0300e-003	5.0000e-005	6.0800e-003	1.6000e-003	5.0000e-005	1.6500e-003	0.0000	5.4390	5.4390	1.6000e-004	0.0000	5.4431
Total	2.3700e-003	1.8400e-003	0.0208	6.0000e-005	6.0300e-003	5.0000e-005	6.0800e-003	1.6000e-003	5.0000e-005	1.6500e-003	0.0000	5.4390	5.4390	1.6000e-004	0.0000	5.4431

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	0.2369	0.5626	2.5853	7.3200e-003	0.6757	7.2900e-003	0.6830	0.1808	6.8400e-003	0.1876	0.0000	686.7751	686.7751	0.0484	0.0000	687.9860
Unmitigated	0.2369	0.5626	2.5853	7.3200e-003	0.6757	7.2900e-003	0.6830	0.1808	6.8400e-003	0.1876	0.0000	686.7751	686.7751	0.0484	0.0000	687.9860

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	508.78	508.78	508.78	1,786,262	1,786,262
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	508.78	508.78	508.78	1,786,262	1,786,262

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	13.16	6.66	5.47	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	712.7979	712.7979	0.0403	8.3400e-003	716.2896
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	767.9098	767.9098	0.0434	8.9800e-003	771.6715
NaturalGas Mitigated	0.0208	0.1890	0.1588	1.1300e-003		0.0144	0.0144		0.0144	0.0144	0.0000	205.7488	205.7488	3.9400e-003	3.7700e-003	206.9714
NaturalGas Unmitigated	0.0285	0.2594	0.2179	1.5600e-003		0.0197	0.0197		0.0197	0.0197	0.0000	282.4248	282.4248	5.4100e-003	5.1800e-003	284.1031

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5.2 Energy by Land Use - Natural Gas

Unmitigated

	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					
General Heavy Industry	5.29244e+006	0.0285	0.2594	0.2179	1.5600e-003		0.0197	0.0197		0.0197	0.0197	0.0000	282.4248	282.4248	5.4100e-003	5.1800e-003	284.1031
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0285	0.2594	0.2179	1.5600e-003		0.0197	0.0197		0.0197	0.0197	0.0000	282.4248	282.4248	5.4100e-003	5.1800e-003	284.1031

Mitigated

	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					
General Heavy Industry	3.85559e+006	0.0208	0.1890	0.1588	1.1300e-003		0.0144	0.0144		0.0144	0.0144	0.0000	205.7488	205.7488	3.9400e-003	3.7700e-003	206.9714
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0208	0.1890	0.1588	1.1300e-003		0.0144	0.0144		0.0144	0.0144	0.0000	205.7488	205.7488	3.9400e-003	3.7700e-003	206.9714

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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			
General Heavy Industry	3.24564e+006	755.2373	0.0427	8.8300e-003	758.9370
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	54460	12.6725	7.2000e-004	1.5000e-004	12.7345
Total		767.9098	0.0434	8.9800e-003	771.6715

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	3.0088e+006	700.1254	0.0396	8.1900e-003	703.5551
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	54460	12.6725	7.2000e-004	1.5000e-004	12.7345
Total		712.7979	0.0403	8.3400e-003	716.2896

6.0 Area Detail

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6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.2145	8.0000e-005	8.7600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Unmitigated	1.2145	8.0000e-005	8.7600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1355					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.1000e-004	8.0000e-005	8.7600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Total	1.2145	8.0000e-005	8.7600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1355					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.1000e-004	8.0000e-005	8.7600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Total	1.2145	8.0000e-005	8.7600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181

7.0 Water Detail

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7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	181.0606	1.7719	0.0435	238.3326
Unmitigated	226.3258	2.2149	0.0544	297.9158

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Annual

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	67.6175 / 0	226.3258	2.2149	0.0544	297.9158
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		226.3258	2.2149	0.0544	297.9158

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	54.094 / 0	181.0606	1.7719	0.0435	238.3326
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		181.0606	1.7719	0.0435	238.3326

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Annual

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	18.4001	1.0874	0.0000	45.5855
Unmitigated	73.6005	4.3497	0.0000	182.3420

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8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	362.58	73.6005	4.3497	0.0000	182.3420
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		73.6005	4.3497	0.0000	182.3420

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	90.645	18.4001	1.0874	0.0000	45.5855
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		18.4001	1.0874	0.0000	45.5855

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Annual

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

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

Panattoni Warehouse (only) Project
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	292.40	1000sqft	6.71	292,400.00	0
Other Asphalt Surfaces	4.09	Acre	4.09	178,160.40	0
Parking Lot	389.00	Space	3.50	155,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	513	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

Project Characteristics - SCE 2018 Sustainability report pg10 <https://www.edison.com/content/dam/eix/documents/sustainability/eix-2018-sustainability-report.pdf>

Land Use - 14.2 acre site

Construction Phase - Anticipated Construction Schedule

Grading - Per Conceptual Grading Plan.

Vehicle Trips - Per the ITE Trip Gen Manual 10th Edition, 2017.

VMT from the Panattoni Warehouse project VMT Draft Memorandum. Project would have 4,906 daily VMT. CalEEMod assumes 364 days a year so project total is approximately 1,786,276

Vehicle Emission Factors - EMFAC2017 Operational Year 2022

Vehicle Emission Factors - EMFAC2017 Operational Year 2022

Vehicle Emission Factors - EMFAC2017 Operational Year 2022

Energy Use -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Area Mitigation - SCAQMD Rule 1113

Energy Mitigation - 2019 Title 24 requirements.

Water Mitigation - 2019 Title 24 and CalGreen Code Requirements.

Waste Mitigation - AB 341 requirements

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	20,026.00	0.00
tblAreaCoating	Area_Parking	20026	0
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	30.00	44.00
tblConstructionPhase	NumDays	300.00	215.00
tblConstructionPhase	NumDays	20.00	40.00

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tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MCY	5.1420e-003	0.00
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tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
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tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
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tblTripsAndVMT	WorkerTripNumber	20.00	15.00
tblTripsAndVMT	WorkerTripNumber	263.00	123.00
tblTripsAndVMT	WorkerTripNumber	53.00	25.00
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	0.01	0.03
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Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

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tblVehicleEF	HHD	8.8380e-003	8.8970e-003
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tblVehicleEF	LDA	0.10	0.10
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tblVehicleEF	LDA	2.0830e-003	1.6910e-003

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

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tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
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tblVehicleEF	LDA	0.04	0.20
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tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.1700e-003	1.7960e-003
tblVehicleEF	LDA	2.2660e-003	1.8390e-003
tblVehicleEF	LDA	2.0000e-003	1.6540e-003
tblVehicleEF	LDA	2.0830e-003	1.6910e-003
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Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

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tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
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tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	318.65
tblVehicleEF	LDT1	69.44	63.32
tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20

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tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.19	0.36
tblVehicleEF	LDT1	3.4330e-003	3.1530e-003
tblVehicleEF	LDT1	7.4300e-004	6.2700e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.2630e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.59
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	331.08
tblVehicleEF	LDT1	69.44	62.64
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15

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tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.17	0.32
tblVehicleEF	LDT1	3.5840e-003	3.2760e-003
tblVehicleEF	LDT1	7.3600e-004	6.2000e-004
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.18	0.35
tblVehicleEF	LDT1	0.02	7.6410e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	314.09
tblVehicleEF	LDT1	69.44	63.47
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03

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tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.20	0.37
tblVehicleEF	LDT1	3.3780e-003	3.1080e-003
tblVehicleEF	LDT1	7.4500e-004	6.2800e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9910e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	341.38
tblVehicleEF	LDT2	78.07	68.34
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41

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tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3770e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.3200e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	353.53
tblVehicleEF	LDT2	78.07	67.60
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28

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tblVehicleEF	LDT2	3.9980e-003	3.4980e-003
tblVehicleEF	LDT2	8.0000e-004	6.6900e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8890e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	336.92
tblVehicleEF	LDT2	78.07	68.50
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.29
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3330e-003

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tblVehicleEF	LDT2	8.0400e-004	6.7800e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.5830e-003
tblVehicleEF	LHD1	0.01	5.7240e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.21
tblVehicleEF	LHD1	33.34	12.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.65
tblVehicleEF	LHD1	1.01	0.33
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004

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tblVehicleEF	LHD1	3.1460e-003	2.5670e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5060e-003
tblVehicleEF	LHD1	3.8500e-004	1.2300e-004
tblVehicleEF	LHD1	3.1460e-003	2.5670e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.5950e-003
tblVehicleEF	LHD1	0.01	5.8420e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.67
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.23
tblVehicleEF	LHD1	33.34	12.33
tblVehicleEF	LHD1	0.07	0.05

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	0.89	0.61
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.8550e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.2100e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5070e-003
tblVehicleEF	LHD1	3.8300e-004	1.2200e-004
tblVehicleEF	LHD1	4.7100e-003	3.8550e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.2100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.28	0.08

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tblVehicleEF	LHD1	5.5970e-003	5.5810e-003
tblVehicleEF	LHD1	0.01	5.6940e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.65
tblVehicleEF	LHD1	2.81	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.20
tblVehicleEF	LHD1	33.34	12.44
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.64
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5420e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08

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tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5060e-003
tblVehicleEF	LHD1	3.8600e-004	1.2300e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5420e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9120e-003
tblVehicleEF	LHD2	4.2980e-003	3.9650e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.76
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.56
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.65	0.84
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003

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tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.1380e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1380e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9200e-003
tblVehicleEF	LHD2	4.3570e-003	4.0120e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.73
tblVehicleEF	LHD2	13.57	13.45

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	617.83	667.36
tblVehicleEF	LHD2	27.88	9.50
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.79
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.6960e-003	2.3400e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3640e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0300e-004	9.4000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3400e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3640e-003

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tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9100e-003
tblVehicleEF	LHD2	4.2820e-003	3.9540e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.38	0.77
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.57
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.82
tblVehicleEF	LHD2	0.56	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.1610e-003	1.6250e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4300e-004

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tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1610e-003	1.6250e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4300e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.94	19.19
tblVehicleEF	MCY	9.66	8.53
tblVehicleEF	MCY	188.92	223.45
tblVehicleEF	MCY	44.52	59.65
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66

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tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.05	1.82
tblVehicleEF	MCY	2.2780e-003	2.2110e-003
tblVehicleEF	MCY	6.6300e-004	5.9000e-004
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	3.23	3.24
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.23	1.98
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.47
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.09
tblVehicleEF	MCY	44.52	57.74
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10

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tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.1980e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.29
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.65
tblVehicleEF	MCY	44.52	59.99
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.62

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tblVehicleEF	MCY	0.69	2.29
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2130e-003
tblVehicleEF	MCY	6.6700e-004	5.9400e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.29
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5750e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.11
tblVehicleEF	MDV	512.22	419.24
tblVehicleEF	MDV	103.14	83.18
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43

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tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1450e-003
tblVehicleEF	MDV	1.0750e-003	8.2300e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9930e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.33
tblVehicleEF	MDV	2.12	2.64
tblVehicleEF	MDV	534.67	432.09
tblVehicleEF	MDV	103.14	82.28
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36

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tblVehicleEF	MDV	5.3570e-003	4.2720e-003
tblVehicleEF	MDV	1.0680e-003	8.1400e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4430e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	414.54
tblVehicleEF	MDV	103.14	83.37
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0980e-003

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tblVehicleEF	MDV	1.0760e-003	8.2500e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.24	1.21
tblVehicleEF	MH	5.78	2.15
tblVehicleEF	MH	1,130.03	1,501.21
tblVehicleEF	MH	60.43	19.42
tblVehicleEF	MH	1.08	1.11
tblVehicleEF	MH	0.80	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	0.95	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.33	0.10

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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0500e-004	1.9200e-004
tblVehicleEF	MH	0.95	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.30	1.24
tblVehicleEF	MH	5.44	2.03
tblVehicleEF	MH	1,130.03	1,501.27
tblVehicleEF	MH	60.43	19.21
tblVehicleEF	MH	0.99	1.03
tblVehicleEF	MH	0.76	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	1.41	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.43

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tblVehicleEF	MH	0.31	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9900e-004	1.9000e-004
tblVehicleEF	MH	1.41	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.34	0.10
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.22	1.20
tblVehicleEF	MH	5.83	2.18
tblVehicleEF	MH	1,130.03	1,501.20
tblVehicleEF	MH	60.43	19.45
tblVehicleEF	MH	1.06	1.09
tblVehicleEF	MH	0.80	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	1.08	0.94
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.08	0.06

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tblVehicleEF	MH	0.02	1.54
tblVehicleEF	MH	0.33	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0600e-004	1.9300e-004
tblVehicleEF	MH	1.08	0.94
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.54
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MHD	0.02	4.3860e-003
tblVehicleEF	MHD	4.8560e-003	4.5970e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.42
tblVehicleEF	MHD	132.92	67.37
tblVehicleEF	MHD	1,150.98	1,069.65
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.49	0.48
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0770e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.3800e-004	1.0300e-003
tblVehicleEF	MHD	4.8830e-003	0.03

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tblVehicleEF	MHD	7.7600e-004	1.2600e-004
tblVehicleEF	MHD	1.1350e-003	6.6200e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.2600e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.1900e-004
tblVehicleEF	MHD	1.1350e-003	6.6200e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.2600e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1570e-003
tblVehicleEF	MHD	4.9280e-003	4.6490e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.35
tblVehicleEF	MHD	140.78	68.19
tblVehicleEF	MHD	1,150.98	1,069.66
tblVehicleEF	MHD	63.58	11.93

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tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.29
tblVehicleEF	MHD	2.0900e-004	9.1000e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.0000e-004	8.7100e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2600e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1800e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7150e-003

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tblVehicleEF	MHD	4.8360e-003	4.5810e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.44
tblVehicleEF	MHD	122.05	66.24
tblVehicleEF	MHD	1,150.98	1,069.64
tblVehicleEF	MHD	63.58	12.07
tblVehicleEF	MHD	0.47	0.48
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3060e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.8900e-004	1.2500e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2600e-004
tblVehicleEF	MHD	1.1690e-003	6.8600e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.1600e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.1900e-004

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tblVehicleEF	MHD	1.1690e-003	6.8600e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.1600e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4810e-003
tblVehicleEF	OBUS	7.7220e-003	7.0170e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.79
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.60
tblVehicleEF	OBUS	1,260.49	1,392.48
tblVehicleEF	OBUS	67.92	19.23
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.76
tblVehicleEF	OBUS	1.1400e-004	7.9300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5900e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4340e-003	1.8440e-003
tblVehicleEF	OBUS	0.02	0.02

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tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	9.0000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4300e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5410e-003
tblVehicleEF	OBUS	7.8490e-003	7.1420e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.47
tblVehicleEF	OBUS	1,260.49	1,392.51
tblVehicleEF	OBUS	67.92	19.00
tblVehicleEF	OBUS	0.53	0.45
tblVehicleEF	OBUS	1.46	1.47
tblVehicleEF	OBUS	2.57	0.75

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	9.6000e-005	6.7400e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	2.1010e-003	2.6890e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3250e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6890e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3250e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4180e-003
tblVehicleEF	OBUS	7.6880e-003	6.9830e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.62

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	0.53	0.79
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.79
tblVehicleEF	OBUS	1,260.49	1,392.48
tblVehicleEF	OBUS	67.92	19.27
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.54
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5800e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1600e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2500e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	9.0200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	7.4700e-004	9.2500e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0580e-003
tblVehicleEF	SBUS	0.06	6.2120e-003
tblVehicleEF	SBUS	8.15	2.77
tblVehicleEF	SBUS	0.72	0.59
tblVehicleEF	SBUS	7.31	0.85
tblVehicleEF	SBUS	1,121.00	351.72
tblVehicleEF	SBUS	1,079.30	1,109.67
tblVehicleEF	SBUS	55.06	5.24
tblVehicleEF	SBUS	9.20	3.22
tblVehicleEF	SBUS	4.17	4.87
tblVehicleEF	SBUS	12.12	0.88
tblVehicleEF	SBUS	9.3410e-003	4.1230e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	8.9370e-003	3.9440e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.0700e-004
tblVehicleEF	SBUS	0.03	7.8550e-003
tblVehicleEF	SBUS	0.97	0.32

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	1.7650e-003	4.8200e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3550e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.2000e-005
tblVehicleEF	SBUS	3.3650e-003	9.0700e-004
tblVehicleEF	SBUS	0.03	7.8550e-003
tblVehicleEF	SBUS	1.40	0.46
tblVehicleEF	SBUS	1.7650e-003	4.8200e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1350e-003
tblVehicleEF	SBUS	0.06	5.5320e-003
tblVehicleEF	SBUS	8.04	2.74
tblVehicleEF	SBUS	0.73	0.60
tblVehicleEF	SBUS	5.94	0.69
tblVehicleEF	SBUS	1,171.46	359.77
tblVehicleEF	SBUS	1,079.30	1,109.69
tblVehicleEF	SBUS	55.06	4.98
tblVehicleEF	SBUS	9.50	3.29
tblVehicleEF	SBUS	3.93	4.59
tblVehicleEF	SBUS	12.09	0.87
tblVehicleEF	SBUS	7.8750e-003	3.4830e-003

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	7.5340e-003	3.3320e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	4.9570e-003	1.3200e-003
tblVehicleEF	SBUS	0.03	7.9970e-003
tblVehicleEF	SBUS	0.97	0.32
tblVehicleEF	SBUS	2.5080e-003	6.7400e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	4.9000e-005
tblVehicleEF	SBUS	4.9570e-003	1.3200e-003
tblVehicleEF	SBUS	0.03	7.9970e-003
tblVehicleEF	SBUS	1.40	0.45
tblVehicleEF	SBUS	2.5080e-003	6.7400e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.03
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0360e-003
tblVehicleEF	SBUS	0.07	6.3620e-003

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	8.31	2.83
tblVehicleEF	SBUS	0.72	0.58
tblVehicleEF	SBUS	7.56	0.88
tblVehicleEF	SBUS	1,051.30	340.60
tblVehicleEF	SBUS	1,079.30	1,109.67
tblVehicleEF	SBUS	55.06	5.29
tblVehicleEF	SBUS	8.80	3.13
tblVehicleEF	SBUS	4.10	4.79
tblVehicleEF	SBUS	12.13	0.88
tblVehicleEF	SBUS	0.01	5.0060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	0.01	4.7890e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	3.4320e-003	9.2000e-004
tblVehicleEF	SBUS	0.03	8.2560e-003
tblVehicleEF	SBUS	0.98	0.32
tblVehicleEF	SBUS	1.6940e-003	4.6300e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2500e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.2000e-005

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	3.4320e-003	9.2000e-004
tblVehicleEF	SBUS	0.03	8.2560e-003
tblVehicleEF	SBUS	1.41	0.46
tblVehicleEF	SBUS	1.6940e-003	4.6300e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.07
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.53
tblVehicleEF	UBUS	9.98	0.48
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	0.85	0.08

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.5580e-003
tblVehicleEF	UBUS	1.1250e-003	8.4000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	3.56	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.07
tblVehicleEF	UBUS	7.69	0.62
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.38
tblVehicleEF	UBUS	9.41	0.48
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	5.9080e-003	8.9300e-004

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	0.07	8.7350e-003
tblVehicleEF	UBUS	3.2830e-003	6.8000e-004
tblVehicleEF	UBUS	0.86	0.08
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.5580e-003
tblVehicleEF	UBUS	1.1050e-003	8.3000e-005
tblVehicleEF	UBUS	5.9080e-003	8.9300e-004
tblVehicleEF	UBUS	0.07	8.7350e-003
tblVehicleEF	UBUS	3.2830e-003	6.8000e-004
tblVehicleEF	UBUS	3.57	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.07
tblVehicleEF	UBUS	9.08	0.72
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.56
tblVehicleEF	UBUS	9.79	0.48
tblVehicleEF	UBUS	15.38	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.7000e-003	5.9500e-004
tblVehicleEF	UBUS	0.08	9.0200e-003
tblVehicleEF	UBUS	2.5010e-003	4.6500e-004
tblVehicleEF	UBUS	0.85	0.08
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.5580e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	5.9500e-004
tblVehicleEF	UBUS	0.08	9.0200e-003
tblVehicleEF	UBUS	2.5010e-003	4.6500e-004
tblVehicleEF	UBUS	3.55	5.92
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TL	8.40	6.66
tblVehicleTrips	CNW_TL	6.90	5.47
tblVehicleTrips	CW_TL	16.60	13.16
tblVehicleTrips	ST_TR	1.50	1.74
tblVehicleTrips	SU_TR	1.50	1.74
tblVehicleTrips	WD_TR	1.50	1.74

2.0 Emissions Summary

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Energy	0.1564	1.4216	1.1941	8.5300e-003		0.1080	0.1080		0.1080	0.1080		1,705.8630	1,705.8630	0.0327	0.0313	1,716.0001
Mobile	1.3295	2.8837	14.6628	0.0415	3.7860	0.0401	3.8261	1.0111	0.0376	1.0487		4,286.0178	4,286.0178	0.2898		4,293.2615
Total	8.1427	4.3059	15.9270	0.0500	3.7860	0.1484	3.9344	1.0111	0.1459	1.1570		5,992.0309	5,992.0309	0.3229	0.0313	6,009.4215

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Energy	0.1139	1.0356	0.8699	6.2100e-003		0.0787	0.0787		0.0787	0.0787		1,242.7353	1,242.7353	0.0238	0.0228	1,250.1203
Mobile	1.3295	2.8837	14.6628	0.0415	3.7860	0.0401	3.8261	1.0111	0.0376	1.0487		4,286.0178	4,286.0178	0.2898		4,293.2615
Total	8.1003	3.9199	15.6028	0.0477	3.7860	0.1191	3.9051	1.0111	0.1166	1.1277		5,528.9032	5,528.9032	0.3140	0.0228	5,543.5417

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	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	0.52	8.96	2.04	4.64	0.00	19.77	0.75	0.00	20.10	2.53	0.00	7.73	7.73	2.75	27.15	7.75

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/5/2020	12/31/2020	5	64	
2	Grading	Grading	1/1/2021	3/3/2021	5	44	
3	Building Construction	Building Construction	3/3/2021	12/28/2021	5	215	
4	Paving	Paving	9/1/2021	10/26/2021	5	40	
5	Architectural Coating	Architectural Coating	10/27/2021	12/27/2021	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 110

Acres of Paving: 7.59

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 438,600; Non-Residential Outdoor: 146,200; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	1	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	3	8.00	97	0.37
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	123.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1493	46.1422	29.8669	0.0600		1.9927	1.9927		1.8333	1.8333		5,807.7515	5,807.7515	1.8783		5,854.7102
Total	4.1493	46.1422	29.8669	0.0600	8.6733	1.9927	10.6660	3.5965	1.8333	5.4298		5,807.7515	5,807.7515	1.8783		5,854.7102

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	4.1493	46.1422	29.8669	0.0600		1.9927	1.9927		1.8333	1.8333	0.0000	5,807.7515	5,807.7515	1.8783		5,854.7102
Total	4.1493	46.1422	29.8669	0.0600	3.9030	1.9927	5.8957	1.6184	1.8333	3.4517	0.0000	5,807.7515	5,807.7515	1.8783		5,854.7102

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1459	4.6603	1.2183	0.0123	0.3073	9.5300e-003	0.3168	0.0885	9.1100e-003	0.0976		1,319.4270	1,319.4270	0.0777		1,321.3703
Worker	0.5273	0.3624	4.9541	0.0141	1.3749	0.0111	1.3860	0.3646	0.0102	0.3749		1,400.6869	1,400.6869	0.0413		1,401.7187
Total	0.6732	5.0227	6.1724	0.0264	1.6822	0.0206	1.7028	0.4531	0.0193	0.4724		2,720.1139	2,720.1139	0.1190		2,723.0890

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1459	4.6603	1.2183	0.0123	0.3073	9.5300e-003	0.3168	0.0885	9.1100e-003	0.0976		1,319.4270	1,319.4270	0.0777		1,321.3703
Worker	0.5273	0.3624	4.9541	0.0141	1.3749	0.0111	1.3860	0.3646	0.0102	0.3749		1,400.6869	1,400.6869	0.0413		1,401.7187
Total	0.6732	5.0227	6.1724	0.0264	1.6822	0.0206	1.7028	0.4531	0.0193	0.4724		2,720.1139	2,720.1139	0.1190		2,723.0890

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4972					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7527	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4972					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7527	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	61.6034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	61.8223	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1072	0.0737	1.0069	2.8600e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		284.6925	284.6925	8.3900e-003		284.9022
Total	0.1072	0.0737	1.0069	2.8600e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		284.6925	284.6925	8.3900e-003		284.9022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	61.6034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	61.8223	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1072	0.0737	1.0069	2.8600e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		284.6925	284.6925	8.3900e-003		284.9022
Total	0.1072	0.0737	1.0069	2.8600e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		284.6925	284.6925	8.3900e-003		284.9022

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3295	2.8837	14.6628	0.0415	3.7860	0.0401	3.8261	1.0111	0.0376	1.0487		4,286.0178	4,286.0178	0.2898		4,293.2615
Unmitigated	1.3295	2.8837	14.6628	0.0415	3.7860	0.0401	3.8261	1.0111	0.0376	1.0487		4,286.0178	4,286.0178	0.2898		4,293.2615

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	508.78	508.78	508.78	1,786,262	1,786,262
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	508.78	508.78	508.78	1,786,262	1,786,262

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	13.16	6.66	5.47	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.1139	1.0356	0.8699	6.2100e-003		0.0787	0.0787		0.0787	0.0787		1,242.7353	1,242.7353	0.0238	0.0228	1,250.1203
NaturalGas Unmitigated	0.1564	1.4216	1.1941	8.5300e-003		0.1080	0.1080		0.1080	0.1080		1,705.8630	1,705.8630	0.0327	0.0313	1,716.0001

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - Natural Gas

Unmitigated

	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	lb/day										lb/day					
General Heavy Industry	14499.8	0.1564	1.4216	1.1941	8.5300e-003		0.1080	0.1080		0.1080	0.1080		1,705.8630	1,705.8630	0.0327	0.0313	1,716.0001
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1564	1.4216	1.1941	8.5300e-003		0.1080	0.1080		0.1080	0.1080		1,705.8630	1,705.8630	0.0327	0.0313	1,716.0001

Mitigated

	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	lb/day										lb/day					
General Heavy Industry	10.5633	0.1139	1.0356	0.8699	6.2100e-003		0.0787	0.0787		0.0787	0.0787		1,242.7353	1,242.7353	0.0238	0.0228	1,250.1203
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1139	1.0356	0.8699	6.2100e-003		0.0787	0.0787		0.0787	0.0787		1,242.7353	1,242.7353	0.0238	0.0228	1,250.1203

6.0 Area Detail

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Unmitigated	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.9077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5200e-003	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Total	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.9077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5200e-003	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Total	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599

7.0 Water Detail

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

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

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Summer

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

Panattoni Warehouse (only) Project
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	292.40	1000sqft	6.71	292,400.00	0
Other Asphalt Surfaces	4.09	Acre	4.09	178,160.40	0
Parking Lot	389.00	Space	3.50	155,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	513	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

Project Characteristics - SCE 2018 Sustainability report pg10 <https://www.edison.com/content/dam/eix/documents/sustainability/eix-2018-sustainability-report.pdf>

Land Use - 14.2 acre site

Construction Phase - Anticipated Construction Schedule

Grading - Per Conceptual Grading Plan.

Vehicle Trips - Per the ITE Trip Gen Manual 10th Edition, 2017.

VMT from the Panattoni Warehouse project VMT Draft Memorandum. Project would have 4,906 daily VMT. CalEEMod assumes 364 days a year so project total is approximately 1,786,276

Vehicle Emission Factors - EMFAC2017 Operational Year 2022

Vehicle Emission Factors - EMFAC2017 Operational Year 2022

Vehicle Emission Factors - EMFAC2017 Operational Year 2022

Energy Use -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Area Mitigation - SCAQMD Rule 1113

Energy Mitigation - 2019 Title 24 requirements.

Water Mitigation - 2019 Title 24 and CalGreen Code Requirements.

Waste Mitigation - AB 341 requirements

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	20,026.00	0.00
tblAreaCoating	Area_Parking	20026	0
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	30.00	44.00
tblConstructionPhase	NumDays	300.00	215.00
tblConstructionPhase	NumDays	20.00	40.00

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

tblConstructionPhase	NumDays	20.00	44.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
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tblTripsAndVMT	WorkerTripNumber	20.00	15.00
tblTripsAndVMT	WorkerTripNumber	263.00	123.00
tblTripsAndVMT	WorkerTripNumber	53.00	25.00
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tblVehicleEF	HHD	1,639.83	1,477.44
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tblVehicleEF	HHD	19.54	2.07
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	0.01	0.03
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Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

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tblVehicleEF	HHD	8.8380e-003	8.8970e-003
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Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

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Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	2.0830e-003	1.6910e-003
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tblVehicleEF	LDA	0.10	0.10
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Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	0.06	0.08
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tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	2.8760e-003	2.8020e-003
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tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.22
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tblVehicleEF	LDA	57.08	53.43
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.1700e-003	1.7960e-003
tblVehicleEF	LDA	2.2660e-003	1.8390e-003
tblVehicleEF	LDA	2.0000e-003	1.6540e-003
tblVehicleEF	LDA	2.0830e-003	1.6910e-003
tblVehicleEF	LDA	0.04	0.05

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

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tblVehicleEF	LDA	0.04	0.05
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tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
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tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20

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tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.19	0.36
tblVehicleEF	LDT1	3.4330e-003	3.1530e-003
tblVehicleEF	LDT1	7.4300e-004	6.2700e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.2630e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.59
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	331.08
tblVehicleEF	LDT1	69.44	62.64
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15

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tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.17	0.32
tblVehicleEF	LDT1	3.5840e-003	3.2760e-003
tblVehicleEF	LDT1	7.3600e-004	6.2000e-004
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.18	0.35
tblVehicleEF	LDT1	0.02	7.6410e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	314.09
tblVehicleEF	LDT1	69.44	63.47
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03

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tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.20	0.37
tblVehicleEF	LDT1	3.3780e-003	3.1080e-003
tblVehicleEF	LDT1	7.4500e-004	6.2800e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9910e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	341.38
tblVehicleEF	LDT2	78.07	68.34
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41

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tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.8260e-003	3.3770e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.3200e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	353.53
tblVehicleEF	LDT2	78.07	67.60
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28

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tblVehicleEF	LDT2	3.9980e-003	3.4980e-003
tblVehicleEF	LDT2	8.0000e-004	6.6900e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8890e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	336.92
tblVehicleEF	LDT2	78.07	68.50
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.29
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3330e-003

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tblVehicleEF	LDT2	8.0400e-004	6.7800e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.5830e-003
tblVehicleEF	LHD1	0.01	5.7240e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.21
tblVehicleEF	LHD1	33.34	12.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.65
tblVehicleEF	LHD1	1.01	0.33
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004

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tblVehicleEF	LHD1	3.1460e-003	2.5670e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5060e-003
tblVehicleEF	LHD1	3.8500e-004	1.2300e-004
tblVehicleEF	LHD1	3.1460e-003	2.5670e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.5950e-003
tblVehicleEF	LHD1	0.01	5.8420e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.67
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.23
tblVehicleEF	LHD1	33.34	12.33
tblVehicleEF	LHD1	0.07	0.05

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	0.89	0.61
tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.8550e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.2100e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5070e-003
tblVehicleEF	LHD1	3.8300e-004	1.2200e-004
tblVehicleEF	LHD1	4.7100e-003	3.8550e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.2100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.28	0.08

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tblVehicleEF	LHD1	5.5970e-003	5.5810e-003
tblVehicleEF	LHD1	0.01	5.6940e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.65
tblVehicleEF	LHD1	2.81	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.20
tblVehicleEF	LHD1	33.34	12.44
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.64
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5420e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08

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tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5060e-003
tblVehicleEF	LHD1	3.8600e-004	1.2300e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5420e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9120e-003
tblVehicleEF	LHD2	4.2980e-003	3.9650e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.76
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.56
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.65	0.84
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003

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tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.1380e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1380e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9200e-003
tblVehicleEF	LHD2	4.3570e-003	4.0120e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.73
tblVehicleEF	LHD2	13.57	13.45

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tblVehicleEF	LHD2	617.83	667.36
tblVehicleEF	LHD2	27.88	9.50
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.79
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.6960e-003	2.3400e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3640e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0300e-004	9.4000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3400e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3640e-003

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tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9100e-003
tblVehicleEF	LHD2	4.2820e-003	3.9540e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.38	0.77
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.57
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.82
tblVehicleEF	LHD2	0.56	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.1610e-003	1.6250e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4300e-004

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1610e-003	1.6250e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4300e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.94	19.19
tblVehicleEF	MCY	9.66	8.53
tblVehicleEF	MCY	188.92	223.45
tblVehicleEF	MCY	44.52	59.65
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66

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tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.05	1.82
tblVehicleEF	MCY	2.2780e-003	2.2110e-003
tblVehicleEF	MCY	6.6300e-004	5.9000e-004
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	3.23	3.24
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.23	1.98
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.47
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.09
tblVehicleEF	MCY	44.52	57.74
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10

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tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.1980e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.29
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.65
tblVehicleEF	MCY	44.52	59.99
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.62

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tblVehicleEF	MCY	0.69	2.29
tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2130e-003
tblVehicleEF	MCY	6.6700e-004	5.9400e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.29
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5750e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.11
tblVehicleEF	MDV	512.22	419.24
tblVehicleEF	MDV	103.14	83.18
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43

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tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.1310e-003	4.1450e-003
tblVehicleEF	MDV	1.0750e-003	8.2300e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9930e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.33
tblVehicleEF	MDV	2.12	2.64
tblVehicleEF	MDV	534.67	432.09
tblVehicleEF	MDV	103.14	82.28
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36

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tblVehicleEF	MDV	5.3570e-003	4.2720e-003
tblVehicleEF	MDV	1.0680e-003	8.1400e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4430e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	414.54
tblVehicleEF	MDV	103.14	83.37
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0980e-003

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tblVehicleEF	MDV	1.0760e-003	8.2500e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.24	1.21
tblVehicleEF	MH	5.78	2.15
tblVehicleEF	MH	1,130.03	1,501.21
tblVehicleEF	MH	60.43	19.42
tblVehicleEF	MH	1.08	1.11
tblVehicleEF	MH	0.80	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	0.95	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.33	0.10

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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0500e-004	1.9200e-004
tblVehicleEF	MH	0.95	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.30	1.24
tblVehicleEF	MH	5.44	2.03
tblVehicleEF	MH	1,130.03	1,501.27
tblVehicleEF	MH	60.43	19.21
tblVehicleEF	MH	0.99	1.03
tblVehicleEF	MH	0.76	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	1.41	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.43

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tblVehicleEF	MH	0.31	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9900e-004	1.9000e-004
tblVehicleEF	MH	1.41	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.34	0.10
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.22	1.20
tblVehicleEF	MH	5.83	2.18
tblVehicleEF	MH	1,130.03	1,501.20
tblVehicleEF	MH	60.43	19.45
tblVehicleEF	MH	1.06	1.09
tblVehicleEF	MH	0.80	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	1.08	0.94
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.08	0.06

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tblVehicleEF	MH	0.02	1.54
tblVehicleEF	MH	0.33	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0600e-004	1.9300e-004
tblVehicleEF	MH	1.08	0.94
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.54
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MHD	0.02	4.3860e-003
tblVehicleEF	MHD	4.8560e-003	4.5970e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.42
tblVehicleEF	MHD	132.92	67.37
tblVehicleEF	MHD	1,150.98	1,069.65
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.49	0.48
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0770e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.3800e-004	1.0300e-003
tblVehicleEF	MHD	4.8830e-003	0.03

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tblVehicleEF	MHD	7.7600e-004	1.2600e-004
tblVehicleEF	MHD	1.1350e-003	6.6200e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.2600e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.1900e-004
tblVehicleEF	MHD	1.1350e-003	6.6200e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.2600e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1570e-003
tblVehicleEF	MHD	4.9280e-003	4.6490e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.35
tblVehicleEF	MHD	140.78	68.19
tblVehicleEF	MHD	1,150.98	1,069.66
tblVehicleEF	MHD	63.58	11.93

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tblVehicleEF	MHD	0.51	0.48
tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.29
tblVehicleEF	MHD	2.0900e-004	9.1000e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.0000e-004	8.7100e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2600e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1800e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7150e-003

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tblVehicleEF	MHD	4.8360e-003	4.5810e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.44
tblVehicleEF	MHD	122.05	66.24
tblVehicleEF	MHD	1,150.98	1,069.64
tblVehicleEF	MHD	63.58	12.07
tblVehicleEF	MHD	0.47	0.48
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3060e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.8900e-004	1.2500e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2600e-004
tblVehicleEF	MHD	1.1690e-003	6.8600e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.1600e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.1900e-004

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tblVehicleEF	MHD	1.1690e-003	6.8600e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.1600e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4810e-003
tblVehicleEF	OBUS	7.7220e-003	7.0170e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.79
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.60
tblVehicleEF	OBUS	1,260.49	1,392.48
tblVehicleEF	OBUS	67.92	19.23
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.76
tblVehicleEF	OBUS	1.1400e-004	7.9300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5900e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4340e-003	1.8440e-003
tblVehicleEF	OBUS	0.02	0.02

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tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.6800e-004	9.4300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	9.0000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4300e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5410e-003
tblVehicleEF	OBUS	7.8490e-003	7.1420e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.47
tblVehicleEF	OBUS	1,260.49	1,392.51
tblVehicleEF	OBUS	67.92	19.00
tblVehicleEF	OBUS	0.53	0.45
tblVehicleEF	OBUS	1.46	1.47
tblVehicleEF	OBUS	2.57	0.75

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	9.6000e-005	6.7400e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	2.1010e-003	2.6890e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3250e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6890e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3250e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4180e-003
tblVehicleEF	OBUS	7.6880e-003	6.9830e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.62

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	0.53	0.79
tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.79
tblVehicleEF	OBUS	1,260.49	1,392.48
tblVehicleEF	OBUS	67.92	19.27
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.54
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5800e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1600e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2500e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	9.0200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	7.4700e-004	9.2500e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0580e-003
tblVehicleEF	SBUS	0.06	6.2120e-003
tblVehicleEF	SBUS	8.15	2.77
tblVehicleEF	SBUS	0.72	0.59
tblVehicleEF	SBUS	7.31	0.85
tblVehicleEF	SBUS	1,121.00	351.72
tblVehicleEF	SBUS	1,079.30	1,109.67
tblVehicleEF	SBUS	55.06	5.24
tblVehicleEF	SBUS	9.20	3.22
tblVehicleEF	SBUS	4.17	4.87
tblVehicleEF	SBUS	12.12	0.88
tblVehicleEF	SBUS	9.3410e-003	4.1230e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	8.9370e-003	3.9440e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.0700e-004
tblVehicleEF	SBUS	0.03	7.8550e-003
tblVehicleEF	SBUS	0.97	0.32

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	1.7650e-003	4.8200e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3550e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.2000e-005
tblVehicleEF	SBUS	3.3650e-003	9.0700e-004
tblVehicleEF	SBUS	0.03	7.8550e-003
tblVehicleEF	SBUS	1.40	0.46
tblVehicleEF	SBUS	1.7650e-003	4.8200e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1350e-003
tblVehicleEF	SBUS	0.06	5.5320e-003
tblVehicleEF	SBUS	8.04	2.74
tblVehicleEF	SBUS	0.73	0.60
tblVehicleEF	SBUS	5.94	0.69
tblVehicleEF	SBUS	1,171.46	359.77
tblVehicleEF	SBUS	1,079.30	1,109.69
tblVehicleEF	SBUS	55.06	4.98
tblVehicleEF	SBUS	9.50	3.29
tblVehicleEF	SBUS	3.93	4.59
tblVehicleEF	SBUS	12.09	0.87
tblVehicleEF	SBUS	7.8750e-003	3.4830e-003

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	7.5340e-003	3.3320e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	4.9570e-003	1.3200e-003
tblVehicleEF	SBUS	0.03	7.9970e-003
tblVehicleEF	SBUS	0.97	0.32
tblVehicleEF	SBUS	2.5080e-003	6.7400e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	4.9000e-005
tblVehicleEF	SBUS	4.9570e-003	1.3200e-003
tblVehicleEF	SBUS	0.03	7.9970e-003
tblVehicleEF	SBUS	1.40	0.45
tblVehicleEF	SBUS	2.5080e-003	6.7400e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.03
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0360e-003
tblVehicleEF	SBUS	0.07	6.3620e-003

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	8.31	2.83
tblVehicleEF	SBUS	0.72	0.58
tblVehicleEF	SBUS	7.56	0.88
tblVehicleEF	SBUS	1,051.30	340.60
tblVehicleEF	SBUS	1,079.30	1,109.67
tblVehicleEF	SBUS	55.06	5.29
tblVehicleEF	SBUS	8.80	3.13
tblVehicleEF	SBUS	4.10	4.79
tblVehicleEF	SBUS	12.13	0.88
tblVehicleEF	SBUS	0.01	5.0060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	0.01	4.7890e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	3.4320e-003	9.2000e-004
tblVehicleEF	SBUS	0.03	8.2560e-003
tblVehicleEF	SBUS	0.98	0.32
tblVehicleEF	SBUS	1.6940e-003	4.6300e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2500e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.2000e-005

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	3.4320e-003	9.2000e-004
tblVehicleEF	SBUS	0.03	8.2560e-003
tblVehicleEF	SBUS	1.41	0.46
tblVehicleEF	SBUS	1.6940e-003	4.6300e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.07
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.53
tblVehicleEF	UBUS	9.98	0.48
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	0.85	0.08

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.5580e-003
tblVehicleEF	UBUS	1.1250e-003	8.4000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	3.56	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.07
tblVehicleEF	UBUS	7.69	0.62
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.38
tblVehicleEF	UBUS	9.41	0.48
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	5.9080e-003	8.9300e-004

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	0.07	8.7350e-003
tblVehicleEF	UBUS	3.2830e-003	6.8000e-004
tblVehicleEF	UBUS	0.86	0.08
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.5580e-003
tblVehicleEF	UBUS	1.1050e-003	8.3000e-005
tblVehicleEF	UBUS	5.9080e-003	8.9300e-004
tblVehicleEF	UBUS	0.07	8.7350e-003
tblVehicleEF	UBUS	3.2830e-003	6.8000e-004
tblVehicleEF	UBUS	3.57	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.07
tblVehicleEF	UBUS	9.08	0.72
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.56
tblVehicleEF	UBUS	9.79	0.48
tblVehicleEF	UBUS	15.38	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.7000e-003	5.9500e-004
tblVehicleEF	UBUS	0.08	9.0200e-003
tblVehicleEF	UBUS	2.5010e-003	4.6500e-004
tblVehicleEF	UBUS	0.85	0.08
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.5580e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	5.9500e-004
tblVehicleEF	UBUS	0.08	9.0200e-003
tblVehicleEF	UBUS	2.5010e-003	4.6500e-004
tblVehicleEF	UBUS	3.55	5.92
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TL	8.40	6.66
tblVehicleTrips	CNW_TL	6.90	5.47
tblVehicleTrips	CW_TL	16.60	13.16
tblVehicleTrips	ST_TR	1.50	1.74
tblVehicleTrips	SU_TR	1.50	1.74
tblVehicleTrips	WD_TR	1.50	1.74

2.0 Emissions Summary

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Energy	0.1564	1.4216	1.1941	8.5300e-003		0.1080	0.1080		0.1080	0.1080		1,705.8630	1,705.8630	0.0327	0.0313	1,716.0001
Mobile	1.3631	3.0553	14.0062	0.0398	3.7860	0.0402	3.8262	1.0111	0.0377	1.0488		4,120.1008	4,120.1008	0.2942		4,127.4560
Total	8.1763	4.4775	15.2704	0.0484	3.7860	0.1485	3.9345	1.0111	0.1460	1.1571		5,826.1138	5,826.1138	0.3273	0.0313	5,843.6160

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Energy	0.1139	1.0356	0.8699	6.2100e-003		0.0787	0.0787		0.0787	0.0787		1,242.7353	1,242.7353	0.0238	0.0228	1,250.1203
Mobile	1.3631	3.0553	14.0062	0.0398	3.7860	0.0402	3.8262	1.0111	0.0377	1.0488		4,120.1008	4,120.1008	0.2942		4,127.4560
Total	8.1339	4.0916	14.9462	0.0460	3.7860	0.1191	3.9052	1.0111	0.1166	1.1278		5,362.9861	5,362.9861	0.3184	0.0228	5,377.7362

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	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	0.52	8.62	2.12	4.80	0.00	19.76	0.75	0.00	20.10	2.53	0.00	7.95	7.95	2.71	27.15	7.97

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/5/2020	12/31/2020	5	64	
2	Grading	Grading	1/1/2021	3/3/2021	5	44	
3	Building Construction	Building Construction	3/3/2021	12/28/2021	5	215	
4	Paving	Paving	9/1/2021	10/26/2021	5	40	
5	Architectural Coating	Architectural Coating	10/27/2021	12/27/2021	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 110

Acres of Paving: 7.59

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 438,600; Non-Residential Outdoor: 146,200; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	1	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	3	8.00	97	0.37
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	123.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1493	46.1422	29.8669	0.0600		1.9927	1.9927		1.8333	1.8333		5,807.7515	5,807.7515	1.8783		5,854.7102
Total	4.1493	46.1422	29.8669	0.0600	8.6733	1.9927	10.6660	3.5965	1.8333	5.4298		5,807.7515	5,807.7515	1.8783		5,854.7102

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	4.1493	46.1422	29.8669	0.0600		1.9927	1.9927		1.8333	1.8333	0.0000	5,807.7515	5,807.7515	1.8783		5,854.7102
Total	4.1493	46.1422	29.8669	0.0600	3.9030	1.9927	5.8957	1.6184	1.8333	3.4517	0.0000	5,807.7515	5,807.7515	1.8783		5,854.7102

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1532	4.6507	1.3477	0.0120	0.3073	9.8300e-003	0.3171	0.0885	9.4100e-003	0.0979		1,283.2585	1,283.2585	0.0828		1,285.3296
Worker	0.5865	0.4012	4.5296	0.0132	1.3749	0.0111	1.3860	0.3646	0.0102	0.3749		1,318.8688	1,318.8688	0.0388		1,319.8391
Total	0.7397	5.0518	5.8772	0.0253	1.6822	0.0209	1.7031	0.4531	0.0196	0.4727		2,602.1274	2,602.1274	0.1217		2,605.1687

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1532	4.6507	1.3477	0.0120	0.3073	9.8300e-003	0.3171	0.0885	9.4100e-003	0.0979		1,283.2585	1,283.2585	0.0828		1,285.3296
Worker	0.5865	0.4012	4.5296	0.0132	1.3749	0.0111	1.3860	0.3646	0.0102	0.3749		1,318.8688	1,318.8688	0.0388		1,319.8391
Total	0.7397	5.0518	5.8772	0.0253	1.6822	0.0209	1.7031	0.4531	0.0196	0.4727		2,602.1274	2,602.1274	0.1217		2,605.1687

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4972					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7527	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4972					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7527	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	61.6034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	61.8223	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1192	0.0815	0.9206	2.6900e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		268.0628	268.0628	7.8900e-003		268.2600
Total	0.1192	0.0815	0.9206	2.6900e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		268.0628	268.0628	7.8900e-003		268.2600

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	61.6034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	61.8223	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1192	0.0815	0.9206	2.6900e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		268.0628	268.0628	7.8900e-003		268.2600
Total	0.1192	0.0815	0.9206	2.6900e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		268.0628	268.0628	7.8900e-003		268.2600

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3631	3.0553	14.0062	0.0398	3.7860	0.0402	3.8262	1.0111	0.0377	1.0488		4,120.1008	4,120.1008	0.2942		4,127.4560
Unmitigated	1.3631	3.0553	14.0062	0.0398	3.7860	0.0402	3.8262	1.0111	0.0377	1.0488		4,120.1008	4,120.1008	0.2942		4,127.4560

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	508.78	508.78	508.78	1,786,262	1,786,262
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	508.78	508.78	508.78	1,786,262	1,786,262

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	13.16	6.66	5.47	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.1139	1.0356	0.8699	6.2100e-003		0.0787	0.0787		0.0787	0.0787		1,242.7353	1,242.7353	0.0238	0.0228	1,250.1203
NaturalGas Unmitigated	0.1564	1.4216	1.1941	8.5300e-003		0.1080	0.1080		0.1080	0.1080		1,705.8630	1,705.8630	0.0327	0.0313	1,716.0001

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - Natural Gas

Unmitigated

	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	lb/day										lb/day					
General Heavy Industry	14499.8	0.1564	1.4216	1.1941	8.5300e-003		0.1080	0.1080		0.1080	0.1080		1,705.8630	1,705.8630	0.0327	0.0313	1,716.0001
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1564	1.4216	1.1941	8.5300e-003		0.1080	0.1080		0.1080	0.1080		1,705.8630	1,705.8630	0.0327	0.0313	1,716.0001

Mitigated

	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	lb/day										lb/day					
General Heavy Industry	10.5633	0.1139	1.0356	0.8699	6.2100e-003		0.0787	0.0787		0.0787	0.0787		1,242.7353	1,242.7353	0.0238	0.0228	1,250.1203
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1139	1.0356	0.8699	6.2100e-003		0.0787	0.0787		0.0787	0.0787		1,242.7353	1,242.7353	0.0238	0.0228	1,250.1203

6.0 Area Detail

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Unmitigated	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.9077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5200e-003	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Total	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.9077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5200e-003	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Total	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599

7.0 Water Detail

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

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
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Panattoni Warehouse (only) Project - Los Angeles-South Coast County, Winter

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Panattoni Warehouse + Manufacturing Project
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	165.20	1000sqft	3.79	165,200.00	0
Manufacturing	127.20	1000sqft	2.92	127,200.00	0
Other Asphalt Surfaces	4.09	Acre	4.09	178,160.40	0
Parking Lot	389.00	Space	3.50	155,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	513	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - SCE 2018 Sustainability report pg10 <https://www.edison.com/content/dam/eix/documents/sustainability/eix-2018-sustainability-report.pdf>

Land Use -

Construction Phase - Anticipated Construction Schedule

Grading - Per Conceptual Grading Plan.

Vehicle Trips - Per the ITE Trip Gen Manual 10th Edition, 2017.

Calculated trip lengths are based off the anticipated yearly VMT from the Pehr & Fehr VMT Memo. The project would have approximately 5,681 daily VMT's.

Vehicle Emission Factors - EMFAC 2017: Operational Year 2022

Vehicle Emission Factors - EMFAC 2017: Operational Year 2022

Vehicle Emission Factors - EMFAC 2017: Operational Year 2022

Energy Use -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Area Mitigation - SCAQMD Rule 1113

Energy Mitigation - 2019 Title 24 requirements.

Water Mitigation - 2019 Title 24 and CalGreen Code Requirements.

Waste Mitigation - AB 341 requirements

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tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
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tblVehicleEF	LDT1	0.04	0.03
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tblVehicleEF	LDT1	0.19	0.36
tblVehicleEF	LDT1	3.4330e-003	3.1530e-003
tblVehicleEF	LDT1	7.4300e-004	6.2700e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.2630e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.59
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	331.08
tblVehicleEF	LDT1	69.44	62.64
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04

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tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.17	0.32
tblVehicleEF	LDT1	3.5840e-003	3.2760e-003
tblVehicleEF	LDT1	7.3600e-004	6.2000e-004
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.18	0.35
tblVehicleEF	LDT1	0.02	7.6410e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	314.09
tblVehicleEF	LDT1	69.44	63.47
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.83

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tblVehicleEF	LDT1	0.20	0.37
tblVehicleEF	LDT1	3.3780e-003	3.1080e-003
tblVehicleEF	LDT1	7.4500e-004	6.2800e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9910e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	341.38
tblVehicleEF	LDT2	78.07	68.34
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31

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tblVehicleEF	LDT2	3.8260e-003	3.3770e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.3200e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	353.53
tblVehicleEF	LDT2	78.07	67.60
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4980e-003

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tblVehicleEF	LDT2	8.0000e-004	6.6900e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8890e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	336.92
tblVehicleEF	LDT2	78.07	68.50
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.29
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3330e-003
tblVehicleEF	LDT2	8.0400e-004	6.7800e-004

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tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.5830e-003
tblVehicleEF	LHD1	0.01	5.7240e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.21
tblVehicleEF	LHD1	33.34	12.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.65
tblVehicleEF	LHD1	1.01	0.33
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5670e-003

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tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5060e-003
tblVehicleEF	LHD1	3.8500e-004	1.2300e-004
tblVehicleEF	LHD1	3.1460e-003	2.5670e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.5950e-003
tblVehicleEF	LHD1	0.01	5.8420e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.67
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.23
tblVehicleEF	LHD1	33.34	12.33
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.61

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tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.8550e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.2100e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5070e-003
tblVehicleEF	LHD1	3.8300e-004	1.2200e-004
tblVehicleEF	LHD1	4.7100e-003	3.8550e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.2100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.5810e-003

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tblVehicleEF	LHD1	0.01	5.6940e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.65
tblVehicleEF	LHD1	2.81	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.20
tblVehicleEF	LHD1	33.34	12.44
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.64
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5420e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005

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tblVehicleEF	LHD1	5.9300e-003	6.5060e-003
tblVehicleEF	LHD1	3.8600e-004	1.2300e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5420e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9120e-003
tblVehicleEF	LHD2	4.2980e-003	3.9650e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.76
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.56
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.65	0.84
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003

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tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.1380e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1380e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9200e-003
tblVehicleEF	LHD2	4.3570e-003	4.0120e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.73
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.36

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tblVehicleEF	LHD2	27.88	9.50
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.79
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.6960e-003	2.3400e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3640e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0300e-004	9.4000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3400e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3640e-003
tblVehicleEF	LHD2	0.05	0.06

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tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9100e-003
tblVehicleEF	LHD2	4.2820e-003	3.9540e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.38	0.77
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.57
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.82
tblVehicleEF	LHD2	0.56	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.1610e-003	1.6250e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4300e-004
tblVehicleEF	LHD2	0.04	0.05

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tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1610e-003	1.6250e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4300e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.94	19.19
tblVehicleEF	MCY	9.66	8.53
tblVehicleEF	MCY	188.92	223.45
tblVehicleEF	MCY	44.52	59.65
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66
tblVehicleEF	MCY	0.65	0.67

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tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.05	1.82
tblVehicleEF	MCY	2.2780e-003	2.2110e-003
tblVehicleEF	MCY	6.6300e-004	5.9000e-004
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	3.23	3.24
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.23	1.98
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.47
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.09
tblVehicleEF	MCY	44.52	57.74
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	2.54	2.55

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tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.1980e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.29
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.65
tblVehicleEF	MCY	44.52	59.99
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.62
tblVehicleEF	MCY	0.69	2.29

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tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2130e-003
tblVehicleEF	MCY	6.6700e-004	5.9400e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.29
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5750e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.11
tblVehicleEF	MDV	512.22	419.24
tblVehicleEF	MDV	103.14	83.18
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40

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tblVehicleEF	MDV	5.1310e-003	4.1450e-003
tblVehicleEF	MDV	1.0750e-003	8.2300e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9930e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.33
tblVehicleEF	MDV	2.12	2.64
tblVehicleEF	MDV	534.67	432.09
tblVehicleEF	MDV	103.14	82.28
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2720e-003

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tblVehicleEF	MDV	1.0680e-003	8.1400e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4430e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	414.54
tblVehicleEF	MDV	103.14	83.37
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0980e-003
tblVehicleEF	MDV	1.0760e-003	8.2500e-004

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tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.24	1.21
tblVehicleEF	MH	5.78	2.15
tblVehicleEF	MH	1,130.03	1,501.21
tblVehicleEF	MH	60.43	19.42
tblVehicleEF	MH	1.08	1.11
tblVehicleEF	MH	0.80	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	0.95	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.33	0.10
tblVehicleEF	MH	0.01	0.01

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tblVehicleEF	MH	7.0500e-004	1.9200e-004
tblVehicleEF	MH	0.95	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.30	1.24
tblVehicleEF	MH	5.44	2.03
tblVehicleEF	MH	1,130.03	1,501.27
tblVehicleEF	MH	60.43	19.21
tblVehicleEF	MH	0.99	1.03
tblVehicleEF	MH	0.76	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	1.41	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.31	0.09

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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9900e-004	1.9000e-004
tblVehicleEF	MH	1.41	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.34	0.10
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.22	1.20
tblVehicleEF	MH	5.83	2.18
tblVehicleEF	MH	1,130.03	1,501.20
tblVehicleEF	MH	60.43	19.45
tblVehicleEF	MH	1.06	1.09
tblVehicleEF	MH	0.80	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	1.08	0.94
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	1.54

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tblVehicleEF	MH	0.33	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0600e-004	1.9300e-004
tblVehicleEF	MH	1.08	0.94
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.54
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MHD	0.02	4.3860e-003
tblVehicleEF	MHD	4.8560e-003	4.5970e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.42
tblVehicleEF	MHD	132.92	67.37
tblVehicleEF	MHD	1,150.98	1,069.65
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.49	0.48
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0770e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.3800e-004	1.0300e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2600e-004

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tblVehicleEF	MHD	1.1350e-003	6.6200e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.2600e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.1900e-004
tblVehicleEF	MHD	1.1350e-003	6.6200e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.2600e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1570e-003
tblVehicleEF	MHD	4.9280e-003	4.6490e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.35
tblVehicleEF	MHD	140.78	68.19
tblVehicleEF	MHD	1,150.98	1,069.66
tblVehicleEF	MHD	63.58	11.93
tblVehicleEF	MHD	0.51	0.48

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tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.29
tblVehicleEF	MHD	2.0900e-004	9.1000e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.0000e-004	8.7100e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2600e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1800e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7150e-003
tblVehicleEF	MHD	4.8360e-003	4.5810e-003

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tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.44
tblVehicleEF	MHD	122.05	66.24
tblVehicleEF	MHD	1,150.98	1,069.64
tblVehicleEF	MHD	63.58	12.07
tblVehicleEF	MHD	0.47	0.48
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3060e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.8900e-004	1.2500e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2600e-004
tblVehicleEF	MHD	1.1690e-003	6.8600e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.1600e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.1900e-004
tblVehicleEF	MHD	1.1690e-003	6.8600e-004

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tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.1600e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4810e-003
tblVehicleEF	OBUS	7.7220e-003	7.0170e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.79
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.60
tblVehicleEF	OBUS	1,260.49	1,392.48
tblVehicleEF	OBUS	67.92	19.23
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.76
tblVehicleEF	OBUS	1.1400e-004	7.9300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5900e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4340e-003	1.8440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06

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tblVehicleEF	OBUS	7.6800e-004	9.4300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	9.0000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4300e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5410e-003
tblVehicleEF	OBUS	7.8490e-003	7.1420e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.47
tblVehicleEF	OBUS	1,260.49	1,392.51
tblVehicleEF	OBUS	67.92	19.00
tblVehicleEF	OBUS	0.53	0.45
tblVehicleEF	OBUS	1.46	1.47
tblVehicleEF	OBUS	2.57	0.75
tblVehicleEF	OBUS	9.6000e-005	6.7400e-004

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tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	2.1010e-003	2.6890e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3250e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6890e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3250e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4180e-003
tblVehicleEF	OBUS	7.6880e-003	6.9830e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.62
tblVehicleEF	OBUS	0.53	0.79

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tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.79
tblVehicleEF	OBUS	1,260.49	1,392.48
tblVehicleEF	OBUS	67.92	19.27
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.54
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5800e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1600e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2500e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	9.0200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2500e-004

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tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0580e-003
tblVehicleEF	SBUS	0.06	6.2120e-003
tblVehicleEF	SBUS	8.15	2.77
tblVehicleEF	SBUS	0.72	0.59
tblVehicleEF	SBUS	7.31	0.85
tblVehicleEF	SBUS	1,121.00	351.72
tblVehicleEF	SBUS	1,079.30	1,109.67
tblVehicleEF	SBUS	55.06	5.24
tblVehicleEF	SBUS	9.20	3.22
tblVehicleEF	SBUS	4.17	4.87
tblVehicleEF	SBUS	12.12	0.88
tblVehicleEF	SBUS	9.3410e-003	4.1230e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	8.9370e-003	3.9440e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.0700e-004
tblVehicleEF	SBUS	0.03	7.8550e-003
tblVehicleEF	SBUS	0.97	0.32
tblVehicleEF	SBUS	1.7650e-003	4.8200e-004

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tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3550e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.2000e-005
tblVehicleEF	SBUS	3.3650e-003	9.0700e-004
tblVehicleEF	SBUS	0.03	7.8550e-003
tblVehicleEF	SBUS	1.40	0.46
tblVehicleEF	SBUS	1.7650e-003	4.8200e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1350e-003
tblVehicleEF	SBUS	0.06	5.5320e-003
tblVehicleEF	SBUS	8.04	2.74
tblVehicleEF	SBUS	0.73	0.60
tblVehicleEF	SBUS	5.94	0.69
tblVehicleEF	SBUS	1,171.46	359.77
tblVehicleEF	SBUS	1,079.30	1,109.69
tblVehicleEF	SBUS	55.06	4.98
tblVehicleEF	SBUS	9.50	3.29
tblVehicleEF	SBUS	3.93	4.59
tblVehicleEF	SBUS	12.09	0.87
tblVehicleEF	SBUS	7.8750e-003	3.4830e-003
tblVehicleEF	SBUS	0.01	0.01

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tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	7.5340e-003	3.3320e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	4.9570e-003	1.3200e-003
tblVehicleEF	SBUS	0.03	7.9970e-003
tblVehicleEF	SBUS	0.97	0.32
tblVehicleEF	SBUS	2.5080e-003	6.7400e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	4.9000e-005
tblVehicleEF	SBUS	4.9570e-003	1.3200e-003
tblVehicleEF	SBUS	0.03	7.9970e-003
tblVehicleEF	SBUS	1.40	0.45
tblVehicleEF	SBUS	2.5080e-003	6.7400e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.03
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0360e-003
tblVehicleEF	SBUS	0.07	6.3620e-003
tblVehicleEF	SBUS	8.31	2.83

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tblVehicleEF	SBUS	0.72	0.58
tblVehicleEF	SBUS	7.56	0.88
tblVehicleEF	SBUS	1,051.30	340.60
tblVehicleEF	SBUS	1,079.30	1,109.67
tblVehicleEF	SBUS	55.06	5.29
tblVehicleEF	SBUS	8.80	3.13
tblVehicleEF	SBUS	4.10	4.79
tblVehicleEF	SBUS	12.13	0.88
tblVehicleEF	SBUS	0.01	5.0060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	0.01	4.7890e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	3.4320e-003	9.2000e-004
tblVehicleEF	SBUS	0.03	8.2560e-003
tblVehicleEF	SBUS	0.98	0.32
tblVehicleEF	SBUS	1.6940e-003	4.6300e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2500e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.2000e-005
tblVehicleEF	SBUS	3.4320e-003	9.2000e-004

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tblVehicleEF	SBUS	0.03	8.2560e-003
tblVehicleEF	SBUS	1.41	0.46
tblVehicleEF	SBUS	1.6940e-003	4.6300e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.07
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.53
tblVehicleEF	UBUS	9.98	0.48
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	0.85	0.08
tblVehicleEF	UBUS	0.02	0.05

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tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.5580e-003
tblVehicleEF	UBUS	1.1250e-003	8.4000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	3.56	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.07
tblVehicleEF	UBUS	7.69	0.62
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.38
tblVehicleEF	UBUS	9.41	0.48
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	5.9080e-003	8.9300e-004
tblVehicleEF	UBUS	0.07	8.7350e-003

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tblVehicleEF	UBUS	3.2830e-003	6.8000e-004
tblVehicleEF	UBUS	0.86	0.08
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.5580e-003
tblVehicleEF	UBUS	1.1050e-003	8.3000e-005
tblVehicleEF	UBUS	5.9080e-003	8.9300e-004
tblVehicleEF	UBUS	0.07	8.7350e-003
tblVehicleEF	UBUS	3.2830e-003	6.8000e-004
tblVehicleEF	UBUS	3.57	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.07
tblVehicleEF	UBUS	9.08	0.72
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.56
tblVehicleEF	UBUS	9.79	0.48
tblVehicleEF	UBUS	15.38	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003

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tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.7000e-003	5.9500e-004
tblVehicleEF	UBUS	0.08	9.0200e-003
tblVehicleEF	UBUS	2.5010e-003	4.6500e-004
tblVehicleEF	UBUS	0.85	0.08
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.5580e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	5.9500e-004
tblVehicleEF	UBUS	0.08	9.0200e-003
tblVehicleEF	UBUS	2.5010e-003	4.6500e-004
tblVehicleEF	UBUS	3.55	5.92
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TL	8.40	4.98
tblVehicleTrips	CC_TL	8.40	4.98
tblVehicleTrips	CNW_TL	6.90	4.09
tblVehicleTrips	CNW_TL	6.90	4.09
tblVehicleTrips	CW_TL	16.60	9.85
tblVehicleTrips	CW_TL	16.60	9.85
tblVehicleTrips	ST_TR	1.50	1.74
tblVehicleTrips	ST_TR	1.49	3.93
tblVehicleTrips	SU_TR	1.50	1.74
tblVehicleTrips	SU_TR	0.62	3.93
tblVehicleTrips	WD_TR	1.50	1.74
tblVehicleTrips	WD_TR	3.82	3.93

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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1082	1.0642	0.7159	1.3000e-003	5.2600e-003	0.0531	0.0584	1.4000e-003	0.0494	0.0508	0.0000	113.6980	113.6980	0.0309	0.0000	114.4697
2021	1.7688	3.7385	3.4547	7.6200e-003	0.3811	0.1649	0.5460	0.1304	0.1540	0.2844	0.0000	680.2067	680.2067	0.1229	0.0000	683.2790
Maximum	1.7688	3.7385	3.4547	7.6200e-003	0.3811	0.1649	0.5460	0.1304	0.1540	0.2844	0.0000	680.2067	680.2067	0.1229	0.0000	683.2790

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					
2020	0.1082	1.0642	0.7159	1.3000e-003	5.2600e-003	0.0531	0.0584	1.4000e-003	0.0494	0.0508	0.0000	113.6979	113.6979	0.0309	0.0000	114.4696
2021	1.7688	3.7385	3.4547	7.6200e-003	0.2762	0.1649	0.4411	0.0869	0.1540	0.2409	0.0000	680.2062	680.2062	0.1229	0.0000	683.2785
Maximum	1.7688	3.7385	3.4547	7.6200e-003	0.2762	0.1649	0.4411	0.0869	0.1540	0.2409	0.0000	680.2062	680.2062	0.1229	0.0000	683.2785

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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
Percent Reduction	0.00	0.00	0.00	0.00	27.16	0.00	17.36	33.01	0.00	12.99	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)
1	10-5-2020	1-4-2021	1.2237	1.2237
2	1-5-2021	4-4-2021	1.3402	1.3402
3	4-5-2021	7-4-2021	0.8134	0.8134
4	7-5-2021	9-30-2021	0.9450	0.9450
		Highest	1.3402	1.3402

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	1.2145	8.0000e-005	8.7600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Energy	0.0285	0.2594	0.2179	1.5600e-003		0.0197	0.0197		0.0197	0.0197	0.0000	1,050.3346	1,050.3346	0.0488	0.0142	1,055.7746
Mobile	0.3402	0.6930	3.1910	8.5500e-003	0.7826	8.6000e-003	0.7912	0.2093	8.0600e-003	0.2174	0.0000	802.2371	802.2371	0.0602	0.0000	803.7420
Waste						0.0000	0.0000		0.0000	0.0000	73.6005	0.0000	73.6005	4.3497	0.0000	182.3420
Water						0.0000	0.0000		0.0000	0.0000	21.4519	204.8739	226.3258	2.2149	0.0544	297.9158
Total	1.5832	0.9525	3.4177	0.0101	0.7826	0.0284	0.8109	0.2093	0.0278	0.2372	95.0524	2,057.4625	2,152.5149	6.6736	0.0686	2,339.7925

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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	1.2145	8.0000e-005	8.7600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Energy	0.0208	0.1890	0.1588	1.1300e-003		0.0144	0.0144		0.0144	0.0144	0.0000	918.5467	918.5467	0.0442	0.0121	923.2611
Mobile	0.3402	0.6930	3.1910	8.5500e-003	0.7826	8.6000e-003	0.7912	0.2093	8.0600e-003	0.2174	0.0000	802.2371	802.2371	0.0602	0.0000	803.7420
Waste						0.0000	0.0000		0.0000	0.0000	18.4001	0.0000	18.4001	1.0874	0.0000	45.5855
Water						0.0000	0.0000		0.0000	0.0000	17.1615	163.8991	181.0606	1.7719	0.0435	238.3326
Total	1.5755	0.8820	3.3585	9.6800e-003	0.7826	0.0230	0.8056	0.2093	0.0225	0.2318	35.5617	1,884.6999	1,920.2615	2.9638	0.0557	2,010.9393

	ROG	NOx	CO	SO2	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	0.49	7.39	1.73	4.25	0.00	18.91	0.66	0.00	19.27	2.26	62.59	8.40	10.79	55.59	18.85	14.05

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	10/5/2020	12/31/2020	5	64	
2	Grading	Grading	1/1/2021	3/3/2021	5	44	
3	Building Construction	Building Construction	3/3/2021	12/28/2021	5	215	
4	Paving	Paving	9/1/2021	10/26/2021	5	40	
5	Architectural Coating	Architectural Coating	10/27/2021	12/27/2021	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 110

Acres of Paving: 7.59

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 438,600; Non-Residential Outdoor: 146,200; 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	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	1	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	3	8.00	97	0.37
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	123.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1060	1.0624	0.6961	1.2400e-003		0.0531	0.0531		0.0493	0.0493	0.0000	108.7955	108.7955	0.0307	0.0000	109.5634
Total	0.1060	1.0624	0.6961	1.2400e-003		0.0531	0.0531		0.0493	0.0493	0.0000	108.7955	108.7955	0.0307	0.0000	109.5634

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3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2200e-003	1.7900e-003	0.0198	5.0000e-005	5.2600e-003	4.0000e-005	5.3000e-003	1.4000e-003	4.0000e-005	1.4400e-003	0.0000	4.9025	4.9025	1.5000e-004	0.0000	4.9064
Total	2.2200e-003	1.7900e-003	0.0198	5.0000e-005	5.2600e-003	4.0000e-005	5.3000e-003	1.4000e-003	4.0000e-005	1.4400e-003	0.0000	4.9025	4.9025	1.5000e-004	0.0000	4.9064

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1060	1.0624	0.6961	1.2400e-003		0.0531	0.0531		0.0493	0.0493	0.0000	108.7954	108.7954	0.0307	0.0000	109.5632
Total	0.1060	1.0624	0.6961	1.2400e-003		0.0531	0.0531		0.0493	0.0493	0.0000	108.7954	108.7954	0.0307	0.0000	109.5632

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3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2200e-003	1.7900e-003	0.0198	5.0000e-005	5.2600e-003	4.0000e-005	5.3000e-003	1.4000e-003	4.0000e-005	1.4400e-003	0.0000	4.9025	4.9025	1.5000e-004	0.0000	4.9064
Total	2.2200e-003	1.7900e-003	0.0198	5.0000e-005	5.2600e-003	4.0000e-005	5.3000e-003	1.4000e-003	4.0000e-005	1.4400e-003	0.0000	4.9025	4.9025	1.5000e-004	0.0000	4.9064

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1908	0.0000	0.1908	0.0791	0.0000	0.0791	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0913	1.0151	0.6571	1.3200e-003		0.0438	0.0438		0.0403	0.0403	0.0000	115.9115	115.9115	0.0375	0.0000	116.8487
Total	0.0913	1.0151	0.6571	1.3200e-003	0.1908	0.0438	0.2347	0.0791	0.0403	0.1195	0.0000	115.9115	115.9115	0.0375	0.0000	116.8487

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3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4200e-003	1.1100e-003	0.0125	4.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.2634	3.2634	1.0000e-004	0.0000	3.2658
Total	1.4200e-003	1.1100e-003	0.0125	4.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.2634	3.2634	1.0000e-004	0.0000	3.2658

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0859	0.0000	0.0859	0.0356	0.0000	0.0356	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0913	1.0151	0.6571	1.3200e-003		0.0438	0.0438		0.0403	0.0403	0.0000	115.9113	115.9113	0.0375	0.0000	116.8485
Total	0.0913	1.0151	0.6571	1.3200e-003	0.0859	0.0438	0.1297	0.0356	0.0403	0.0759	0.0000	115.9113	115.9113	0.0375	0.0000	116.8485

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3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4200e-003	1.1100e-003	0.0125	4.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.2634	3.2634	1.0000e-004	0.0000	3.2658
Total	1.4200e-003	1.1100e-003	0.0125	4.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.2634	3.2634	1.0000e-004	0.0000	3.2658

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2044	1.8740	1.7818	2.8900e-003		0.1031	0.1031		0.0969	0.0969	0.0000	249.0101	249.0101	0.0601	0.0000	250.5120
Total	0.2044	1.8740	1.7818	2.8900e-003		0.1031	0.1031		0.0969	0.0969	0.0000	249.0101	249.0101	0.0601	0.0000	250.5120

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3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0160	0.5092	0.1381	1.3100e-003	0.0325	1.0400e-003	0.0335	9.3800e-003	9.9000e-004	0.0104	0.0000	127.1922	127.1922	7.8000e-003	0.0000	127.3873
Worker	0.0569	0.0443	0.5000	1.4500e-003	0.1449	1.1900e-003	0.1461	0.0385	1.1000e-003	0.0396	0.0000	130.7596	130.7596	3.8500e-003	0.0000	130.8558
Total	0.0729	0.5535	0.6381	2.7600e-003	0.1774	2.2300e-003	0.1796	0.0479	2.0900e-003	0.0500	0.0000	257.9518	257.9518	0.0117	0.0000	258.2430

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2044	1.8740	1.7818	2.8900e-003		0.1031	0.1031		0.0969	0.0969	0.0000	249.0098	249.0098	0.0601	0.0000	250.5117
Total	0.2044	1.8740	1.7818	2.8900e-003		0.1031	0.1031		0.0969	0.0969	0.0000	249.0098	249.0098	0.0601	0.0000	250.5117

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3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0160	0.5092	0.1381	1.3100e-003	0.0325	1.0400e-003	0.0335	9.3800e-003	9.9000e-004	0.0104	0.0000	127.1922	127.1922	7.8000e-003	0.0000	127.3873
Worker	0.0569	0.0443	0.5000	1.4500e-003	0.1449	1.1900e-003	0.1461	0.0385	1.1000e-003	0.0396	0.0000	130.7596	130.7596	3.8500e-003	0.0000	130.8558
Total	0.0729	0.5535	0.6381	2.7600e-003	0.1774	2.2300e-003	0.1796	0.0479	2.0900e-003	0.0500	0.0000	257.9518	257.9518	0.0117	0.0000	258.2430

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0251	0.2584	0.2931	4.6000e-004		0.0136	0.0136		0.0125	0.0125	0.0000	40.0470	40.0470	0.0130	0.0000	40.3708
Paving	9.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0351	0.2584	0.2931	4.6000e-004		0.0136	0.0136		0.0125	0.0125	0.0000	40.0470	40.0470	0.0130	0.0000	40.3708

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3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	3.2900e-003	3.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9668	2.9668	9.0000e-005	0.0000	2.9689
Total	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	3.2900e-003	3.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9668	2.9668	9.0000e-005	0.0000	2.9689

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0251	0.2584	0.2931	4.6000e-004		0.0136	0.0136		0.0125	0.0125	0.0000	40.0469	40.0469	0.0130	0.0000	40.3707
Paving	9.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0351	0.2584	0.2931	4.6000e-004		0.0136	0.0136		0.0125	0.0125	0.0000	40.0469	40.0469	0.0130	0.0000	40.3707

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3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	3.2900e-003	3.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9668	2.9668	9.0000e-005	0.0000	2.9689
Total	1.2900e-003	1.0000e-003	0.0113	3.0000e-005	3.2900e-003	3.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.9668	2.9668	9.0000e-005	0.0000	2.9689

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3553					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8200e-003	0.0336	0.0400	7.0000e-005		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	5.6172	5.6172	3.9000e-004	0.0000	5.6268
Total	1.3601	0.0336	0.0400	7.0000e-005		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	5.6172	5.6172	3.9000e-004	0.0000	5.6268

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3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3700e-003	1.8400e-003	0.0208	6.0000e-005	6.0300e-003	5.0000e-005	6.0800e-003	1.6000e-003	5.0000e-005	1.6500e-003	0.0000	5.4390	5.4390	1.6000e-004	0.0000	5.4431
Total	2.3700e-003	1.8400e-003	0.0208	6.0000e-005	6.0300e-003	5.0000e-005	6.0800e-003	1.6000e-003	5.0000e-005	1.6500e-003	0.0000	5.4390	5.4390	1.6000e-004	0.0000	5.4431

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3553					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8200e-003	0.0336	0.0400	7.0000e-005		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	5.6172	5.6172	3.9000e-004	0.0000	5.6268
Total	1.3601	0.0336	0.0400	7.0000e-005		2.0700e-003	2.0700e-003		2.0700e-003	2.0700e-003	0.0000	5.6172	5.6172	3.9000e-004	0.0000	5.6268

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3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3700e-003	1.8400e-003	0.0208	6.0000e-005	6.0300e-003	5.0000e-005	6.0800e-003	1.6000e-003	5.0000e-005	1.6500e-003	0.0000	5.4390	5.4390	1.6000e-004	0.0000	5.4431
Total	2.3700e-003	1.8400e-003	0.0208	6.0000e-005	6.0300e-003	5.0000e-005	6.0800e-003	1.6000e-003	5.0000e-005	1.6500e-003	0.0000	5.4390	5.4390	1.6000e-004	0.0000	5.4431

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	0.3402	0.6930	3.1910	8.5500e-003	0.7826	8.6000e-003	0.7912	0.2093	8.0600e-003	0.2174	0.0000	802.2371	802.2371	0.0602	0.0000	803.7420
Unmitigated	0.3402	0.6930	3.1910	8.5500e-003	0.7826	8.6000e-003	0.7912	0.2093	8.0600e-003	0.2174	0.0000	802.2371	802.2371	0.0602	0.0000	803.7420

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	287.45	287.45	287.45	755,260	755,260
Manufacturing	499.90	499.90	499.90	1,313,460	1,313,460
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	787.34	787.34	787.34	2,068,719	2,068,719

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	9.85	4.98	4.09	59.00	28.00	13.00	92	5	3
Manufacturing	9.85	4.98	4.09	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Manufacturing	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	712.7979	712.7979	0.0403	8.3400e-003	716.2896
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	767.9098	767.9098	0.0434	8.9800e-003	771.6715
NaturalGas Mitigated	0.0208	0.1890	0.1588	1.1300e-003		0.0144	0.0144		0.0144	0.0144	0.0000	205.7488	205.7488	3.9400e-003	3.7700e-003	206.9714
NaturalGas Unmitigated	0.0285	0.2594	0.2179	1.5600e-003		0.0197	0.0197		0.0197	0.0197	0.0000	282.4248	282.4248	5.4100e-003	5.1800e-003	284.1031

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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					
General Heavy Industry	2.99012e+006	0.0161	0.1466	0.1231	8.8000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	159.5642	159.5642	3.0600e-003	2.9300e-003	160.5124
Manufacturing	2.30232e+006	0.0124	0.1129	0.0948	6.8000e-004		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	122.8606	122.8606	2.3500e-003	2.2500e-003	123.5907
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0285	0.2594	0.2179	1.5600e-003		0.0197	0.0197		0.0197	0.0197	0.0000	282.4248	282.4248	5.4100e-003	5.1800e-003	284.1031

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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					
General Heavy Industry	2.17833e+006	0.0118	0.1068	0.0897	6.4000e-004		8.1200e-003	8.1200e-003		8.1200e-003	8.1200e-003	0.0000	116.2438	116.2438	2.2300e-003	2.1300e-003	116.9346
Manufacturing	1.67726e+006	9.0400e-003	0.0822	0.0691	4.9000e-004		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	89.5049	89.5049	1.7200e-003	1.6400e-003	90.0368
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0208	0.1890	0.1588	1.1300e-003		0.0144	0.0144		0.0144	0.0144	0.0000	205.7488	205.7488	3.9500e-003	3.7700e-003	206.9714

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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			
General Heavy Industry	1.83372e+006	426.6936	0.0241	4.9900e-003	428.7838
Manufacturing	1.41192e+006	328.5437	0.0186	3.8400e-003	330.1532
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	54460	12.6725	7.2000e-004	1.5000e-004	12.7345
Total		767.9098	0.0434	8.9800e-003	771.6715

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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			
General Heavy Industry	1.69991e+006	395.5565	0.0224	4.6300e-003	397.4942
Manufacturing	1.30889e+006	304.5689	0.0172	3.5600e-003	306.0609
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	54460	12.6725	7.2000e-004	1.5000e-004	12.7345
Total		712.7979	0.0403	8.3400e-003	716.2896

6.0 Area Detail**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

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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	1.2145	8.0000e-005	8.7600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Unmitigated	1.2145	8.0000e-005	8.7600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1355					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.1000e-004	8.0000e-005	8.7600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Total	1.2145	8.0000e-005	8.7600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181

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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	0.1355					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0782					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.1000e-004	8.0000e-005	8.7600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181
Total	1.2145	8.0000e-005	8.7600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0170	0.0170	4.0000e-005	0.0000	0.0181

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	181.0606	1.7719	0.0435	238.3326
Unmitigated	226.3258	2.2149	0.0544	297.9158

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	38.2025 / 0	127.8694	1.2514	0.0308	168.3163
Manufacturing	29.415 / 0	98.4564	0.9635	0.0237	129.5995
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		226.3258	2.2149	0.0544	297.9158

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7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	30.562 / 0	102.2955	1.0011	0.0246	134.6530
Manufacturing	23.532 / 0	78.7651	0.7708	0.0189	103.6796
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		181.0606	1.7719	0.0435	238.3326

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	18.4001	1.0874	0.0000	45.5855
Unmitigated	73.6005	4.3497	0.0000	182.3420

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	204.85	41.5827	2.4575	0.0000	103.0194
Manufacturing	157.73	32.0178	1.8922	0.0000	79.3227
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		73.6005	4.3497	0.0000	182.3420

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	51.2125	10.3957	0.6144	0.0000	25.7548
Manufacturing	39.4325	8.0044	0.4731	0.0000	19.8307
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		18.4001	1.0874	0.0000	45.5855

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

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Equipment Type	Number
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11.0 Vegetation

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

Panattoni Warehouse + Manufacturing Project
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	165.20	1000sqft	3.79	165,200.00	0
Manufacturing	127.20	1000sqft	2.92	127,200.00	0
Other Asphalt Surfaces	4.09	Acre	4.09	178,160.40	0
Parking Lot	389.00	Space	3.50	155,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	513	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - SCE 2018 Sustainability report pg10 <https://www.edison.com/content/dam/eix/documents/sustainability/eix-2018-sustainability-report.pdf>

Land Use -

Construction Phase - Anticipated Construction Schedule

Grading - Per Conceptual Grading Plan.

Vehicle Trips - Per the ITE Trip Gen Manual 10th Edition, 2017.

Calculated trip lengths are based off the anticipated yearly VMT from the Pehr & Fehr VMT Memo. The project would have approximately 5,681 daily VMT's.

Vehicle Emission Factors - EMFAC 2017: Operational Year 2022

Vehicle Emission Factors - EMFAC 2017: Operational Year 2022

Vehicle Emission Factors - EMFAC 2017: Operational Year 2022

Energy Use -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Area Mitigation - SCAQMD Rule 1113

Energy Mitigation - 2019 Title 24 requirements.

Water Mitigation - 2019 Title 24 and CalGreen Code Requirements.

Waste Mitigation - AB 341 requirements

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	20,026.00	0.00
tblAreaCoating	Area_Parking	20026	0
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	300.00	215.00
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	30.00	44.00
tblConstructionPhase	NumDays	20.00	40.00

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tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblTripsAndVMT	VendorTripNumber	103.00	48.00
tblTripsAndVMT	WorkerTripNumber	20.00	15.00
tblTripsAndVMT	WorkerTripNumber	263.00	123.00
tblTripsAndVMT	WorkerTripNumber	53.00	25.00
tblVehicleEF	HHD	0.62	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	2.47	6.32
tblVehicleEF	HHD	1.15	0.58
tblVehicleEF	HHD	3.30	9.3040e-003
tblVehicleEF	HHD	4,690.45	1,186.71
tblVehicleEF	HHD	1,639.83	1,477.44
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	20.39	6.38
tblVehicleEF	HHD	3.81	3.57
tblVehicleEF	HHD	19.54	2.07
tblVehicleEF	HHD	0.01	3.9310e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.7610e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03

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tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.6800e-004
tblVehicleEF	HHD	0.62	0.46
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.9500e-004	1.4610e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.6800e-004
tblVehicleEF	HHD	0.72	0.53
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.9500e-004	1.4610e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	HHD	0.58	0.03
tblVehicleEF	HHD	0.10	0.08
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.80	6.18
tblVehicleEF	HHD	1.16	0.58
tblVehicleEF	HHD	3.13	8.8350e-003
tblVehicleEF	HHD	4,968.94	1,182.90
tblVehicleEF	HHD	1,639.83	1,477.44
tblVehicleEF	HHD	10.54	0.09

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tblVehicleEF	HHD	21.04	6.19
tblVehicleEF	HHD	3.60	3.38
tblVehicleEF	HHD	19.53	2.07
tblVehicleEF	HHD	0.01	3.4390e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.2910e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.7300e-004
tblVehicleEF	HHD	0.58	0.48
tblVehicleEF	HHD	1.1400e-004	7.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.8400e-004	1.4410e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5700e-004	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.7300e-004
tblVehicleEF	HHD	0.68	0.55
tblVehicleEF	HHD	1.1400e-004	7.0000e-006

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tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.8400e-004	1.4410e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.67	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	3.41	6.51
tblVehicleEF	HHD	1.15	0.57
tblVehicleEF	HHD	3.33	9.3940e-003
tblVehicleEF	HHD	4,305.87	1,191.98
tblVehicleEF	HHD	1,639.83	1,477.44
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	19.48	6.64
tblVehicleEF	HHD	3.75	3.51
tblVehicleEF	HHD	19.55	2.07
tblVehicleEF	HHD	0.02	4.6110e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.02	4.4110e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	7.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.0500e-004

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tblVehicleEF	HHD	0.66	0.43
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	4.2900e-004	1.5510e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	7.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.0500e-004
tblVehicleEF	HHD	0.78	0.50
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	4.2900e-004	1.5510e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	LDA	5.3420e-003	3.0340e-003
tblVehicleEF	LDA	5.4040e-003	0.05
tblVehicleEF	LDA	0.66	0.72
tblVehicleEF	LDA	1.15	2.10
tblVehicleEF	LDA	274.33	270.89
tblVehicleEF	LDA	57.08	53.31
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.1700e-003	1.7960e-003
tblVehicleEF	LDA	2.2660e-003	1.8390e-003
tblVehicleEF	LDA	2.0000e-003	1.6540e-003
tblVehicleEF	LDA	2.0830e-003	1.6910e-003

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tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.7480e-003	2.6800e-003
tblVehicleEF	LDA	5.9000e-004	5.2800e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	5.6740e-003	3.2480e-003
tblVehicleEF	LDA	4.8010e-003	0.04
tblVehicleEF	LDA	0.72	0.79
tblVehicleEF	LDA	0.98	1.79
tblVehicleEF	LDA	287.10	283.19
tblVehicleEF	LDA	57.08	52.73
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.1700e-003	1.7960e-003
tblVehicleEF	LDA	2.2660e-003	1.8390e-003
tblVehicleEF	LDA	2.0000e-003	1.6540e-003
tblVehicleEF	LDA	2.0830e-003	1.6910e-003
tblVehicleEF	LDA	0.06	0.08

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tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	2.8760e-003	2.8020e-003
tblVehicleEF	LDA	5.8700e-004	5.2200e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9680e-003
tblVehicleEF	LDA	5.5300e-003	0.05
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	1.19	2.17
tblVehicleEF	LDA	269.66	266.39
tblVehicleEF	LDA	57.08	53.43
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.1700e-003	1.7960e-003
tblVehicleEF	LDA	2.2660e-003	1.8390e-003
tblVehicleEF	LDA	2.0000e-003	1.6540e-003
tblVehicleEF	LDA	2.0830e-003	1.6910e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11

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tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7010e-003	2.6350e-003
tblVehicleEF	LDA	5.9100e-004	5.2900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDT1	0.02	7.7890e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.46
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	318.65
tblVehicleEF	LDT1	69.44	63.32
tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11

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tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.19	0.36
tblVehicleEF	LDT1	3.4330e-003	3.1530e-003
tblVehicleEF	LDT1	7.4300e-004	6.2700e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.2630e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.59
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	331.08
tblVehicleEF	LDT1	69.44	62.64
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04

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tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.17	0.32
tblVehicleEF	LDT1	3.5840e-003	3.2760e-003
tblVehicleEF	LDT1	7.3600e-004	6.2000e-004
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.18	0.35
tblVehicleEF	LDT1	0.02	7.6410e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	314.09
tblVehicleEF	LDT1	69.44	63.47
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.83

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tblVehicleEF	LDT1	0.20	0.37
tblVehicleEF	LDT1	3.3780e-003	3.1080e-003
tblVehicleEF	LDT1	7.4500e-004	6.2800e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9910e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	341.38
tblVehicleEF	LDT2	78.07	68.34
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31

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tblVehicleEF	LDT2	3.8260e-003	3.3770e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.3200e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	353.53
tblVehicleEF	LDT2	78.07	67.60
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4980e-003

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tblVehicleEF	LDT2	8.0000e-004	6.6900e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8890e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	336.92
tblVehicleEF	LDT2	78.07	68.50
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.29
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3330e-003
tblVehicleEF	LDT2	8.0400e-004	6.7800e-004

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tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.5830e-003
tblVehicleEF	LHD1	0.01	5.7240e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.21
tblVehicleEF	LHD1	33.34	12.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.65
tblVehicleEF	LHD1	1.01	0.33
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5670e-003

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tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5060e-003
tblVehicleEF	LHD1	3.8500e-004	1.2300e-004
tblVehicleEF	LHD1	3.1460e-003	2.5670e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.5950e-003
tblVehicleEF	LHD1	0.01	5.8420e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.67
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.23
tblVehicleEF	LHD1	33.34	12.33
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.61

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tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.8550e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.2100e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5070e-003
tblVehicleEF	LHD1	3.8300e-004	1.2200e-004
tblVehicleEF	LHD1	4.7100e-003	3.8550e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.2100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.5810e-003

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tblVehicleEF	LHD1	0.01	5.6940e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.65
tblVehicleEF	LHD1	2.81	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.20
tblVehicleEF	LHD1	33.34	12.44
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.64
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5420e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005

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tblVehicleEF	LHD1	5.9300e-003	6.5060e-003
tblVehicleEF	LHD1	3.8600e-004	1.2300e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5420e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9120e-003
tblVehicleEF	LHD2	4.2980e-003	3.9650e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.76
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.56
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.65	0.84
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003

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tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.1380e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1380e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9200e-003
tblVehicleEF	LHD2	4.3570e-003	4.0120e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.73
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.36

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tblVehicleEF	LHD2	27.88	9.50
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.79
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.6960e-003	2.3400e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3640e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0300e-004	9.4000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3400e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3640e-003
tblVehicleEF	LHD2	0.05	0.06

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tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9100e-003
tblVehicleEF	LHD2	4.2820e-003	3.9540e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.38	0.77
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.57
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.82
tblVehicleEF	LHD2	0.56	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.1610e-003	1.6250e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4300e-004
tblVehicleEF	LHD2	0.04	0.05

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tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1610e-003	1.6250e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4300e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.94	19.19
tblVehicleEF	MCY	9.66	8.53
tblVehicleEF	MCY	188.92	223.45
tblVehicleEF	MCY	44.52	59.65
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66
tblVehicleEF	MCY	0.65	0.67

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tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.05	1.82
tblVehicleEF	MCY	2.2780e-003	2.2110e-003
tblVehicleEF	MCY	6.6300e-004	5.9000e-004
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	3.23	3.24
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.23	1.98
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.47
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.09
tblVehicleEF	MCY	44.52	57.74
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	2.54	2.55

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tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.1980e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.29
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.65
tblVehicleEF	MCY	44.52	59.99
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.62
tblVehicleEF	MCY	0.69	2.29

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tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2130e-003
tblVehicleEF	MCY	6.6700e-004	5.9400e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.29
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5750e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.11
tblVehicleEF	MDV	512.22	419.24
tblVehicleEF	MDV	103.14	83.18
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40

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tblVehicleEF	MDV	5.1310e-003	4.1450e-003
tblVehicleEF	MDV	1.0750e-003	8.2300e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9930e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.33
tblVehicleEF	MDV	2.12	2.64
tblVehicleEF	MDV	534.67	432.09
tblVehicleEF	MDV	103.14	82.28
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2720e-003

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tblVehicleEF	MDV	1.0680e-003	8.1400e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4430e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	414.54
tblVehicleEF	MDV	103.14	83.37
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0980e-003
tblVehicleEF	MDV	1.0760e-003	8.2500e-004

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tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.24	1.21
tblVehicleEF	MH	5.78	2.15
tblVehicleEF	MH	1,130.03	1,501.21
tblVehicleEF	MH	60.43	19.42
tblVehicleEF	MH	1.08	1.11
tblVehicleEF	MH	0.80	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	0.95	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.33	0.10
tblVehicleEF	MH	0.01	0.01

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tblVehicleEF	MH	7.0500e-004	1.9200e-004
tblVehicleEF	MH	0.95	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.30	1.24
tblVehicleEF	MH	5.44	2.03
tblVehicleEF	MH	1,130.03	1,501.27
tblVehicleEF	MH	60.43	19.21
tblVehicleEF	MH	0.99	1.03
tblVehicleEF	MH	0.76	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	1.41	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.31	0.09

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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9900e-004	1.9000e-004
tblVehicleEF	MH	1.41	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.34	0.10
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.22	1.20
tblVehicleEF	MH	5.83	2.18
tblVehicleEF	MH	1,130.03	1,501.20
tblVehicleEF	MH	60.43	19.45
tblVehicleEF	MH	1.06	1.09
tblVehicleEF	MH	0.80	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	1.08	0.94
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	1.54

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tblVehicleEF	MH	0.33	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0600e-004	1.9300e-004
tblVehicleEF	MH	1.08	0.94
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.54
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MHD	0.02	4.3860e-003
tblVehicleEF	MHD	4.8560e-003	4.5970e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.42
tblVehicleEF	MHD	132.92	67.37
tblVehicleEF	MHD	1,150.98	1,069.65
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.49	0.48
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0770e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.3800e-004	1.0300e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2600e-004

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tblVehicleEF	MHD	1.1350e-003	6.6200e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.2600e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.1900e-004
tblVehicleEF	MHD	1.1350e-003	6.6200e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.2600e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1570e-003
tblVehicleEF	MHD	4.9280e-003	4.6490e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.35
tblVehicleEF	MHD	140.78	68.19
tblVehicleEF	MHD	1,150.98	1,069.66
tblVehicleEF	MHD	63.58	11.93
tblVehicleEF	MHD	0.51	0.48

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tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.29
tblVehicleEF	MHD	2.0900e-004	9.1000e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.0000e-004	8.7100e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2600e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1800e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7150e-003
tblVehicleEF	MHD	4.8360e-003	4.5810e-003

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tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.44
tblVehicleEF	MHD	122.05	66.24
tblVehicleEF	MHD	1,150.98	1,069.64
tblVehicleEF	MHD	63.58	12.07
tblVehicleEF	MHD	0.47	0.48
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3060e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.8900e-004	1.2500e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2600e-004
tblVehicleEF	MHD	1.1690e-003	6.8600e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.1600e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.1900e-004
tblVehicleEF	MHD	1.1690e-003	6.8600e-004

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tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.1600e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4810e-003
tblVehicleEF	OBUS	7.7220e-003	7.0170e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.79
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.60
tblVehicleEF	OBUS	1,260.49	1,392.48
tblVehicleEF	OBUS	67.92	19.23
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.76
tblVehicleEF	OBUS	1.1400e-004	7.9300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5900e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4340e-003	1.8440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06

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tblVehicleEF	OBUS	7.6800e-004	9.4300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	9.0000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4300e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5410e-003
tblVehicleEF	OBUS	7.8490e-003	7.1420e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.47
tblVehicleEF	OBUS	1,260.49	1,392.51
tblVehicleEF	OBUS	67.92	19.00
tblVehicleEF	OBUS	0.53	0.45
tblVehicleEF	OBUS	1.46	1.47
tblVehicleEF	OBUS	2.57	0.75
tblVehicleEF	OBUS	9.6000e-005	6.7400e-004

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tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	2.1010e-003	2.6890e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3250e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6890e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3250e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4180e-003
tblVehicleEF	OBUS	7.6880e-003	6.9830e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.62
tblVehicleEF	OBUS	0.53	0.79

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tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.79
tblVehicleEF	OBUS	1,260.49	1,392.48
tblVehicleEF	OBUS	67.92	19.27
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.54
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5800e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1600e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2500e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	9.0200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2500e-004

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tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0580e-003
tblVehicleEF	SBUS	0.06	6.2120e-003
tblVehicleEF	SBUS	8.15	2.77
tblVehicleEF	SBUS	0.72	0.59
tblVehicleEF	SBUS	7.31	0.85
tblVehicleEF	SBUS	1,121.00	351.72
tblVehicleEF	SBUS	1,079.30	1,109.67
tblVehicleEF	SBUS	55.06	5.24
tblVehicleEF	SBUS	9.20	3.22
tblVehicleEF	SBUS	4.17	4.87
tblVehicleEF	SBUS	12.12	0.88
tblVehicleEF	SBUS	9.3410e-003	4.1230e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	8.9370e-003	3.9440e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.0700e-004
tblVehicleEF	SBUS	0.03	7.8550e-003
tblVehicleEF	SBUS	0.97	0.32
tblVehicleEF	SBUS	1.7650e-003	4.8200e-004

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tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3550e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.2000e-005
tblVehicleEF	SBUS	3.3650e-003	9.0700e-004
tblVehicleEF	SBUS	0.03	7.8550e-003
tblVehicleEF	SBUS	1.40	0.46
tblVehicleEF	SBUS	1.7650e-003	4.8200e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1350e-003
tblVehicleEF	SBUS	0.06	5.5320e-003
tblVehicleEF	SBUS	8.04	2.74
tblVehicleEF	SBUS	0.73	0.60
tblVehicleEF	SBUS	5.94	0.69
tblVehicleEF	SBUS	1,171.46	359.77
tblVehicleEF	SBUS	1,079.30	1,109.69
tblVehicleEF	SBUS	55.06	4.98
tblVehicleEF	SBUS	9.50	3.29
tblVehicleEF	SBUS	3.93	4.59
tblVehicleEF	SBUS	12.09	0.87
tblVehicleEF	SBUS	7.8750e-003	3.4830e-003
tblVehicleEF	SBUS	0.01	0.01

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tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	7.5340e-003	3.3320e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	4.9570e-003	1.3200e-003
tblVehicleEF	SBUS	0.03	7.9970e-003
tblVehicleEF	SBUS	0.97	0.32
tblVehicleEF	SBUS	2.5080e-003	6.7400e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	4.9000e-005
tblVehicleEF	SBUS	4.9570e-003	1.3200e-003
tblVehicleEF	SBUS	0.03	7.9970e-003
tblVehicleEF	SBUS	1.40	0.45
tblVehicleEF	SBUS	2.5080e-003	6.7400e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.03
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0360e-003
tblVehicleEF	SBUS	0.07	6.3620e-003
tblVehicleEF	SBUS	8.31	2.83

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tblVehicleEF	SBUS	0.72	0.58
tblVehicleEF	SBUS	7.56	0.88
tblVehicleEF	SBUS	1,051.30	340.60
tblVehicleEF	SBUS	1,079.30	1,109.67
tblVehicleEF	SBUS	55.06	5.29
tblVehicleEF	SBUS	8.80	3.13
tblVehicleEF	SBUS	4.10	4.79
tblVehicleEF	SBUS	12.13	0.88
tblVehicleEF	SBUS	0.01	5.0060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	0.01	4.7890e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	3.4320e-003	9.2000e-004
tblVehicleEF	SBUS	0.03	8.2560e-003
tblVehicleEF	SBUS	0.98	0.32
tblVehicleEF	SBUS	1.6940e-003	4.6300e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2500e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.2000e-005
tblVehicleEF	SBUS	3.4320e-003	9.2000e-004

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tblVehicleEF	SBUS	0.03	8.2560e-003
tblVehicleEF	SBUS	1.41	0.46
tblVehicleEF	SBUS	1.6940e-003	4.6300e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.07
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.53
tblVehicleEF	UBUS	9.98	0.48
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	0.85	0.08
tblVehicleEF	UBUS	0.02	0.05

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tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.5580e-003
tblVehicleEF	UBUS	1.1250e-003	8.4000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	3.56	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.07
tblVehicleEF	UBUS	7.69	0.62
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.38
tblVehicleEF	UBUS	9.41	0.48
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	5.9080e-003	8.9300e-004
tblVehicleEF	UBUS	0.07	8.7350e-003

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	3.2830e-003	6.8000e-004
tblVehicleEF	UBUS	0.86	0.08
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.5580e-003
tblVehicleEF	UBUS	1.1050e-003	8.3000e-005
tblVehicleEF	UBUS	5.9080e-003	8.9300e-004
tblVehicleEF	UBUS	0.07	8.7350e-003
tblVehicleEF	UBUS	3.2830e-003	6.8000e-004
tblVehicleEF	UBUS	3.57	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.07
tblVehicleEF	UBUS	9.08	0.72
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.56
tblVehicleEF	UBUS	9.79	0.48
tblVehicleEF	UBUS	15.38	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.7000e-003	5.9500e-004
tblVehicleEF	UBUS	0.08	9.0200e-003
tblVehicleEF	UBUS	2.5010e-003	4.6500e-004
tblVehicleEF	UBUS	0.85	0.08
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.5580e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	5.9500e-004
tblVehicleEF	UBUS	0.08	9.0200e-003
tblVehicleEF	UBUS	2.5010e-003	4.6500e-004
tblVehicleEF	UBUS	3.55	5.92
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TL	8.40	4.98
tblVehicleTrips	CC_TL	8.40	4.98
tblVehicleTrips	CNW_TL	6.90	4.09
tblVehicleTrips	CNW_TL	6.90	4.09
tblVehicleTrips	CW_TL	16.60	9.85
tblVehicleTrips	CW_TL	16.60	9.85
tblVehicleTrips	ST_TR	1.50	1.74
tblVehicleTrips	ST_TR	1.49	3.93
tblVehicleTrips	SU_TR	1.50	1.74
tblVehicleTrips	SU_TR	0.62	3.93
tblVehicleTrips	WD_TR	1.50	1.74
tblVehicleTrips	WD_TR	3.82	3.93

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.3812	33.2501	22.4100	0.0406	0.1677	1.6601	1.8278	0.0445	1.5431	1.5876	0.0000	3,924.1219	3,924.1219	1.0635	0.0000	3,950.7096
2021	64.5035	68.6412	53.2187	0.1150	10.5232	2.9733	13.4964	4.0941	2.7551	6.8492	0.0000	11,252.0449	11,252.0449	2.6184	0.0000	11,317.5047
Maximum	64.5035	68.6412	53.2187	0.1150	10.5232	2.9733	13.4964	4.0941	2.7551	6.8492	0.0000	11,252.0449	11,252.0449	2.6184	0.0000	11,317.5047

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	lb/day										lb/day					
2020	3.3812	33.2501	22.4100	0.0406	0.1677	1.6601	1.8278	0.0445	1.5431	1.5876	0.0000	3,924.1219	3,924.1219	1.0635	0.0000	3,950.7096
2021	64.5035	68.6412	53.2187	0.1150	5.7528	2.9733	8.7261	2.1160	2.7551	4.8711	0.0000	11,252.0449	11,252.0449	2.6184	0.0000	11,317.5047
Maximum	64.5035	68.6412	53.2187	0.1150	5.7528	2.9733	8.7261	2.1160	2.7551	4.8711	0.0000	11,252.0449	11,252.0449	2.6184	0.0000	11,317.5047

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	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	44.62	0.00	31.13	47.80	0.00	23.45	0.00	0.00	0.00	0.00	0.00	0.00

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Energy	0.1564	1.4216	1.1941	8.5300e-003		0.1080	0.1080		0.1080	0.1080		1,705.8630	1,705.8630	0.0327	0.0313	1,716.0001
Mobile	1.9097	3.5575	17.9182	0.0484	4.3847	0.0473	4.4320	1.1710	0.0443	1.2154		5,005.0650	5,005.0650	0.3580		5,014.0142
Total	8.7229	4.9797	19.1824	0.0570	4.3847	0.1556	4.5403	1.1710	0.1526	1.3236		6,711.0781	6,711.0781	0.3911	0.0313	6,730.1743

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Energy	0.1139	1.0356	0.8699	6.2100e-003		0.0787	0.0787		0.0787	0.0787		1,242.7353	1,242.7353	0.0238	0.0228	1,250.1203
Mobile	1.9097	3.5575	17.9182	0.0484	4.3847	0.0473	4.4320	1.1710	0.0443	1.2154		5,005.0650	5,005.0650	0.3580		5,014.0142
Total	8.6804	4.5938	18.8582	0.0546	4.3847	0.1263	4.5110	1.1710	0.1233	1.2943		6,247.9504	6,247.9504	0.3822	0.0228	6,264.2945

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	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	0.49	7.75	1.69	4.07	0.00	18.85	0.65	0.00	19.22	2.22	0.00	6.90	6.90	2.27	27.15	6.92

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/5/2020	12/31/2020	5	64	
2	Grading	Grading	1/1/2021	3/3/2021	5	44	
3	Building Construction	Building Construction	3/3/2021	12/28/2021	5	215	
4	Paving	Paving	9/1/2021	10/26/2021	5	40	
5	Architectural Coating	Architectural Coating	10/27/2021	12/27/2021	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 110

Acres of Paving: 7.59

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 438,600; Non-Residential Outdoor: 146,200; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	1	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	3	8.00	97	0.37
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	123.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1493	46.1422	29.8669	0.0600		1.9927	1.9927		1.8333	1.8333		5,807.7515	5,807.7515	1.8783		5,854.7102
Total	4.1493	46.1422	29.8669	0.0600	8.6733	1.9927	10.6660	3.5965	1.8333	5.4298		5,807.7515	5,807.7515	1.8783		5,854.7102

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	4.1493	46.1422	29.8669	0.0600		1.9927	1.9927		1.8333	1.8333	0.0000	5,807.7515	5,807.7515	1.8783		5,854.7102
Total	4.1493	46.1422	29.8669	0.0600	3.9030	1.9927	5.8957	1.6184	1.8333	3.4517	0.0000	5,807.7515	5,807.7515	1.8783		5,854.7102

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1459	4.6603	1.2183	0.0123	0.3073	9.5300e-003	0.3168	0.0885	9.1100e-003	0.0976		1,319.4270	1,319.4270	0.0777		1,321.3703
Worker	0.5273	0.3624	4.9541	0.0141	1.3749	0.0111	1.3860	0.3646	0.0102	0.3749		1,400.6869	1,400.6869	0.0413		1,401.7187
Total	0.6732	5.0227	6.1724	0.0264	1.6822	0.0206	1.7028	0.4531	0.0193	0.4724		2,720.1139	2,720.1139	0.1190		2,723.0890

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1459	4.6603	1.2183	0.0123	0.3073	9.5300e-003	0.3168	0.0885	9.1100e-003	0.0976		1,319.4270	1,319.4270	0.0777		1,321.3703
Worker	0.5273	0.3624	4.9541	0.0141	1.3749	0.0111	1.3860	0.3646	0.0102	0.3749		1,400.6869	1,400.6869	0.0413		1,401.7187
Total	0.6732	5.0227	6.1724	0.0264	1.6822	0.0206	1.7028	0.4531	0.0193	0.4724		2,720.1139	2,720.1139	0.1190		2,723.0890

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4972					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7527	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4972					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7527	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	61.6034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	61.8223	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1072	0.0737	1.0069	2.8600e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		284.6925	284.6925	8.3900e-003		284.9022
Total	0.1072	0.0737	1.0069	2.8600e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		284.6925	284.6925	8.3900e-003		284.9022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	61.6034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	61.8223	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1072	0.0737	1.0069	2.8600e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		284.6925	284.6925	8.3900e-003		284.9022
Total	0.1072	0.0737	1.0069	2.8600e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		284.6925	284.6925	8.3900e-003		284.9022

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9097	3.5575	17.9182	0.0484	4.3847	0.0473	4.4320	1.1710	0.0443	1.2154		5,005.0650	5,005.0650	0.3580		5,014.0142
Unmitigated	1.9097	3.5575	17.9182	0.0484	4.3847	0.0473	4.4320	1.1710	0.0443	1.2154		5,005.0650	5,005.0650	0.3580		5,014.0142

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	287.45	287.45	287.45	755,260	755,260
Manufacturing	499.90	499.90	499.90	1,313,460	1,313,460
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	787.34	787.34	787.34	2,068,719	2,068,719

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	9.85	4.98	4.09	59.00	28.00	13.00	92	5	3
Manufacturing	9.85	4.98	4.09	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Manufacturing	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1139	1.0356	0.8699	6.2100e-003		0.0787	0.0787		0.0787	0.0787		1,242.7353	1,242.7353	0.0238	0.0228	1,250.1203
NaturalGas Unmitigated	0.1564	1.4216	1.1941	8.5300e-003		0.1080	0.1080		0.1080	0.1080		1,705.8630	1,705.8630	0.0327	0.0313	1,716.0001

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	8192.11	0.0884	0.8032	0.6746	4.8200e-003		0.0610	0.0610		0.0610	0.0610		963.7776	963.7776	0.0185	0.0177	969.5049
Manufacturing	6307.73	0.0680	0.6184	0.5195	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.0854	742.0854	0.0142	0.0136	746.4953
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1564	1.4216	1.1941	8.5300e-003		0.1080	0.1080		0.1080	0.1080		1,705.8630	1,705.8630	0.0327	0.0313	1,716.0001

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	5.96802	0.0644	0.5851	0.4915	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.1200	702.1200	0.0135	0.0129	706.2923
Manufacturing	4.59523	0.0496	0.4505	0.3784	2.7000e-003		0.0342	0.0342		0.0342	0.0342		540.6154	540.6154	0.0104	9.9100e-003	543.8280
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1139	1.0356	0.8699	6.2100e-003		0.0787	0.0787		0.0787	0.0787		1,242.7353	1,242.7353	0.0238	0.0228	1,250.1203

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Unmitigated	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.9077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5200e-003	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Total	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.9077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5200e-003	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Total	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Summer

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
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

Panattoni Warehouse + Manufacturing Project
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	165.20	1000sqft	3.79	165,200.00	0
Manufacturing	127.20	1000sqft	2.92	127,200.00	0
Other Asphalt Surfaces	4.09	Acre	4.09	178,160.40	0
Parking Lot	389.00	Space	3.50	155,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	513	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

Project Characteristics - SCE 2018 Sustainability report pg10 <https://www.edison.com/content/dam/eix/documents/sustainability/eix-2018-sustainability-report.pdf>

Land Use -

Construction Phase - Anticipated Construction Schedule

Grading - Per Conceptual Grading Plan.

Vehicle Trips - Per the ITE Trip Gen Manual 10th Edition, 2017.

Calculated trip lengths are based off the anticipated yearly VMT from the Pehr & Fehr VMT Memo. The project would have approximately 5,681 daily VMT's.

Vehicle Emission Factors - EMFAC 2017: Operational Year 2022

Vehicle Emission Factors - EMFAC 2017: Operational Year 2022

Vehicle Emission Factors - EMFAC 2017: Operational Year 2022

Energy Use -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Area Mitigation - SCAQMD Rule 1113

Energy Mitigation - 2019 Title 24 requirements.

Water Mitigation - 2019 Title 24 and CalGreen Code Requirements.

Waste Mitigation - AB 341 requirements

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	20,026.00	0.00
tblAreaCoating	Area_Parking	20026	0
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	300.00	215.00
tblConstructionPhase	NumDays	20.00	64.00
tblConstructionPhase	NumDays	30.00	44.00
tblConstructionPhase	NumDays	20.00	40.00

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

tblFleetMix	HHD	0.03	0.00
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MCY	5.1420e-003	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	SBUS	6.8700e-004	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblFleetMix	UBUS	2.2010e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblTripsAndVMT	VendorTripNumber	103.00	48.00
tblTripsAndVMT	WorkerTripNumber	20.00	15.00
tblTripsAndVMT	WorkerTripNumber	263.00	123.00
tblTripsAndVMT	WorkerTripNumber	53.00	25.00
tblVehicleEF	HHD	0.62	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	2.47	6.32
tblVehicleEF	HHD	1.15	0.58
tblVehicleEF	HHD	3.30	9.3040e-003
tblVehicleEF	HHD	4,690.45	1,186.71
tblVehicleEF	HHD	1,639.83	1,477.44
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	20.39	6.38
tblVehicleEF	HHD	3.81	3.57
tblVehicleEF	HHD	19.54	2.07
tblVehicleEF	HHD	0.01	3.9310e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.7610e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03

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tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.6800e-004
tblVehicleEF	HHD	0.62	0.46
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.9500e-004	1.4610e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0500e-004	7.0000e-006
tblVehicleEF	HHD	4.6110e-003	2.6800e-004
tblVehicleEF	HHD	0.72	0.53
tblVehicleEF	HHD	7.9000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.9500e-004	1.4610e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	HHD	0.58	0.03
tblVehicleEF	HHD	0.10	0.08
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.80	6.18
tblVehicleEF	HHD	1.16	0.58
tblVehicleEF	HHD	3.13	8.8350e-003
tblVehicleEF	HHD	4,968.94	1,182.90
tblVehicleEF	HHD	1,639.83	1,477.44
tblVehicleEF	HHD	10.54	0.09

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tblVehicleEF	HHD	21.04	6.19
tblVehicleEF	HHD	3.60	3.38
tblVehicleEF	HHD	19.53	2.07
tblVehicleEF	HHD	0.01	3.4390e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.2910e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.7300e-004
tblVehicleEF	HHD	0.58	0.48
tblVehicleEF	HHD	1.1400e-004	7.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	3.8400e-004	1.4410e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.05	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.5700e-004	1.0000e-006
tblVehicleEF	HHD	1.6000e-004	1.1000e-005
tblVehicleEF	HHD	4.7280e-003	2.7300e-004
tblVehicleEF	HHD	0.68	0.55
tblVehicleEF	HHD	1.1400e-004	7.0000e-006

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tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	3.8400e-004	1.4410e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.67	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	3.41	6.51
tblVehicleEF	HHD	1.15	0.57
tblVehicleEF	HHD	3.33	9.3940e-003
tblVehicleEF	HHD	4,305.87	1,191.98
tblVehicleEF	HHD	1,639.83	1,477.44
tblVehicleEF	HHD	10.54	0.09
tblVehicleEF	HHD	19.48	6.64
tblVehicleEF	HHD	3.75	3.51
tblVehicleEF	HHD	19.55	2.07
tblVehicleEF	HHD	0.02	4.6110e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.7000e-005	2.0000e-006
tblVehicleEF	HHD	0.02	4.4110e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8380e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	8.0000e-005	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	7.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.0500e-004

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tblVehicleEF	HHD	0.66	0.43
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.15	0.08
tblVehicleEF	HHD	4.2900e-004	1.5510e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6000e-004	1.0000e-006
tblVehicleEF	HHD	1.0300e-004	7.0000e-006
tblVehicleEF	HHD	4.9260e-003	3.0500e-004
tblVehicleEF	HHD	0.78	0.50
tblVehicleEF	HHD	7.7000e-005	5.0000e-006
tblVehicleEF	HHD	0.25	0.17
tblVehicleEF	HHD	4.2900e-004	1.5510e-003
tblVehicleEF	HHD	0.09	3.0000e-006
tblVehicleEF	LDA	5.3420e-003	3.0340e-003
tblVehicleEF	LDA	5.4040e-003	0.05
tblVehicleEF	LDA	0.66	0.72
tblVehicleEF	LDA	1.15	2.10
tblVehicleEF	LDA	274.33	270.89
tblVehicleEF	LDA	57.08	53.31
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.1700e-003	1.7960e-003
tblVehicleEF	LDA	2.2660e-003	1.8390e-003
tblVehicleEF	LDA	2.0000e-003	1.6540e-003
tblVehicleEF	LDA	2.0830e-003	1.6910e-003

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tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	2.7480e-003	2.6800e-003
tblVehicleEF	LDA	5.9000e-004	5.2800e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	5.6740e-003	3.2480e-003
tblVehicleEF	LDA	4.8010e-003	0.04
tblVehicleEF	LDA	0.72	0.79
tblVehicleEF	LDA	0.98	1.79
tblVehicleEF	LDA	287.10	283.19
tblVehicleEF	LDA	57.08	52.73
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.1700e-003	1.7960e-003
tblVehicleEF	LDA	2.2660e-003	1.8390e-003
tblVehicleEF	LDA	2.0000e-003	1.6540e-003
tblVehicleEF	LDA	2.0830e-003	1.6910e-003
tblVehicleEF	LDA	0.06	0.08

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tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	2.8760e-003	2.8020e-003
tblVehicleEF	LDA	5.8700e-004	5.2200e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	5.2330e-003	2.9680e-003
tblVehicleEF	LDA	5.5300e-003	0.05
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	1.19	2.17
tblVehicleEF	LDA	269.66	266.39
tblVehicleEF	LDA	57.08	53.43
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.1700e-003	1.7960e-003
tblVehicleEF	LDA	2.2660e-003	1.8390e-003
tblVehicleEF	LDA	2.0000e-003	1.6540e-003
tblVehicleEF	LDA	2.0830e-003	1.6910e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11

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tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.7010e-003	2.6350e-003
tblVehicleEF	LDA	5.9100e-004	5.2900e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDT1	0.02	7.7890e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.68	1.46
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	341.15	318.65
tblVehicleEF	LDT1	69.44	63.32
tblVehicleEF	LDT1	0.16	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11

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tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.19	0.36
tblVehicleEF	LDT1	3.4330e-003	3.1530e-003
tblVehicleEF	LDT1	7.4300e-004	6.2700e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.26	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.02	8.2630e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.82	1.59
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	356.02	331.08
tblVehicleEF	LDT1	69.44	62.64
tblVehicleEF	LDT1	0.14	0.11
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.04	0.04

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tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.17	0.32
tblVehicleEF	LDT1	3.5840e-003	3.2760e-003
tblVehicleEF	LDT1	7.3600e-004	6.2000e-004
tblVehicleEF	LDT1	0.20	0.20
tblVehicleEF	LDT1	0.28	0.21
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.18	0.35
tblVehicleEF	LDT1	0.02	7.6410e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.63	1.41
tblVehicleEF	LDT1	2.87	2.35
tblVehicleEF	LDT1	335.69	314.09
tblVehicleEF	LDT1	69.44	63.47
tblVehicleEF	LDT1	0.15	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.5390e-003	2.7170e-003
tblVehicleEF	LDT1	3.4320e-003	2.6330e-003
tblVehicleEF	LDT1	3.2590e-003	2.5000e-003
tblVehicleEF	LDT1	3.1560e-003	2.4210e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.20	0.83

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tblVehicleEF	LDT1	0.20	0.37
tblVehicleEF	LDT1	3.3780e-003	3.1080e-003
tblVehicleEF	LDT1	7.4500e-004	6.2800e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.30	0.23
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	7.2180e-003	4.9910e-003
tblVehicleEF	LDT2	6.3970e-003	0.07
tblVehicleEF	LDT2	0.84	1.02
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	381.91	341.38
tblVehicleEF	LDT2	78.07	68.34
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31

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tblVehicleEF	LDT2	3.8260e-003	3.3770e-003
tblVehicleEF	LDT2	8.0300e-004	6.7600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	7.6530e-003	5.3200e-003
tblVehicleEF	LDT2	5.6920e-003	0.06
tblVehicleEF	LDT2	0.92	1.12
tblVehicleEF	LDT2	1.15	2.26
tblVehicleEF	LDT2	399.04	353.53
tblVehicleEF	LDT2	78.07	67.60
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.9980e-003	3.4980e-003

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tblVehicleEF	LDT2	8.0000e-004	6.6900e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	7.0750e-003	4.8890e-003
tblVehicleEF	LDT2	6.5470e-003	0.07
tblVehicleEF	LDT2	0.81	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	375.62	336.92
tblVehicleEF	LDT2	78.07	68.50
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.11	0.29
tblVehicleEF	LDT2	2.1510e-003	1.9050e-003
tblVehicleEF	LDT2	2.3580e-003	1.8880e-003
tblVehicleEF	LDT2	1.9790e-003	1.7530e-003
tblVehicleEF	LDT2	2.1690e-003	1.7360e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.7630e-003	3.3330e-003
tblVehicleEF	LDT2	8.0400e-004	6.7800e-004

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tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LHD1	5.5970e-003	5.5830e-003
tblVehicleEF	LHD1	0.01	5.7240e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.84	0.65
tblVehicleEF	LHD1	2.79	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.21
tblVehicleEF	LHD1	33.34	12.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.95	0.65
tblVehicleEF	LHD1	1.01	0.33
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.1460e-003	2.5670e-003

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tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9300e-003	6.5060e-003
tblVehicleEF	LHD1	3.8500e-004	1.2300e-004
tblVehicleEF	LHD1	3.1460e-003	2.5670e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.9140e-003	1.5640e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.31	0.56
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD1	5.5970e-003	5.5950e-003
tblVehicleEF	LHD1	0.01	5.8420e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.85	0.67
tblVehicleEF	LHD1	2.66	1.09
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.23
tblVehicleEF	LHD1	33.34	12.33
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.89	0.61

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tblVehicleEF	LHD1	0.96	0.32
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	4.7100e-003	3.8550e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.6900e-003	2.2100e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9310e-003	6.5070e-003
tblVehicleEF	LHD1	3.8300e-004	1.2200e-004
tblVehicleEF	LHD1	4.7100e-003	3.8550e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.6900e-003	2.2100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.28	0.08
tblVehicleEF	LHD1	5.5970e-003	5.5810e-003

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tblVehicleEF	LHD1	0.01	5.6940e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.65
tblVehicleEF	LHD1	2.81	1.14
tblVehicleEF	LHD1	8.92	8.89
tblVehicleEF	LHD1	603.81	666.20
tblVehicleEF	LHD1	33.34	12.44
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.94	0.64
tblVehicleEF	LHD1	1.01	0.34
tblVehicleEF	LHD1	8.2600e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	9.1270e-003	6.4420e-003
tblVehicleEF	LHD1	1.0140e-003	2.8500e-004
tblVehicleEF	LHD1	7.9000e-004	7.2400e-004
tblVehicleEF	LHD1	2.5160e-003	2.4200e-003
tblVehicleEF	LHD1	8.7050e-003	6.1330e-003
tblVehicleEF	LHD1	9.3300e-004	2.6200e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8850e-003	1.5420e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005

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tblVehicleEF	LHD1	5.9300e-003	6.5060e-003
tblVehicleEF	LHD1	3.8600e-004	1.2300e-004
tblVehicleEF	LHD1	3.3080e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8850e-003	1.5420e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.29	0.09
tblVehicleEF	LHD2	4.0020e-003	3.9120e-003
tblVehicleEF	LHD2	4.2980e-003	3.9650e-003
tblVehicleEF	LHD2	8.5190e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.37	0.76
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.56
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.65	0.84
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003

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tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.1380e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1380e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4500e-004	9.7100e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9200e-003
tblVehicleEF	LHD2	4.3570e-003	4.0120e-003
tblVehicleEF	LHD2	8.2260e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.35	0.44
tblVehicleEF	LHD2	1.31	0.73
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.36

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tblVehicleEF	LHD2	27.88	9.50
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.61	0.79
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.6960e-003	2.3400e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3640e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0300e-004	9.4000e-005
tblVehicleEF	LHD2	1.6960e-003	2.3400e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0400e-003	1.3640e-003
tblVehicleEF	LHD2	0.05	0.06

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tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	4.0020e-003	3.9100e-003
tblVehicleEF	LHD2	4.2820e-003	3.9540e-003
tblVehicleEF	LHD2	8.5780e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.34	0.44
tblVehicleEF	LHD2	1.38	0.77
tblVehicleEF	LHD2	13.57	13.45
tblVehicleEF	LHD2	617.83	667.35
tblVehicleEF	LHD2	27.88	9.57
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.64	0.82
tblVehicleEF	LHD2	0.56	0.23
tblVehicleEF	LHD2	1.1620e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.8510e-003	0.01
tblVehicleEF	LHD2	4.6900e-004	1.6200e-004
tblVehicleEF	LHD2	1.1110e-003	1.1980e-003
tblVehicleEF	LHD2	2.6540e-003	2.6330e-003
tblVehicleEF	LHD2	8.4540e-003	9.5770e-003
tblVehicleEF	LHD2	4.3100e-004	1.4900e-004
tblVehicleEF	LHD2	1.1610e-003	1.6250e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4300e-004
tblVehicleEF	LHD2	0.04	0.05

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tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	1.3300e-004	1.2900e-004
tblVehicleEF	LHD2	6.0210e-003	6.4600e-003
tblVehicleEF	LHD2	3.0400e-004	9.5000e-005
tblVehicleEF	LHD2	1.1610e-003	1.6250e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2300e-004	9.4300e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.13	0.06
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.94	19.19
tblVehicleEF	MCY	9.66	8.53
tblVehicleEF	MCY	188.92	223.45
tblVehicleEF	MCY	44.52	59.65
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66
tblVehicleEF	MCY	0.65	0.67

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tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.05	1.82
tblVehicleEF	MCY	2.2780e-003	2.2110e-003
tblVehicleEF	MCY	6.6300e-004	5.9000e-004
tblVehicleEF	MCY	1.06	1.09
tblVehicleEF	MCY	0.63	0.66
tblVehicleEF	MCY	0.65	0.67
tblVehicleEF	MCY	3.23	3.24
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.23	1.98
tblVehicleEF	MCY	0.53	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.24	18.47
tblVehicleEF	MCY	8.82	7.76
tblVehicleEF	MCY	188.92	222.09
tblVehicleEF	MCY	44.52	57.74
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	2.54	2.55

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tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2650e-003	2.1980e-003
tblVehicleEF	MCY	6.4300e-004	5.7100e-004
tblVehicleEF	MCY	1.73	1.77
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	1.07	1.10
tblVehicleEF	MCY	3.16	3.17
tblVehicleEF	MCY	0.56	1.87
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	19.04	19.29
tblVehicleEF	MCY	9.80	8.66
tblVehicleEF	MCY	188.92	223.65
tblVehicleEF	MCY	44.52	59.99
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.4360e-003	2.4320e-003
tblVehicleEF	MCY	3.8630e-003	3.2970e-003
tblVehicleEF	MCY	2.2770e-003	2.2730e-003
tblVehicleEF	MCY	3.6360e-003	3.1040e-003
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	2.61	2.62
tblVehicleEF	MCY	0.69	2.29

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tblVehicleEF	MCY	2.09	1.86
tblVehicleEF	MCY	2.2800e-003	2.2130e-003
tblVehicleEF	MCY	6.6700e-004	5.9400e-004
tblVehicleEF	MCY	1.16	1.18
tblVehicleEF	MCY	0.82	0.85
tblVehicleEF	MCY	0.62	0.64
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.69	2.29
tblVehicleEF	MCY	2.28	2.02
tblVehicleEF	MDV	0.01	6.5750e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.33	1.22
tblVehicleEF	MDV	2.48	3.11
tblVehicleEF	MDV	512.22	419.24
tblVehicleEF	MDV	103.14	83.18
tblVehicleEF	MDV	0.15	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40

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tblVehicleEF	MDV	5.1310e-003	4.1450e-003
tblVehicleEF	MDV	1.0750e-003	8.2300e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9930e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.45	1.33
tblVehicleEF	MDV	2.12	2.64
tblVehicleEF	MDV	534.67	432.09
tblVehicleEF	MDV	103.14	82.28
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.20	0.32
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.3570e-003	4.2720e-003

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tblVehicleEF	MDV	1.0680e-003	8.1400e-004
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.08	0.40
tblVehicleEF	MDV	0.18	0.39
tblVehicleEF	MDV	0.01	6.4430e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.29	1.18
tblVehicleEF	MDV	2.56	3.21
tblVehicleEF	MDV	503.99	414.54
tblVehicleEF	MDV	103.14	83.37
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.22	0.35
tblVehicleEF	MDV	2.3560e-003	2.0820e-003
tblVehicleEF	MDV	2.5140e-003	2.0580e-003
tblVehicleEF	MDV	2.1720e-003	1.9190e-003
tblVehicleEF	MDV	2.3120e-003	1.8920e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.19	0.41
tblVehicleEF	MDV	5.0480e-003	4.0980e-003
tblVehicleEF	MDV	1.0760e-003	8.2500e-004

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tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.16	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.50
tblVehicleEF	MDV	0.21	0.45
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.24	1.21
tblVehicleEF	MH	5.78	2.15
tblVehicleEF	MH	1,130.03	1,501.21
tblVehicleEF	MH	60.43	19.42
tblVehicleEF	MH	1.08	1.11
tblVehicleEF	MH	0.80	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	0.95	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.33	0.10
tblVehicleEF	MH	0.01	0.01

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tblVehicleEF	MH	7.0500e-004	1.9200e-004
tblVehicleEF	MH	0.95	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.41	0.35
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.30	1.24
tblVehicleEF	MH	5.44	2.03
tblVehicleEF	MH	1,130.03	1,501.27
tblVehicleEF	MH	60.43	19.21
tblVehicleEF	MH	0.99	1.03
tblVehicleEF	MH	0.76	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	1.41	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.31	0.09

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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9900e-004	1.9000e-004
tblVehicleEF	MH	1.41	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.58	0.50
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.34	0.10
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.22	1.20
tblVehicleEF	MH	5.83	2.18
tblVehicleEF	MH	1,130.03	1,501.20
tblVehicleEF	MH	60.43	19.45
tblVehicleEF	MH	1.06	1.09
tblVehicleEF	MH	0.80	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.1280e-003	2.8400e-004
tblVehicleEF	MH	3.2020e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0370e-003	2.6100e-004
tblVehicleEF	MH	1.08	0.94
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	1.54

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tblVehicleEF	MH	0.33	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.0600e-004	1.9300e-004
tblVehicleEF	MH	1.08	0.94
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.42	0.36
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.54
tblVehicleEF	MH	0.36	0.11
tblVehicleEF	MHD	0.02	4.3860e-003
tblVehicleEF	MHD	4.8560e-003	4.5970e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.37	0.39
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.14	1.42
tblVehicleEF	MHD	132.92	67.37
tblVehicleEF	MHD	1,150.98	1,069.65
tblVehicleEF	MHD	63.58	12.05
tblVehicleEF	MHD	0.49	0.48
tblVehicleEF	MHD	1.14	1.63
tblVehicleEF	MHD	9.96	1.29
tblVehicleEF	MHD	2.4800e-004	1.0770e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.3800e-004	1.0300e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2600e-004

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tblVehicleEF	MHD	1.1350e-003	6.6200e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.4200e-004	4.2600e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	1.2810e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4300e-004	1.1900e-004
tblVehicleEF	MHD	1.1350e-003	6.6200e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.4200e-004	4.2600e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	MHD	0.02	4.1570e-003
tblVehicleEF	MHD	4.9280e-003	4.6490e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.27	0.32
tblVehicleEF	MHD	0.38	0.48
tblVehicleEF	MHD	5.83	1.35
tblVehicleEF	MHD	140.78	68.19
tblVehicleEF	MHD	1,150.98	1,069.66
tblVehicleEF	MHD	63.58	11.93
tblVehicleEF	MHD	0.51	0.48

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tblVehicleEF	MHD	1.08	1.54
tblVehicleEF	MHD	9.92	1.29
tblVehicleEF	MHD	2.0900e-004	9.1000e-004
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.0000e-004	8.7100e-004
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2600e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.36	0.06
tblVehicleEF	MHD	1.3550e-003	6.4800e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.3800e-004	1.1800e-004
tblVehicleEF	MHD	1.7000e-003	9.9300e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0480e-003	6.0400e-004
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.39	0.07
tblVehicleEF	MHD	0.02	4.7150e-003
tblVehicleEF	MHD	4.8360e-003	4.5810e-003

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tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	0.37	0.47
tblVehicleEF	MHD	6.20	1.44
tblVehicleEF	MHD	122.05	66.24
tblVehicleEF	MHD	1,150.98	1,069.64
tblVehicleEF	MHD	63.58	12.07
tblVehicleEF	MHD	0.47	0.48
tblVehicleEF	MHD	1.12	1.60
tblVehicleEF	MHD	9.97	1.29
tblVehicleEF	MHD	3.0200e-004	1.3060e-003
tblVehicleEF	MHD	5.1090e-003	0.03
tblVehicleEF	MHD	8.4300e-004	1.3700e-004
tblVehicleEF	MHD	2.8900e-004	1.2500e-003
tblVehicleEF	MHD	4.8830e-003	0.03
tblVehicleEF	MHD	7.7600e-004	1.2600e-004
tblVehicleEF	MHD	1.1690e-003	6.8600e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.2400e-004	4.1600e-004
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.38	0.07
tblVehicleEF	MHD	1.1790e-003	6.2900e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4400e-004	1.1900e-004
tblVehicleEF	MHD	1.1690e-003	6.8600e-004

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tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.2400e-004	4.1600e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.41	0.07
tblVehicleEF	OBUS	0.01	8.4810e-003
tblVehicleEF	OBUS	7.7220e-003	7.0170e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.28	0.60
tblVehicleEF	OBUS	0.53	0.79
tblVehicleEF	OBUS	5.41	2.39
tblVehicleEF	OBUS	112.13	94.60
tblVehicleEF	OBUS	1,260.49	1,392.48
tblVehicleEF	OBUS	67.92	19.23
tblVehicleEF	OBUS	0.51	0.46
tblVehicleEF	OBUS	1.55	1.57
tblVehicleEF	OBUS	2.60	0.76
tblVehicleEF	OBUS	1.1400e-004	7.9300e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.0900e-004	7.5900e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4340e-003	1.8440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06

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tblVehicleEF	OBUS	7.6800e-004	9.4300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	1.0820e-003	9.0000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7400e-004	1.9000e-004
tblVehicleEF	OBUS	1.4340e-003	1.8440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6800e-004	9.4300e-004
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5410e-003
tblVehicleEF	OBUS	7.8490e-003	7.1420e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.27	0.58
tblVehicleEF	OBUS	0.54	0.80
tblVehicleEF	OBUS	5.11	2.26
tblVehicleEF	OBUS	117.81	94.47
tblVehicleEF	OBUS	1,260.49	1,392.51
tblVehicleEF	OBUS	67.92	19.00
tblVehicleEF	OBUS	0.53	0.45
tblVehicleEF	OBUS	1.46	1.47
tblVehicleEF	OBUS	2.57	0.75
tblVehicleEF	OBUS	9.6000e-005	6.7400e-004

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tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	9.2000e-005	6.4500e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	2.1010e-003	2.6890e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	1.0830e-003	1.3250e-003
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	1.1360e-003	8.9900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6900e-004	1.8800e-004
tblVehicleEF	OBUS	2.1010e-003	2.6890e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0830e-003	1.3250e-003
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.35	0.12
tblVehicleEF	OBUS	0.01	8.4180e-003
tblVehicleEF	OBUS	7.6880e-003	6.9830e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.30	0.62
tblVehicleEF	OBUS	0.53	0.79

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tblVehicleEF	OBUS	5.47	2.42
tblVehicleEF	OBUS	104.30	94.79
tblVehicleEF	OBUS	1,260.49	1,392.48
tblVehicleEF	OBUS	67.92	19.27
tblVehicleEF	OBUS	0.49	0.47
tblVehicleEF	OBUS	1.52	1.54
tblVehicleEF	OBUS	2.61	0.76
tblVehicleEF	OBUS	1.3900e-004	9.5800e-004
tblVehicleEF	OBUS	7.4300e-003	0.02
tblVehicleEF	OBUS	8.0700e-004	1.9700e-004
tblVehicleEF	OBUS	1.3300e-004	9.1600e-004
tblVehicleEF	OBUS	7.0930e-003	0.02
tblVehicleEF	OBUS	7.4200e-004	1.8100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.4700e-004	9.2500e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	1.0070e-003	9.0200e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7500e-004	1.9100e-004
tblVehicleEF	OBUS	1.4690e-003	1.9270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	7.4700e-004	9.2500e-004

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tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0580e-003
tblVehicleEF	SBUS	0.06	6.2120e-003
tblVehicleEF	SBUS	8.15	2.77
tblVehicleEF	SBUS	0.72	0.59
tblVehicleEF	SBUS	7.31	0.85
tblVehicleEF	SBUS	1,121.00	351.72
tblVehicleEF	SBUS	1,079.30	1,109.67
tblVehicleEF	SBUS	55.06	5.24
tblVehicleEF	SBUS	9.20	3.22
tblVehicleEF	SBUS	4.17	4.87
tblVehicleEF	SBUS	12.12	0.88
tblVehicleEF	SBUS	9.3410e-003	4.1230e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	8.9370e-003	3.9440e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	3.3650e-003	9.0700e-004
tblVehicleEF	SBUS	0.03	7.8550e-003
tblVehicleEF	SBUS	0.97	0.32
tblVehicleEF	SBUS	1.7650e-003	4.8200e-004

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tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3550e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.2000e-005
tblVehicleEF	SBUS	3.3650e-003	9.0700e-004
tblVehicleEF	SBUS	0.03	7.8550e-003
tblVehicleEF	SBUS	1.40	0.46
tblVehicleEF	SBUS	1.7650e-003	4.8200e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.1350e-003
tblVehicleEF	SBUS	0.06	5.5320e-003
tblVehicleEF	SBUS	8.04	2.74
tblVehicleEF	SBUS	0.73	0.60
tblVehicleEF	SBUS	5.94	0.69
tblVehicleEF	SBUS	1,171.46	359.77
tblVehicleEF	SBUS	1,079.30	1,109.69
tblVehicleEF	SBUS	55.06	4.98
tblVehicleEF	SBUS	9.50	3.29
tblVehicleEF	SBUS	3.93	4.59
tblVehicleEF	SBUS	12.09	0.87
tblVehicleEF	SBUS	7.8750e-003	3.4830e-003
tblVehicleEF	SBUS	0.01	0.01

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tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	7.5340e-003	3.3320e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	4.9570e-003	1.3200e-003
tblVehicleEF	SBUS	0.03	7.9970e-003
tblVehicleEF	SBUS	0.97	0.32
tblVehicleEF	SBUS	2.5080e-003	6.7400e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	0.01	3.4310e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.5400e-004	4.9000e-005
tblVehicleEF	SBUS	4.9570e-003	1.3200e-003
tblVehicleEF	SBUS	0.03	7.9970e-003
tblVehicleEF	SBUS	1.40	0.45
tblVehicleEF	SBUS	2.5080e-003	6.7400e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.37	0.03
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0360e-003
tblVehicleEF	SBUS	0.07	6.3620e-003
tblVehicleEF	SBUS	8.31	2.83

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tblVehicleEF	SBUS	0.72	0.58
tblVehicleEF	SBUS	7.56	0.88
tblVehicleEF	SBUS	1,051.30	340.60
tblVehicleEF	SBUS	1,079.30	1,109.67
tblVehicleEF	SBUS	55.06	5.29
tblVehicleEF	SBUS	8.80	3.13
tblVehicleEF	SBUS	4.10	4.79
tblVehicleEF	SBUS	12.13	0.88
tblVehicleEF	SBUS	0.01	5.0060e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	8.1500e-004	5.1000e-005
tblVehicleEF	SBUS	0.01	4.7890e-003
tblVehicleEF	SBUS	2.6670e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.5000e-004	4.7000e-005
tblVehicleEF	SBUS	3.4320e-003	9.2000e-004
tblVehicleEF	SBUS	0.03	8.2560e-003
tblVehicleEF	SBUS	0.98	0.32
tblVehicleEF	SBUS	1.6940e-003	4.6300e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.01	3.2500e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.8100e-004	5.2000e-005
tblVehicleEF	SBUS	3.4320e-003	9.2000e-004

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.03	8.2560e-003
tblVehicleEF	SBUS	1.41	0.46
tblVehicleEF	SBUS	1.6940e-003	4.6300e-004
tblVehicleEF	SBUS	0.13	0.11
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.43	0.04
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.22	45.07
tblVehicleEF	UBUS	8.87	0.71
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.53
tblVehicleEF	UBUS	9.98	0.48
tblVehicleEF	UBUS	15.36	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	0.85	0.08
tblVehicleEF	UBUS	0.02	0.05

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	9.8600e-003	1.5580e-003
tblVehicleEF	UBUS	1.1250e-003	8.4000e-005
tblVehicleEF	UBUS	4.1440e-003	6.1100e-004
tblVehicleEF	UBUS	0.07	8.4590e-003
tblVehicleEF	UBUS	2.3870e-003	4.9000e-004
tblVehicleEF	UBUS	3.56	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.74	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.27	45.07
tblVehicleEF	UBUS	7.69	0.62
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.38
tblVehicleEF	UBUS	9.41	0.48
tblVehicleEF	UBUS	15.31	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003
tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	5.9080e-003	8.9300e-004
tblVehicleEF	UBUS	0.07	8.7350e-003

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	3.2830e-003	6.8000e-004
tblVehicleEF	UBUS	0.86	0.08
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.62	0.04
tblVehicleEF	UBUS	9.8610e-003	1.5580e-003
tblVehicleEF	UBUS	1.1050e-003	8.3000e-005
tblVehicleEF	UBUS	5.9080e-003	8.9300e-004
tblVehicleEF	UBUS	0.07	8.7350e-003
tblVehicleEF	UBUS	3.2830e-003	6.8000e-004
tblVehicleEF	UBUS	3.57	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.68	0.05
tblVehicleEF	UBUS	2.61	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	11.21	45.07
tblVehicleEF	UBUS	9.08	0.72
tblVehicleEF	UBUS	1,968.89	1,988.80
tblVehicleEF	UBUS	96.56	8.56
tblVehicleEF	UBUS	9.79	0.48
tblVehicleEF	UBUS	15.38	0.08
tblVehicleEF	UBUS	0.61	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	3.2120e-003
tblVehicleEF	UBUS	1.0870e-003	4.6000e-005
tblVehicleEF	UBUS	0.26	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.13	3.0700e-003

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	9.9900e-004	4.2000e-005
tblVehicleEF	UBUS	4.7000e-003	5.9500e-004
tblVehicleEF	UBUS	0.08	9.0200e-003
tblVehicleEF	UBUS	2.5010e-003	4.6500e-004
tblVehicleEF	UBUS	0.85	0.08
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.69	0.05
tblVehicleEF	UBUS	9.8590e-003	1.5580e-003
tblVehicleEF	UBUS	1.1290e-003	8.5000e-005
tblVehicleEF	UBUS	4.7000e-003	5.9500e-004
tblVehicleEF	UBUS	0.08	9.0200e-003
tblVehicleEF	UBUS	2.5010e-003	4.6500e-004
tblVehicleEF	UBUS	3.55	5.92
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.75	0.05
tblVehicleTrips	CC_TL	8.40	4.98
tblVehicleTrips	CC_TL	8.40	4.98
tblVehicleTrips	CNW_TL	6.90	4.09
tblVehicleTrips	CNW_TL	6.90	4.09
tblVehicleTrips	CW_TL	16.60	9.85
tblVehicleTrips	CW_TL	16.60	9.85
tblVehicleTrips	ST_TR	1.50	1.74
tblVehicleTrips	ST_TR	1.49	3.93
tblVehicleTrips	SU_TR	1.50	1.74
tblVehicleTrips	SU_TR	0.62	3.93
tblVehicleTrips	WD_TR	1.50	1.74
tblVehicleTrips	WD_TR	3.82	3.93

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	3.3888	33.2554	22.3547	0.0405	0.1677	1.6601	1.8278	0.0445	1.5431	1.5876	0.0000	3,913.8180	3,913.8180	1.0632	0.0000	3,940.3976
2021	64.5821	68.6751	52.8717	0.1137	10.5232	2.9736	13.4968	4.0941	2.7554	6.8495	0.0000	11,124.0805	11,124.0805	2.6207	0.0000	11,189.5991
Maximum	64.5821	68.6751	52.8717	0.1137	10.5232	2.9736	13.4968	4.0941	2.7554	6.8495	0.0000	11,124.0805	11,124.0805	2.6207	0.0000	11,189.5991

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	lb/day										lb/day					
2020	3.3888	33.2554	22.3547	0.0405	0.1677	1.6601	1.8278	0.0445	1.5431	1.5876	0.0000	3,913.8180	3,913.8180	1.0632	0.0000	3,940.3976
2021	64.5821	68.6751	52.8717	0.1137	5.7528	2.9736	8.7264	2.1160	2.7554	4.8714	0.0000	11,124.0805	11,124.0805	2.6207	0.0000	11,189.5991
Maximum	64.5821	68.6751	52.8717	0.1137	5.7528	2.9736	8.7264	2.1160	2.7554	4.8714	0.0000	11,124.0805	11,124.0805	2.6207	0.0000	11,189.5991

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	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	44.62	0.00	31.13	47.80	0.00	23.44	0.00	0.00	0.00	0.00	0.00	0.00

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Energy	0.1564	1.4216	1.1941	8.5300e-003		0.1080	0.1080		0.1080	0.1080		1,705.8630	1,705.8630	0.0327	0.0313	1,716.0001
Mobile	1.9653	3.7708	17.3393	0.0465	4.3847	0.0474	4.4321	1.1710	0.0444	1.2154		4,813.3403	4,813.3403	0.3661		4,822.4934
Total	8.7786	5.1930	18.6035	0.0550	4.3847	0.1557	4.5404	1.1710	0.1527	1.3237		6,519.3533	6,519.3533	0.3992	0.0313	6,538.6534

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Energy	0.1139	1.0356	0.8699	6.2100e-003		0.0787	0.0787		0.0787	0.0787		1,242.7353	1,242.7353	0.0238	0.0228	1,250.1203
Mobile	1.9653	3.7708	17.3393	0.0465	4.3847	0.0474	4.4321	1.1710	0.0444	1.2154		4,813.3403	4,813.3403	0.3661		4,822.4934
Total	8.7361	4.8071	18.2793	0.0527	4.3847	0.1263	4.5110	1.1710	0.1234	1.2944		6,056.2256	6,056.2256	0.3904	0.0228	6,072.7736

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	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	0.48	7.43	1.74	4.22	0.00	18.84	0.65	0.00	19.21	2.22	0.00	7.10	7.10	2.22	27.15	7.13

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/5/2020	12/31/2020	5	64	
2	Grading	Grading	1/1/2021	3/3/2021	5	44	
3	Building Construction	Building Construction	3/3/2021	12/28/2021	5	215	
4	Paving	Paving	9/1/2021	10/26/2021	5	40	
5	Architectural Coating	Architectural Coating	10/27/2021	12/27/2021	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 110

Acres of Paving: 7.59

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 438,600; Non-Residential Outdoor: 146,200; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	1	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	3	8.00	97	0.37
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	123.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.1493	46.1422	29.8669	0.0600		1.9927	1.9927		1.8333	1.8333		5,807.7515	5,807.7515	1.8783		5,854.7102
Total	4.1493	46.1422	29.8669	0.0600	8.6733	1.9927	10.6660	3.5965	1.8333	5.4298		5,807.7515	5,807.7515	1.8783		5,854.7102

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	4.1493	46.1422	29.8669	0.0600		1.9927	1.9927		1.8333	1.8333	0.0000	5,807.7515	5,807.7515	1.8783		5,854.7102
Total	4.1493	46.1422	29.8669	0.0600	3.9030	1.9927	5.8957	1.6184	1.8333	3.4517	0.0000	5,807.7515	5,807.7515	1.8783		5,854.7102

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1532	4.6507	1.3477	0.0120	0.3073	9.8300e-003	0.3171	0.0885	9.4100e-003	0.0979		1,283.2585	1,283.2585	0.0828		1,285.3296
Worker	0.5865	0.4012	4.5296	0.0132	1.3749	0.0111	1.3860	0.3646	0.0102	0.3749		1,318.8688	1,318.8688	0.0388		1,319.8391
Total	0.7397	5.0518	5.8772	0.0253	1.6822	0.0209	1.7031	0.4531	0.0196	0.4727		2,602.1274	2,602.1274	0.1217		2,605.1687

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1532	4.6507	1.3477	0.0120	0.3073	9.8300e-003	0.3171	0.0885	9.4100e-003	0.0979		1,283.2585	1,283.2585	0.0828		1,285.3296
Worker	0.5865	0.4012	4.5296	0.0132	1.3749	0.0111	1.3860	0.3646	0.0102	0.3749		1,318.8688	1,318.8688	0.0388		1,319.8391
Total	0.7397	5.0518	5.8772	0.0253	1.6822	0.0209	1.7031	0.4531	0.0196	0.4727		2,602.1274	2,602.1274	0.1217		2,605.1687

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4972					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7527	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.4972					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7527	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	61.6034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	61.8223	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1192	0.0815	0.9206	2.6900e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		268.0628	268.0628	7.8900e-003		268.2600
Total	0.1192	0.0815	0.9206	2.6900e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		268.0628	268.0628	7.8900e-003		268.2600

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	61.6034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	61.8223	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1192	0.0815	0.9206	2.6900e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		268.0628	268.0628	7.8900e-003		268.2600
Total	0.1192	0.0815	0.9206	2.6900e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		268.0628	268.0628	7.8900e-003		268.2600

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9653	3.7708	17.3393	0.0465	4.3847	0.0474	4.4321	1.1710	0.0444	1.2154		4,813.340 3	4,813.340 3	0.3661		4,822.493 4
Unmitigated	1.9653	3.7708	17.3393	0.0465	4.3847	0.0474	4.4321	1.1710	0.0444	1.2154		4,813.340 3	4,813.340 3	0.3661		4,822.493 4

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	287.45	287.45	287.45	755,260	755,260
Manufacturing	499.90	499.90	499.90	1,313,460	1,313,460
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	787.34	787.34	787.34	2,068,719	2,068,719

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	9.85	4.98	4.09	59.00	28.00	13.00	92	5	3
Manufacturing	9.85	4.98	4.09	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Manufacturing	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1139	1.0356	0.8699	6.2100e-003		0.0787	0.0787		0.0787	0.0787		1,242.7353	1,242.7353	0.0238	0.0228	1,250.1203
NaturalGas Unmitigated	0.1564	1.4216	1.1941	8.5300e-003		0.1080	0.1080		0.1080	0.1080		1,705.8630	1,705.8630	0.0327	0.0313	1,716.0001

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	8192.11	0.0884	0.8032	0.6746	4.8200e-003		0.0610	0.0610		0.0610	0.0610		963.7776	963.7776	0.0185	0.0177	969.5049
Manufacturing	6307.73	0.0680	0.6184	0.5195	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.0854	742.0854	0.0142	0.0136	746.4953
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1564	1.4216	1.1941	8.5300e-003		0.1080	0.1080		0.1080	0.1080		1,705.8630	1,705.8630	0.0327	0.0313	1,716.0001

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	5.96802	0.0644	0.5851	0.4915	3.5100e-003		0.0445	0.0445		0.0445	0.0445		702.1200	702.1200	0.0135	0.0129	706.2923
Manufacturing	4.59523	0.0496	0.4505	0.3784	2.7000e-003		0.0342	0.0342		0.0342	0.0342		540.6154	540.6154	0.0104	9.9100e-003	543.8280
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1139	1.0356	0.8699	6.2100e-003		0.0787	0.0787		0.0787	0.0787		1,242.7353	1,242.7353	0.0238	0.0228	1,250.1203

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

No Hearths Installed

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Unmitigated	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.9077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5200e-003	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Total	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.7426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.9077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5200e-003	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599
Total	6.6569	6.4000e-004	0.0701	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1500	0.1500	4.0000e-004		0.1599

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

Panattoni Warehouse + Manufacturing Project - Los Angeles-South Coast County, Winter

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

**Panattoni Project - Warehouse and Manufacturing Option
Energy Calculations**

Land Use	Natural Gas Use		Electricity Use	
	(kBTU/yr)	(Therms)	(kWh/yr)	(MWh/yr)
General Heavy Industrial	21,788,330	217,883	1,699,910	1,700
Manufacturing	1,677,260	16,773	1,308,890	1,309
Other Asphalt Surfaces	0	0	0	0
Parking Lot	0	0	54,460	54
Totals	23,465,590	234,656	3,063,260	3,063

1 kBTU = 0.01 therms

Energy Type	Project Annual Energy Consumption	Los Angeles County Annual Energy	Percentage Increase Countywide
Electricity	3,063	68,486,000	0.0045%
Natural Gas	234,656	2,921,000,000	0.0080%

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

**Panattoni Project - Warehouse and Manufacturing Option
Energy Calculations**

Vehicle Type	Percent of Vehicle Trips ¹	Daily Trips ²	Annual Vehicle Miles Traveled ³	Average Fuel Economy (miles per gallon) ⁴	Total Annual Fuel Consumption (gallons) ⁵
Passenger Cars	0.55	--	1135432.97	22	51,611
Light/Medium Trucks	0.39	--	799005.48	17.3	46,185
Heavy Trucks/Other	0.06	--	134280.55	6.4	20,981
TOTAL⁶	1.00	--	2,068,719	--	118,777

Notes:

1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model.
2. Daily Trips calculated by multiplying the total daily trips by percent vehicle trips (i.e., Daily Trips x percent of Vehicle Trips).
3. Daily Vehicle Miles Traveled (VMT) calculated by multiplying percent vehicle trips by total VMT (i.e., VMT x percent of Vehicle Trips).
4. Average fuel economy derived from the Department of Transportation.
5. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).
6. Values may be slightly off due to rounding.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

**Panattoni Project - Warehouse and Manufacturing Option
Energy Calculations**

WORKER TRIPS						
Phase	Phase Length (# days)	# Worker Trips	Worker Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	64	15	14.7	14112		566.68
Grading	44	15	14.7	9702		389.59
Paving	40	15	14.7	8820	24.90284233	354.18
Building Construction	215	123	14.7	1808		72.61
Architectural Coating	44	25	14.7	368		14.76
						1397.82
VENDOR TRIPS						
Phase	Phase Length (# days)	# Vendor Trips	Vendor Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Demolition	64	0	6.9	0		0.00
Grading	44	0	6.9	0		0.00
Paving	40	0	6.9	0	8.343886151	0.00
Building Construction	215	48	6.9	331		39.69
Architectural Coating	44	0	6.9	0		0.00
						39.69
HAULING TRIPS						
Phase	Phase Length (# days)	# Hauling Trips	Hauling Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)¹	Total Fuel Consumption
Demolition	64	0	20	0		0.00
Grading	44	0	20	0		0.00
Paving	40	0	20	0	8.343886151	0.00
Building Construction	215	0	20	0		0.00
Architectural Coating	44	0	20	0		0.00
						0.00
TOTAL OFF-SITE MOBILE GALLONS CONSUMED DURING CONSTRUCTION						1,437.51

**Panattoni Project - Warehouse and Manufacturing Option
Energy Calculations**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallons per hour)	Duration (total hours/day)	# days	Total Fuel Consumption (gallons)
Demolition	Concrete/Industrial Saws	1	8	81	0.73	2.3652	8	64	1210.98
	Excavators	3	8	158	0.38	2.4016	24	64	3688.86
	Rubber Tired Dozers	2	8	247	0.4	3.952	16	64	4046.85
Grading	Excavators	1	8	158	0.38	2.4016	8	44	845.36
	Graders	1	8	187	0.41	3.0668	8	44	1079.51
	Rubber Tired Dozers	1	8	247	0.4	3.952	8	44	1391.10
	Scrapers	2	8	367	0.48	7.0464	16	44	4960.67
	Tractors/Loaders/Backhoes	3	8	97	0.37	1.4356	24	44	1515.99
Paving	Pavers	2	8	130	0.42	2.184	16	40	1397.76
	Paving Equipment	2	8	132	0.36	1.9008	16	40	1216.51
	Rollers	2	8	80	0.38	1.216	16	40	778.24
Building Construction	Cranes	1	7	231	0.29	2.6796	7	215	4032.80
	Forklifts	3	8	89	0.20	0.712	24	215	3673.92
	Generator Sets	1	8	84	0.74	2.4864	8	215	4276.61
	Tractors/Loaders/Backhoes	3	7	97	0.37	1.4356	21	215	6481.73
	Welders	1	8	46	0.45	0.828	8	215	1424.16
Architectural Coating	Air Compressors	1	6	78	0.48	1.4976	6	44	395.37
Total:									43,854
Off-Site Mobile Construction Total:									1,437.51
TOTAL:									45,291
Notes:									
Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor									
Where:									
Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.									
Source: Refer to CalEEMod outputs for assumptions used in this analysis.									