

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

Long Beach Water Well - Los Angeles-South Coast County, Annual

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Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	0.79	1000sqft	0.02	785.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	534	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Long Beach Water Well - Los Angeles-South Coast County, Annual

Project Characteristics - SCE 2019 Sustainability Report

Land Use -

Construction Phase - per construction questionnaire

Off-road Equipment -

Off-road Equipment - per construction questionnaire

Off-road Equipment - per construction questionnaire

Off-road Equipment - estimated based on a water well project

Off-road Equipment - estimated based on a water well project

Off-road Equipment - estimated based on a water well project

Off-road Equipment - per construction questionnaire

Trips and VMT - assume 1.25 workers/2.5 trips per equipment

Grading -

Architectural Coating - SCAQMD Rule 1113

Vehicle Trips - per traffic study

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Area Coating - SCAQMD Rule 1113

Energy Use - account for on-site equipment

Water And Wastewater - utility doesn't consume water

Solid Waste - utility doesn't generate solid waste

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Energy Mitigation - 2019 Title 24 30% more efficient than 2016 Title 24

Operational Off-Road Equipment -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Long Beach Water Well - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	87.00
tblConstructionPhase	NumDays	100.00	133.00
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	NumDays	5.00	10.00
tblEnergyUse	NT24E	1.34	2,584.87
tblLandUse	LandUseSquareFeet	790.00	785.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	24.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblSolidWaste	SolidWasteGenerationRate	0.74	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	308.31
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	24.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	0.00	23.00
tblTripsAndVMT	WorkerTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	3.00
tblVehicleEF	HHD	0.47	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.07	0.00
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tblVehicleEF	HHD	4,415.48	1,123.52
tblVehicleEF	HHD	1,567.39	1,374.48
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tblVehicleEF	HHD	13.98	5.77
tblVehicleEF	HHD	2.11	2.71
tblVehicleEF	HHD	19.48	2.35
tblVehicleEF	HHD	8.9530e-003	3.0540e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	6.2770e-003	0.02
tblVehicleEF	HHD	9.2000e-005	1.0000e-006
tblVehicleEF	HHD	8.5660e-003	2.9220e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8420e-003	8.8990e-003

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	HHD	6.0050e-003	0.02
tblVehicleEF	HHD	8.5000e-005	1.0000e-006
tblVehicleEF	HHD	9.9000e-005	5.0000e-006
tblVehicleEF	HHD	4.3090e-003	1.9100e-004
tblVehicleEF	HHD	0.41	0.46
tblVehicleEF	HHD	7.6000e-005	3.0000e-006
tblVehicleEF	HHD	0.09	0.02
tblVehicleEF	HHD	3.5500e-004	8.1000e-005
tblVehicleEF	HHD	0.07	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
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tblVehicleEF	HHD	9.9000e-005	5.0000e-006
tblVehicleEF	HHD	4.3090e-003	1.9100e-004
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tblVehicleEF	HHD	7.6000e-005	3.0000e-006
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tblVehicleEF	HHD	0.08	3.0000e-006
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tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	1.17	6.70
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tblVehicleEF	HHD	3.12	8.1330e-003
tblVehicleEF	HHD	4,677.81	1,110.61
tblVehicleEF	HHD	1,567.39	1,374.48

Long Beach Water Well - Los Angeles-South Coast County, Annual

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tblVehicleEF	HHD	19.47	2.35
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tblVehicleEF	HHD	0.04	0.04
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tblVehicleEF	HHD	9.2000e-005	1.0000e-006
tblVehicleEF	HHD	7.2220e-003	2.5490e-003
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tblVehicleEF	HHD	8.8420e-003	8.8990e-003
tblVehicleEF	HHD	6.0050e-003	0.02
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tblVehicleEF	HHD	1.5000e-004	8.0000e-006
tblVehicleEF	HHD	4.4160e-003	1.9500e-004
tblVehicleEF	HHD	0.38	0.49
tblVehicleEF	HHD	1.0700e-004	5.0000e-006
tblVehicleEF	HHD	0.09	0.02
tblVehicleEF	HHD	3.4300e-004	8.0000e-005
tblVehicleEF	HHD	0.07	2.0000e-006
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tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.5800e-004	1.0000e-006
tblVehicleEF	HHD	1.5000e-004	8.0000e-006
tblVehicleEF	HHD	4.4160e-003	1.9500e-004
tblVehicleEF	HHD	0.45	0.56

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	HHD	1.0700e-004	5.0000e-006
tblVehicleEF	HHD	0.20	0.11
tblVehicleEF	HHD	3.4300e-004	8.0000e-005
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tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.07	0.00
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tblVehicleEF	HHD	3.32	8.6490e-003
tblVehicleEF	HHD	4,053.22	1,141.34
tblVehicleEF	HHD	1,567.39	1,374.48
tblVehicleEF	HHD	10.70	0.08
tblVehicleEF	HHD	13.36	6.13
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tblVehicleEF	HHD	19.48	2.35
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8420e-003	8.8990e-003
tblVehicleEF	HHD	6.0050e-003	0.02
tblVehicleEF	HHD	8.5000e-005	1.0000e-006
tblVehicleEF	HHD	9.6000e-005	5.0000e-006

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	HHD	4.5590e-003	2.1500e-004
tblVehicleEF	HHD	0.44	0.42
tblVehicleEF	HHD	7.3000e-005	3.0000e-006
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tblVehicleEF	HHD	0.07	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.6100e-004	1.0000e-006
tblVehicleEF	HHD	9.6000e-005	5.0000e-006
tblVehicleEF	HHD	4.5590e-003	2.1500e-004
tblVehicleEF	HHD	0.52	0.49
tblVehicleEF	HHD	7.3000e-005	3.0000e-006
tblVehicleEF	HHD	0.20	0.11
tblVehicleEF	HHD	3.8700e-004	8.7000e-005
tblVehicleEF	HHD	0.08	3.0000e-006
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tblVehicleEF	LDA	4.1600e-003	0.04
tblVehicleEF	LDA	0.57	0.63
tblVehicleEF	LDA	0.95	1.97
tblVehicleEF	LDA	253.91	260.36
tblVehicleEF	LDA	52.79	51.07
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.16
tblVehicleEF	LDA	2.0900e-003	1.6530e-003
tblVehicleEF	LDA	2.2190e-003	1.6920e-003
tblVehicleEF	LDA	1.9260e-003	1.5220e-003

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	LDA	2.0400e-003	1.5550e-003
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	9.0030e-003
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.5430e-003	2.5240e-003
tblVehicleEF	LDA	5.4400e-004	4.9500e-004
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	4.7040e-003	2.5390e-003
tblVehicleEF	LDA	3.7040e-003	0.04
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	0.81	1.68
tblVehicleEF	LDA	265.72	272.17
tblVehicleEF	LDA	52.79	50.54
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.15
tblVehicleEF	LDA	2.0900e-003	1.6530e-003
tblVehicleEF	LDA	2.2190e-003	1.6920e-003
tblVehicleEF	LDA	1.9260e-003	1.5220e-003
tblVehicleEF	LDA	2.0400e-003	1.5550e-003

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	9.5660e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.05	0.17
tblVehicleEF	LDA	2.6610e-003	2.6380e-003
tblVehicleEF	LDA	5.4100e-004	4.9000e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.02
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tblVehicleEF	LDA	4.2560e-003	0.04
tblVehicleEF	LDA	0.55	0.60
tblVehicleEF	LDA	0.98	2.03
tblVehicleEF	LDA	249.59	256.04
tblVehicleEF	LDA	52.79	51.19
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.16
tblVehicleEF	LDA	2.0900e-003	1.6530e-003
tblVehicleEF	LDA	2.2190e-003	1.6920e-003
tblVehicleEF	LDA	1.9260e-003	1.5220e-003
tblVehicleEF	LDA	2.0400e-003	1.5550e-003
tblVehicleEF	LDA	0.03	0.04

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	8.8210e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.4990e-003	2.4820e-003
tblVehicleEF	LDA	5.4400e-004	4.9600e-004
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDT1	0.01	5.9830e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.40	1.19
tblVehicleEF	LDT1	2.25	2.11
tblVehicleEF	LDT1	322.00	308.26
tblVehicleEF	LDT1	65.45	60.91
tblVehicleEF	LDT1	0.13	0.09
tblVehicleEF	LDT1	0.13	0.22
tblVehicleEF	LDT1	3.2340e-003	2.3520e-003
tblVehicleEF	LDT1	3.1500e-003	2.2950e-003
tblVehicleEF	LDT1	2.9770e-003	2.1650e-003
tblVehicleEF	LDT1	2.8970e-003	2.1110e-003
tblVehicleEF	LDT1	0.11	0.11
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Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	LDT1	0.09	0.09
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tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.16	0.08
tblVehicleEF	LDT1	0.16	0.32
tblVehicleEF	LDT1	0.01	6.3550e-003
tblVehicleEF	LDT1	9.8770e-003	0.05
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tblVehicleEF	LDT1	1.91	1.80
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tblVehicleEF	LDT1	0.11	0.08
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tblVehicleEF	LDT1	3.2340e-003	2.3520e-003
tblVehicleEF	LDT1	3.1500e-003	2.2950e-003
tblVehicleEF	LDT1	2.9770e-003	2.1650e-003
tblVehicleEF	LDT1	2.8970e-003	2.1110e-003
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.24	0.18
tblVehicleEF	LDT1	0.13	0.13

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.13	0.26
tblVehicleEF	LDT1	3.3800e-003	3.1040e-003
tblVehicleEF	LDT1	6.8800e-004	5.8500e-004
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.24	0.18
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.15	0.28
tblVehicleEF	LDT1	0.01	5.8680e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.36	1.15
tblVehicleEF	LDT1	2.32	2.18
tblVehicleEF	LDT1	316.82	303.88
tblVehicleEF	LDT1	65.45	61.04
tblVehicleEF	LDT1	0.13	0.09
tblVehicleEF	LDT1	0.13	0.22
tblVehicleEF	LDT1	3.2340e-003	2.3520e-003
tblVehicleEF	LDT1	3.1500e-003	2.2950e-003
tblVehicleEF	LDT1	2.9770e-003	2.1650e-003
tblVehicleEF	LDT1	2.8970e-003	2.1110e-003
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.26	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	LDT1	0.18	0.09
tblVehicleEF	LDT1	0.15	0.29
tblVehicleEF	LDT1	3.1850e-003	2.9460e-003
tblVehicleEF	LDT1	6.9500e-004	5.9200e-004
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.26	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.18	0.09
tblVehicleEF	LDT1	0.17	0.32
tblVehicleEF	LDT2	6.1600e-003	4.0250e-003
tblVehicleEF	LDT2	5.0900e-003	0.06
tblVehicleEF	LDT2	0.76	0.88
tblVehicleEF	LDT2	1.14	2.47
tblVehicleEF	LDT2	357.41	324.61
tblVehicleEF	LDT2	72.80	64.57
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	2.1810e-003	1.7710e-003
tblVehicleEF	LDT2	2.3970e-003	1.7550e-003
tblVehicleEF	LDT2	2.0060e-003	1.6300e-003
tblVehicleEF	LDT2	2.2040e-003	1.6140e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.05

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	LDT2	0.07	0.26
tblVehicleEF	LDT2	3.5800e-003	3.1470e-003
tblVehicleEF	LDT2	7.4700e-004	6.2600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.08	0.29
tblVehicleEF	LDT2	6.5370e-003	4.2950e-003
tblVehicleEF	LDT2	4.5360e-003	0.05
tblVehicleEF	LDT2	0.83	0.97
tblVehicleEF	LDT2	0.98	2.11
tblVehicleEF	LDT2	373.41	336.05
tblVehicleEF	LDT2	72.80	63.89
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.08	0.22
tblVehicleEF	LDT2	2.1810e-003	1.7710e-003
tblVehicleEF	LDT2	2.3970e-003	1.7550e-003
tblVehicleEF	LDT2	2.0060e-003	1.6300e-003
tblVehicleEF	LDT2	2.2040e-003	1.6140e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.06	0.23

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	LDT2	3.7410e-003	3.2570e-003
tblVehicleEF	LDT2	7.4400e-004	6.1900e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.07	0.26
tblVehicleEF	LDT2	6.0370e-003	3.9420e-003
tblVehicleEF	LDT2	5.2090e-003	0.06
tblVehicleEF	LDT2	0.73	0.85
tblVehicleEF	LDT2	1.18	2.55
tblVehicleEF	LDT2	351.53	320.42
tblVehicleEF	LDT2	72.80	64.73
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.08	0.24
tblVehicleEF	LDT2	2.1810e-003	1.7710e-003
tblVehicleEF	LDT2	2.3970e-003	1.7550e-003
tblVehicleEF	LDT2	2.0060e-003	1.6300e-003
tblVehicleEF	LDT2	2.2040e-003	1.6140e-003
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	3.5210e-003	3.1060e-003

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	LDT2	7.4800e-004	6.2800e-004
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.08	0.29
tblVehicleEF	LHD1	4.9880e-003	5.1130e-003
tblVehicleEF	LHD1	9.2560e-003	4.4970e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	0.66	0.51
tblVehicleEF	LHD1	2.37	1.03
tblVehicleEF	LHD1	8.95	8.76
tblVehicleEF	LHD1	588.36	640.47
tblVehicleEF	LHD1	31.02	11.61
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.78	0.51
tblVehicleEF	LHD1	0.89	0.30
tblVehicleEF	LHD1	8.3700e-004	8.2100e-004
tblVehicleEF	LHD1	0.01	9.7900e-003
tblVehicleEF	LHD1	8.5610e-003	5.8770e-003
tblVehicleEF	LHD1	8.8500e-004	2.5400e-004
tblVehicleEF	LHD1	8.0100e-004	7.8500e-004
tblVehicleEF	LHD1	2.5540e-003	2.4480e-003
tblVehicleEF	LHD1	8.1660e-003	5.5950e-003
tblVehicleEF	LHD1	8.1400e-004	2.3300e-004

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	LHD1	2.7900e-003	2.1840e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7340e-003	1.3610e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.18
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	8.9000e-005	8.5000e-005
tblVehicleEF	LHD1	5.7670e-003	6.2490e-003
tblVehicleEF	LHD1	3.5400e-004	1.1500e-004
tblVehicleEF	LHD1	2.7900e-003	2.1840e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7340e-003	1.3610e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.18
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	4.9880e-003	5.1240e-003
tblVehicleEF	LHD1	9.4510e-003	4.5800e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	0.67	0.52
tblVehicleEF	LHD1	2.26	0.99
tblVehicleEF	LHD1	8.95	8.76
tblVehicleEF	LHD1	588.36	640.49
tblVehicleEF	LHD1	31.02	11.53
tblVehicleEF	LHD1	0.07	0.05

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	LHD1	0.73	0.47
tblVehicleEF	LHD1	0.85	0.28
tblVehicleEF	LHD1	8.3700e-004	8.2100e-004
tblVehicleEF	LHD1	0.01	9.7900e-003
tblVehicleEF	LHD1	8.5610e-003	5.8770e-003
tblVehicleEF	LHD1	8.8500e-004	2.5400e-004
tblVehicleEF	LHD1	8.0100e-004	7.8500e-004
tblVehicleEF	LHD1	2.5540e-003	2.4480e-003
tblVehicleEF	LHD1	8.1660e-003	5.5950e-003
tblVehicleEF	LHD1	8.1400e-004	2.3300e-004
tblVehicleEF	LHD1	4.1640e-003	3.2670e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.4160e-003	1.9040e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.28	0.17
tblVehicleEF	LHD1	0.21	0.06
tblVehicleEF	LHD1	8.9000e-005	8.5000e-005
tblVehicleEF	LHD1	5.7670e-003	6.2490e-003
tblVehicleEF	LHD1	3.5200e-004	1.1400e-004
tblVehicleEF	LHD1	4.1640e-003	3.2670e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.4160e-003	1.9040e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.28	0.17
tblVehicleEF	LHD1	0.23	0.07

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	LHD1	4.9880e-003	5.1110e-003
tblVehicleEF	LHD1	9.2060e-003	4.4760e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	0.66	0.51
tblVehicleEF	LHD1	2.39	1.04
tblVehicleEF	LHD1	8.95	8.76
tblVehicleEF	LHD1	588.36	640.47
tblVehicleEF	LHD1	31.02	11.62
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.76	0.50
tblVehicleEF	LHD1	0.89	0.30
tblVehicleEF	LHD1	8.3700e-004	8.2100e-004
tblVehicleEF	LHD1	0.01	9.7900e-003
tblVehicleEF	LHD1	8.5610e-003	5.8770e-003
tblVehicleEF	LHD1	8.8500e-004	2.5400e-004
tblVehicleEF	LHD1	8.0100e-004	7.8500e-004
tblVehicleEF	LHD1	2.5540e-003	2.4480e-003
tblVehicleEF	LHD1	8.1660e-003	5.5950e-003
tblVehicleEF	LHD1	8.1400e-004	2.3300e-004
tblVehicleEF	LHD1	2.9050e-003	2.2770e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7020e-003	1.3380e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.31	0.19
tblVehicleEF	LHD1	0.22	0.07

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	LHD1	8.9000e-005	8.5000e-005
tblVehicleEF	LHD1	5.7670e-003	6.2490e-003
tblVehicleEF	LHD1	3.5400e-004	1.1500e-004
tblVehicleEF	LHD1	2.9050e-003	2.2770e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7020e-003	1.3380e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.31	0.19
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD2	3.5180e-003	3.5330e-003
tblVehicleEF	LHD2	3.4110e-003	3.2650e-003
tblVehicleEF	LHD2	6.5620e-003	9.1530e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.28	0.35
tblVehicleEF	LHD2	1.17	0.67
tblVehicleEF	LHD2	13.57	13.33
tblVehicleEF	LHD2	605.98	641.40
tblVehicleEF	LHD2	26.15	8.76
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.46	0.64
tblVehicleEF	LHD2	0.46	0.20
tblVehicleEF	LHD2	1.1260e-003	1.3110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.0770e-003	9.6270e-003
tblVehicleEF	LHD2	4.2100e-004	1.4200e-004
tblVehicleEF	LHD2	1.0770e-003	1.2540e-003

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	LHD2	2.6710e-003	2.6560e-003
tblVehicleEF	LHD2	7.7140e-003	9.1940e-003
tblVehicleEF	LHD2	3.8700e-004	1.3100e-004
tblVehicleEF	LHD2	9.3900e-004	1.3030e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.4000e-004	8.4000e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.07	0.10
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	1.3300e-004	1.2800e-004
tblVehicleEF	LHD2	5.9000e-003	6.2020e-003
tblVehicleEF	LHD2	2.8200e-004	8.7000e-005
tblVehicleEF	LHD2	9.3900e-004	1.3030e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.4000e-004	8.4000e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.10
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	3.5180e-003	3.5410e-003
tblVehicleEF	LHD2	3.4510e-003	3.2980e-003
tblVehicleEF	LHD2	6.3490e-003	8.8380e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.28	0.35
tblVehicleEF	LHD2	1.12	0.64
tblVehicleEF	LHD2	13.57	13.33

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	LHD2	605.98	641.41
tblVehicleEF	LHD2	26.15	8.70
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.44	0.60
tblVehicleEF	LHD2	0.44	0.19
tblVehicleEF	LHD2	1.1260e-003	1.3110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.0770e-003	9.6270e-003
tblVehicleEF	LHD2	4.2100e-004	1.4200e-004
tblVehicleEF	LHD2	1.0770e-003	1.2540e-003
tblVehicleEF	LHD2	2.6710e-003	2.6560e-003
tblVehicleEF	LHD2	7.7140e-003	9.1940e-003
tblVehicleEF	LHD2	3.8700e-004	1.3100e-004
tblVehicleEF	LHD2	1.3970e-003	1.9420e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	8.8800e-004	1.1730e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.06	0.10
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	1.3300e-004	1.2800e-004
tblVehicleEF	LHD2	5.9000e-003	6.2020e-003
tblVehicleEF	LHD2	2.8100e-004	8.6000e-005
tblVehicleEF	LHD2	1.3970e-003	1.9420e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.8800e-004	1.1730e-003

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.06	0.10
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	3.5180e-003	3.5310e-003
tblVehicleEF	LHD2	3.4000e-003	3.2570e-003
tblVehicleEF	LHD2	6.6050e-003	9.2170e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.28	0.35
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.57	13.33
tblVehicleEF	LHD2	605.98	641.40
tblVehicleEF	LHD2	26.15	8.76
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.46	0.63
tblVehicleEF	LHD2	0.46	0.20
tblVehicleEF	LHD2	1.1260e-003	1.3110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.0770e-003	9.6270e-003
tblVehicleEF	LHD2	4.2100e-004	1.4200e-004
tblVehicleEF	LHD2	1.0770e-003	1.2540e-003
tblVehicleEF	LHD2	2.6710e-003	2.6560e-003
tblVehicleEF	LHD2	7.7140e-003	9.1940e-003
tblVehicleEF	LHD2	3.8700e-004	1.3100e-004
tblVehicleEF	LHD2	9.4200e-004	1.3290e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.1900e-004	8.1200e-004

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.07	0.11
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2800e-004
tblVehicleEF	LHD2	5.9000e-003	6.2020e-003
tblVehicleEF	LHD2	2.8200e-004	8.7000e-005
tblVehicleEF	LHD2	9.4200e-004	1.3290e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.1900e-004	8.1200e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.11
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	MCY	0.55	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.62	18.81
tblVehicleEF	MCY	9.70	8.58
tblVehicleEF	MCY	190.93	224.58
tblVehicleEF	MCY	43.78	58.99
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.5350e-003	2.5310e-003
tblVehicleEF	MCY	3.5080e-003	3.0390e-003
tblVehicleEF	MCY	2.3660e-003	2.3630e-003
tblVehicleEF	MCY	3.2930e-003	2.8530e-003
tblVehicleEF	MCY	1.05	1.07
tblVehicleEF	MCY	0.61	0.63

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	MCY	0.64	0.65
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.56	0.53
tblVehicleEF	MCY	2.03	1.80
tblVehicleEF	MCY	2.2930e-003	2.2220e-003
tblVehicleEF	MCY	6.5600e-004	5.8400e-004
tblVehicleEF	MCY	1.05	1.07
tblVehicleEF	MCY	0.61	0.63
tblVehicleEF	MCY	0.64	0.65
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.56	0.53
tblVehicleEF	MCY	2.21	1.96
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	17.96	18.14
tblVehicleEF	MCY	8.84	7.79
tblVehicleEF	MCY	190.93	223.30
tblVehicleEF	MCY	43.78	57.07
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.5350e-003	2.5310e-003
tblVehicleEF	MCY	3.5080e-003	3.0390e-003
tblVehicleEF	MCY	2.3660e-003	2.3630e-003
tblVehicleEF	MCY	3.2930e-003	2.8530e-003
tblVehicleEF	MCY	1.71	1.74
tblVehicleEF	MCY	0.67	0.70
tblVehicleEF	MCY	1.05	1.07

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.53	0.49
tblVehicleEF	MCY	1.81	1.60
tblVehicleEF	MCY	2.2810e-003	2.2100e-003
tblVehicleEF	MCY	6.3500e-004	5.6500e-004
tblVehicleEF	MCY	1.71	1.74
tblVehicleEF	MCY	0.67	0.70
tblVehicleEF	MCY	1.05	1.07
tblVehicleEF	MCY	3.18	3.19
tblVehicleEF	MCY	0.53	0.49
tblVehicleEF	MCY	1.97	1.74
tblVehicleEF	MCY	0.55	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.72	18.91
tblVehicleEF	MCY	9.85	8.72
tblVehicleEF	MCY	190.93	224.78
tblVehicleEF	MCY	43.78	59.34
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.5350e-003	2.5310e-003
tblVehicleEF	MCY	3.5080e-003	3.0390e-003
tblVehicleEF	MCY	2.3660e-003	2.3630e-003
tblVehicleEF	MCY	3.2930e-003	2.8530e-003
tblVehicleEF	MCY	1.15	1.17
tblVehicleEF	MCY	0.78	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	2.61	2.62

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	MCY	0.65	0.61
tblVehicleEF	MCY	2.07	1.84
tblVehicleEF	MCY	2.2950e-003	2.2240e-003
tblVehicleEF	MCY	6.5900e-004	5.8700e-004
tblVehicleEF	MCY	1.15	1.17
tblVehicleEF	MCY	0.78	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	3.26	3.27
tblVehicleEF	MCY	0.65	0.61
tblVehicleEF	MCY	2.25	2.00
tblVehicleEF	MDV	0.01	5.0130e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.10	0.99
tblVehicleEF	MDV	1.99	2.76
tblVehicleEF	MDV	481.40	399.25
tblVehicleEF	MDV	96.60	78.39
tblVehicleEF	MDV	0.12	0.08
tblVehicleEF	MDV	0.17	0.28
tblVehicleEF	MDV	2.2730e-003	1.8630e-003
tblVehicleEF	MDV	2.4250e-003	1.8230e-003
tblVehicleEF	MDV	2.0940e-003	1.7170e-003
tblVehicleEF	MDV	2.2300e-003	1.6760e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.08	0.05

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	MDV	0.15	0.32
tblVehicleEF	MDV	4.8190e-003	3.8680e-003
tblVehicleEF	MDV	1.0000e-003	7.6000e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.16	0.35
tblVehicleEF	MDV	0.01	5.3450e-003
tblVehicleEF	MDV	9.6010e-003	0.06
tblVehicleEF	MDV	1.21	1.08
tblVehicleEF	MDV	1.70	2.35
tblVehicleEF	MDV	502.45	411.21
tblVehicleEF	MDV	96.60	77.60
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.16	0.26
tblVehicleEF	MDV	2.2730e-003	1.8630e-003
tblVehicleEF	MDV	2.4250e-003	1.8230e-003
tblVehicleEF	MDV	2.0940e-003	1.7170e-003
tblVehicleEF	MDV	2.2300e-003	1.6760e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.13	0.29

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	MDV	5.0310e-003	3.9840e-003
tblVehicleEF	MDV	9.9500e-004	7.5200e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.14	0.32
tblVehicleEF	MDV	0.01	4.9100e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.06	0.95
tblVehicleEF	MDV	2.05	2.85
tblVehicleEF	MDV	473.66	394.87
tblVehicleEF	MDV	96.60	78.56
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.28
tblVehicleEF	MDV	2.2730e-003	1.8630e-003
tblVehicleEF	MDV	2.4250e-003	1.8230e-003
tblVehicleEF	MDV	2.0940e-003	1.7170e-003
tblVehicleEF	MDV	2.2300e-003	1.6760e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.10	0.06
tblVehicleEF	MDV	0.15	0.33
tblVehicleEF	MDV	4.7420e-003	3.8260e-003

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	MDV	1.0010e-003	7.6200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.06
tblVehicleEF	MDV	0.16	0.36
tblVehicleEF	MH	0.02	7.7820e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.43	0.83
tblVehicleEF	MH	4.82	1.95
tblVehicleEF	MH	1,126.11	1,449.51
tblVehicleEF	MH	59.42	18.34
tblVehicleEF	MH	0.93	1.02
tblVehicleEF	MH	0.71	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.8700e-004	2.5500e-004
tblVehicleEF	MH	3.2070e-003	3.2580e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.0800e-004	2.3400e-004
tblVehicleEF	MH	0.76	0.67
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.33	0.29
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.28	0.09

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7800e-004	1.8200e-004
tblVehicleEF	MH	0.76	0.67
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.33	0.29
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.30	0.10
tblVehicleEF	MH	0.02	7.9570e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.47	0.85
tblVehicleEF	MH	4.54	1.84
tblVehicleEF	MH	1,126.11	1,449.54
tblVehicleEF	MH	59.42	18.15
tblVehicleEF	MH	0.86	0.95
tblVehicleEF	MH	0.68	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.8700e-004	2.5500e-004
tblVehicleEF	MH	3.2070e-003	3.2580e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.0800e-004	2.3400e-004
tblVehicleEF	MH	1.12	0.99
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.47	0.42
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.01

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	MH	0.27	0.08
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7300e-004	1.8000e-004
tblVehicleEF	MH	1.12	0.99
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.47	0.42
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.29	0.09
tblVehicleEF	MH	0.02	7.7360e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.42	0.82
tblVehicleEF	MH	4.87	1.97
tblVehicleEF	MH	1,126.11	1,449.50
tblVehicleEF	MH	59.42	18.38
tblVehicleEF	MH	0.91	1.00
tblVehicleEF	MH	0.71	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.8700e-004	2.5500e-004
tblVehicleEF	MH	3.2070e-003	3.2580e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.0800e-004	2.3400e-004
tblVehicleEF	MH	0.85	0.74
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.34	0.29
tblVehicleEF	MH	0.06	0.05

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.28	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7900e-004	1.8200e-004
tblVehicleEF	MH	0.85	0.74
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.34	0.29
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.31	0.10
tblVehicleEF	MHD	0.02	4.3060e-003
tblVehicleEF	MHD	3.4980e-003	1.7930e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.35	0.40
tblVehicleEF	MHD	0.29	0.24
tblVehicleEF	MHD	5.13	1.26
tblVehicleEF	MHD	132.56	63.66
tblVehicleEF	MHD	1,140.29	1,012.78
tblVehicleEF	MHD	61.49	11.37
tblVehicleEF	MHD	0.35	0.34
tblVehicleEF	MHD	0.76	1.09
tblVehicleEF	MHD	10.11	1.60
tblVehicleEF	MHD	9.0000e-005	2.8100e-004
tblVehicleEF	MHD	2.8650e-003	6.1500e-003
tblVehicleEF	MHD	7.8500e-004	1.2700e-004
tblVehicleEF	MHD	8.6000e-005	2.6800e-004
tblVehicleEF	MHD	2.7360e-003	5.8770e-003

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	MHD	7.2200e-004	1.1700e-004
tblVehicleEF	MHD	9.8100e-004	5.6200e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.6900e-004	3.7700e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.2770e-003	6.0500e-004
tblVehicleEF	MHD	0.01	9.6820e-003
tblVehicleEF	MHD	7.0500e-004	1.1200e-004
tblVehicleEF	MHD	9.8100e-004	5.6200e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.6900e-004	3.7700e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.35	0.06
tblVehicleEF	MHD	0.01	4.0880e-003
tblVehicleEF	MHD	3.5450e-003	1.8300e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.26	0.33
tblVehicleEF	MHD	0.30	0.24
tblVehicleEF	MHD	4.87	1.20
tblVehicleEF	MHD	140.40	63.64
tblVehicleEF	MHD	1,140.29	1,012.78
tblVehicleEF	MHD	61.49	11.26

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	MHD	0.36	0.33
tblVehicleEF	MHD	0.71	1.02
tblVehicleEF	MHD	10.08	1.60
tblVehicleEF	MHD	7.6000e-005	2.3900e-004
tblVehicleEF	MHD	2.8650e-003	6.1500e-003
tblVehicleEF	MHD	7.8500e-004	1.2700e-004
tblVehicleEF	MHD	7.2000e-005	2.2900e-004
tblVehicleEF	MHD	2.7360e-003	5.8770e-003
tblVehicleEF	MHD	7.2200e-004	1.1700e-004
tblVehicleEF	MHD	1.4660e-003	8.4100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3700e-004	5.3000e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.30	0.06
tblVehicleEF	MHD	1.3510e-003	6.0500e-004
tblVehicleEF	MHD	0.01	9.6820e-003
tblVehicleEF	MHD	7.0000e-004	1.1100e-004
tblVehicleEF	MHD	1.4660e-003	8.4100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3700e-004	5.3000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.33	0.06
tblVehicleEF	MHD	0.02	4.6210e-003

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	MHD	3.4850e-003	1.7820e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.49	0.49
tblVehicleEF	MHD	0.29	0.24
tblVehicleEF	MHD	5.18	1.27
tblVehicleEF	MHD	121.72	63.67
tblVehicleEF	MHD	1,140.29	1,012.78
tblVehicleEF	MHD	61.49	11.39
tblVehicleEF	MHD	0.33	0.35
tblVehicleEF	MHD	0.74	1.07
tblVehicleEF	MHD	10.12	1.60
tblVehicleEF	MHD	1.0900e-004	3.3800e-004
tblVehicleEF	MHD	2.8650e-003	6.1500e-003
tblVehicleEF	MHD	7.8500e-004	1.2700e-004
tblVehicleEF	MHD	1.0500e-004	3.2300e-004
tblVehicleEF	MHD	2.7360e-003	5.8770e-003
tblVehicleEF	MHD	7.2200e-004	1.1700e-004
tblVehicleEF	MHD	9.9000e-004	5.7100e-004
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4900e-004	3.6600e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.1750e-003	6.0500e-004
tblVehicleEF	MHD	0.01	9.6810e-003
tblVehicleEF	MHD	7.0600e-004	1.1300e-004

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	MHD	9.9000e-004	5.7100e-004
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.4900e-004	3.6600e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.35	0.07
tblVehicleEF	OBUS	0.01	8.2790e-003
tblVehicleEF	OBUS	5.4840e-003	4.4590e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.62
tblVehicleEF	OBUS	0.41	0.55
tblVehicleEF	OBUS	4.93	2.26
tblVehicleEF	OBUS	102.93	91.55
tblVehicleEF	OBUS	1,248.17	1,334.72
tblVehicleEF	OBUS	67.50	18.55
tblVehicleEF	OBUS	0.22	0.36
tblVehicleEF	OBUS	0.71	1.18
tblVehicleEF	OBUS	2.50	0.85
tblVehicleEF	OBUS	2.0000e-005	1.2200e-004
tblVehicleEF	OBUS	2.7480e-003	7.3180e-003
tblVehicleEF	OBUS	8.4800e-004	2.0100e-004
tblVehicleEF	OBUS	1.9000e-005	1.1600e-004
tblVehicleEF	OBUS	2.6130e-003	6.9860e-003
tblVehicleEF	OBUS	7.8000e-004	1.8500e-004
tblVehicleEF	OBUS	1.3910e-003	1.8300e-003
tblVehicleEF	OBUS	0.02	0.02

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.6200e-004	9.5200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	0.31	0.11
tblVehicleEF	OBUS	9.9400e-004	8.7100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6100e-004	1.8400e-004
tblVehicleEF	OBUS	1.3910e-003	1.8300e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6200e-004	9.5200e-004
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	0.01	8.3680e-003
tblVehicleEF	OBUS	5.5780e-003	4.5570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.61
tblVehicleEF	OBUS	0.42	0.56
tblVehicleEF	OBUS	4.66	2.14
tblVehicleEF	OBUS	108.07	90.50
tblVehicleEF	OBUS	1,248.17	1,334.74
tblVehicleEF	OBUS	67.50	18.34
tblVehicleEF	OBUS	0.23	0.34
tblVehicleEF	OBUS	0.67	1.11
tblVehicleEF	OBUS	2.46	0.84

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	OBUS	1.7000e-005	1.0800e-004
tblVehicleEF	OBUS	2.7480e-003	7.3180e-003
tblVehicleEF	OBUS	8.4800e-004	2.0100e-004
tblVehicleEF	OBUS	1.6000e-005	1.0300e-004
tblVehicleEF	OBUS	2.6130e-003	6.9860e-003
tblVehicleEF	OBUS	7.8000e-004	1.8500e-004
tblVehicleEF	OBUS	2.0340e-003	2.6620e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.0660e-003	1.3290e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	0.30	0.10
tblVehicleEF	OBUS	1.0430e-003	8.6100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.5700e-004	1.8100e-004
tblVehicleEF	OBUS	2.0340e-003	2.6620e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0660e-003	1.3290e-003
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	0.01	8.1750e-003
tblVehicleEF	OBUS	5.4590e-003	4.4320e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.63

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	OBUS	0.41	0.55
tblVehicleEF	OBUS	4.98	2.29
tblVehicleEF	OBUS	95.85	93.01
tblVehicleEF	OBUS	1,248.17	1,334.71
tblVehicleEF	OBUS	67.50	18.60
tblVehicleEF	OBUS	0.21	0.38
tblVehicleEF	OBUS	0.70	1.16
tblVehicleEF	OBUS	2.50	0.85
tblVehicleEF	OBUS	2.4000e-005	1.4000e-004
tblVehicleEF	OBUS	2.7480e-003	7.3180e-003
tblVehicleEF	OBUS	8.4800e-004	2.0100e-004
tblVehicleEF	OBUS	2.3000e-005	1.3400e-004
tblVehicleEF	OBUS	2.6130e-003	6.9860e-003
tblVehicleEF	OBUS	7.8000e-004	1.8500e-004
tblVehicleEF	OBUS	1.4050e-003	1.8930e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.3700e-004	9.3100e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.04	0.08
tblVehicleEF	OBUS	0.31	0.11
tblVehicleEF	OBUS	9.2600e-004	8.8500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6200e-004	1.8400e-004
tblVehicleEF	OBUS	1.4050e-003	1.8930e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	OBUS	7.3700e-004	9.3100e-004
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	0.04	0.08
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	SBUS	0.83	0.08
tblVehicleEF	SBUS	0.01	6.3270e-003
tblVehicleEF	SBUS	0.06	6.7560e-003
tblVehicleEF	SBUS	8.41	3.07
tblVehicleEF	SBUS	0.61	0.53
tblVehicleEF	SBUS	7.01	0.92
tblVehicleEF	SBUS	1,089.91	350.83
tblVehicleEF	SBUS	1,062.27	1,077.28
tblVehicleEF	SBUS	57.76	5.70
tblVehicleEF	SBUS	7.82	2.99
tblVehicleEF	SBUS	3.46	4.30
tblVehicleEF	SBUS	11.58	0.99
tblVehicleEF	SBUS	7.0050e-003	3.3800e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.9100e-004	6.1000e-005
tblVehicleEF	SBUS	6.7020e-003	3.2330e-003
tblVehicleEF	SBUS	2.6490e-003	2.6600e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.1900e-004	5.6000e-005
tblVehicleEF	SBUS	3.4080e-003	1.0000e-003
tblVehicleEF	SBUS	0.03	8.7280e-003
tblVehicleEF	SBUS	1.00	0.35

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	SBUS	1.8930e-003	5.5100e-004
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.01	3.3500e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9900e-004	5.6000e-005
tblVehicleEF	SBUS	3.4080e-003	1.0000e-003
tblVehicleEF	SBUS	0.03	8.7280e-003
tblVehicleEF	SBUS	1.45	0.50
tblVehicleEF	SBUS	1.8930e-003	5.5100e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.41	0.04
tblVehicleEF	SBUS	0.83	0.08
tblVehicleEF	SBUS	0.01	6.3970e-003
tblVehicleEF	SBUS	0.05	6.0170e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.62	0.54
tblVehicleEF	SBUS	5.69	0.75
tblVehicleEF	SBUS	1,137.73	357.66
tblVehicleEF	SBUS	1,062.27	1,077.29
tblVehicleEF	SBUS	57.76	5.42
tblVehicleEF	SBUS	8.07	3.05
tblVehicleEF	SBUS	3.26	4.05
tblVehicleEF	SBUS	11.55	0.98
tblVehicleEF	SBUS	5.9050e-003	2.8570e-003

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.9100e-004	6.1000e-005
tblVehicleEF	SBUS	5.6500e-003	2.7340e-003
tblVehicleEF	SBUS	2.6490e-003	2.6600e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.1900e-004	5.6000e-005
tblVehicleEF	SBUS	5.0090e-003	1.4560e-003
tblVehicleEF	SBUS	0.03	8.8720e-003
tblVehicleEF	SBUS	1.00	0.35
tblVehicleEF	SBUS	2.6560e-003	7.6500e-004
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.03
tblVehicleEF	SBUS	0.01	3.4140e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.4000e-005
tblVehicleEF	SBUS	5.0090e-003	1.4560e-003
tblVehicleEF	SBUS	0.03	8.8720e-003
tblVehicleEF	SBUS	1.44	0.50
tblVehicleEF	SBUS	2.6560e-003	7.6500e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.36	0.04
tblVehicleEF	SBUS	0.83	0.08
tblVehicleEF	SBUS	0.01	6.3070e-003
tblVehicleEF	SBUS	0.06	6.9190e-003

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	SBUS	8.54	3.12
tblVehicleEF	SBUS	0.61	0.53
tblVehicleEF	SBUS	7.24	0.95
tblVehicleEF	SBUS	1,023.86	341.40
tblVehicleEF	SBUS	1,062.27	1,077.27
tblVehicleEF	SBUS	57.76	5.75
tblVehicleEF	SBUS	7.48	2.92
tblVehicleEF	SBUS	3.40	4.22
tblVehicleEF	SBUS	11.58	0.99
tblVehicleEF	SBUS	8.5240e-003	4.1010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.9100e-004	6.1000e-005
tblVehicleEF	SBUS	8.1550e-003	3.9240e-003
tblVehicleEF	SBUS	2.6490e-003	2.6600e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.1900e-004	5.6000e-005
tblVehicleEF	SBUS	3.3910e-003	9.9800e-004
tblVehicleEF	SBUS	0.03	9.0730e-003
tblVehicleEF	SBUS	1.00	0.35
tblVehicleEF	SBUS	1.8130e-003	5.2700e-004
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.2610e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.0300e-004	5.7000e-005

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	SBUS	3.3910e-003	9.9800e-004
tblVehicleEF	SBUS	0.03	9.0730e-003
tblVehicleEF	SBUS	1.45	0.50
tblVehicleEF	SBUS	1.8130e-003	5.2700e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	UBUS	2.28	5.81
tblVehicleEF	UBUS	0.05	9.6380e-003
tblVehicleEF	UBUS	10.20	45.15
tblVehicleEF	UBUS	8.89	0.71
tblVehicleEF	UBUS	1,934.49	1,977.77
tblVehicleEF	UBUS	104.15	7.97
tblVehicleEF	UBUS	8.69	0.47
tblVehicleEF	UBUS	14.82	0.07
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.12	3.2640e-003
tblVehicleEF	UBUS	1.1960e-003	7.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.11	3.1180e-003
tblVehicleEF	UBUS	1.1000e-003	6.5000e-005
tblVehicleEF	UBUS	4.1520e-003	3.8700e-004
tblVehicleEF	UBUS	0.07	4.8000e-003
tblVehicleEF	UBUS	2.4690e-003	2.9400e-004
tblVehicleEF	UBUS	0.74	0.08

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	UBUS	0.02	1.1400e-003
tblVehicleEF	UBUS	0.69	0.04
tblVehicleEF	UBUS	9.7410e-003	1.4130e-003
tblVehicleEF	UBUS	1.2020e-003	7.9000e-005
tblVehicleEF	UBUS	4.1520e-003	3.8700e-004
tblVehicleEF	UBUS	0.07	4.8000e-003
tblVehicleEF	UBUS	2.4690e-003	2.9400e-004
tblVehicleEF	UBUS	3.11	5.93
tblVehicleEF	UBUS	0.02	1.1400e-003
tblVehicleEF	UBUS	0.76	0.05
tblVehicleEF	UBUS	2.29	5.81
tblVehicleEF	UBUS	0.05	8.9540e-003
tblVehicleEF	UBUS	10.25	45.15
tblVehicleEF	UBUS	7.71	0.62
tblVehicleEF	UBUS	1,934.49	1,977.77
tblVehicleEF	UBUS	104.15	7.82
tblVehicleEF	UBUS	8.19	0.47
tblVehicleEF	UBUS	14.77	0.07
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.12	3.2640e-003
tblVehicleEF	UBUS	1.1960e-003	7.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.11	3.1180e-003
tblVehicleEF	UBUS	1.1000e-003	6.5000e-005
tblVehicleEF	UBUS	5.9260e-003	5.6700e-004

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	UBUS	0.07	5.0050e-003
tblVehicleEF	UBUS	3.3920e-003	4.1600e-004
tblVehicleEF	UBUS	0.75	0.08
tblVehicleEF	UBUS	0.02	1.0340e-003
tblVehicleEF	UBUS	0.64	0.04
tblVehicleEF	UBUS	9.7420e-003	1.4130e-003
tblVehicleEF	UBUS	1.1820e-003	7.7000e-005
tblVehicleEF	UBUS	5.9260e-003	5.6700e-004
tblVehicleEF	UBUS	0.07	5.0050e-003
tblVehicleEF	UBUS	3.3920e-003	4.1600e-004
tblVehicleEF	UBUS	3.12	5.93
tblVehicleEF	UBUS	0.02	1.0340e-003
tblVehicleEF	UBUS	0.70	0.04
tblVehicleEF	UBUS	2.28	5.81
tblVehicleEF	UBUS	0.05	9.7890e-003
tblVehicleEF	UBUS	10.19	45.15
tblVehicleEF	UBUS	9.10	0.72
tblVehicleEF	UBUS	1,934.49	1,977.77
tblVehicleEF	UBUS	104.15	8.00
tblVehicleEF	UBUS	8.53	0.47
tblVehicleEF	UBUS	14.83	0.07
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.12	3.2640e-003
tblVehicleEF	UBUS	1.1960e-003	7.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003

Long Beach Water Well - Los Angeles-South Coast County, Annual

tblVehicleEF	UBUS	0.11	3.1180e-003
tblVehicleEF	UBUS	1.1000e-003	6.5000e-005
tblVehicleEF	UBUS	4.6510e-003	3.9100e-004
tblVehicleEF	UBUS	0.08	5.2240e-003
tblVehicleEF	UBUS	2.5600e-003	2.8300e-004
tblVehicleEF	UBUS	0.74	0.08
tblVehicleEF	UBUS	0.03	1.3890e-003
tblVehicleEF	UBUS	0.71	0.04
tblVehicleEF	UBUS	9.7410e-003	1.4130e-003
tblVehicleEF	UBUS	1.2060e-003	7.9000e-005
tblVehicleEF	UBUS	4.6510e-003	3.9100e-004
tblVehicleEF	UBUS	0.08	5.2240e-003
tblVehicleEF	UBUS	2.5600e-003	2.8300e-004
tblVehicleEF	UBUS	3.10	5.93
tblVehicleEF	UBUS	0.03	1.3890e-003
tblVehicleEF	UBUS	0.77	0.05
tblVehicleTrips	ST_TR	1.68	44.57
tblVehicleTrips	SU_TR	1.68	44.57
tblVehicleTrips	WD_TR	1.68	44.57
tblWater	IndoorWaterUseRate	182,687.50	0.00

2.0 Emissions Summary

Long Beach Water Well - Los Angeles-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	1.0132	1.0132
2	4-3-2022	7-2-2022	0.5882	0.5882
6	4-3-2023	7-2-2023	0.4495	0.4495
7	7-3-2023	9-30-2023	0.3946	0.3946
		Highest	1.0132	1.0132

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	3.0200e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	3.0000e-005	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	492.2647	492.2647	0.0000	0.0000	492.2649
Mobile	0.0116	0.0367	0.1855	5.8000e-004	0.0571	4.4000e-004	0.0575	0.0153	4.2000e-004	0.0157	0.0000	55.2677	55.2677	3.5900e-003	0.0000	55.3574
Stationary	6.0700e-003	0.0170	0.0155	3.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	2.8149	2.8149	3.9000e-004	0.0000	2.8247
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0206	0.0537	0.2010	6.1000e-004	0.0571	1.3300e-003	0.0584	0.0153	1.3100e-003	0.0166	0.0000	550.3472	550.3472	3.9800e-003	0.0000	550.4470

Long Beach Water Well - Los Angeles-South Coast County, Annual

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	3.0200e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	2.0000e-005	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	492.2170	492.2170	0.0000	0.0000	492.2172
Mobile	0.0116	0.0367	0.1855	5.8000e-004	0.0571	4.4000e-004	0.0575	0.0153	4.2000e-004	0.0157	0.0000	55.2677	55.2677	3.5900e-003	0.0000	55.3574
Stationary	6.0700e-003	0.0170	0.0155	3.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	2.8149	2.8149	3.9000e-004	0.0000	2.8247
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0206	0.0537	0.2010	6.1000e-004	0.0571	1.3300e-003	0.0584	0.0153	1.3100e-003	0.0166	0.0000	550.2996	550.2996	3.9800e-003	0.0000	550.3993

	ROG	NOx	CO	SO2	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	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01

3.0 Construction Detail

Construction Phase

Long Beach Water Well - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/3/2022	1/16/2022	5	10	
2	Paving	Paving	1/3/2022	1/16/2022	5	10	
3	Well Drilling	Building Construction	1/17/2022	5/17/2022	5	87	
4	Pipeline Trenching	Trenching	5/22/2023	6/18/2023	5	20	
5	Treatment Plant Construction	Building Construction	5/22/2023	11/22/2023	5	133	
6	Treatment Plant Architectural Coating	Architectural Coating	11/22/2023	11/28/2023	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,178; Non-Residential Outdoor: 393; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Well Drilling	Bore/Drill Rigs	1	24.00	221	0.50
Well Drilling	Cranes	1	8.00	231	0.29
Well Drilling	Forklifts	1	24.00	89	0.20
Well Drilling	Pavers	1	8.00	130	0.42
Well Drilling	Paving Equipment	1	8.00	132	0.36
Well Drilling	Pumps	1	24.00	84	0.74

Long Beach Water Well - Los Angeles-South Coast County, Annual

Well Drilling	Rollers	1	8.00	80	0.38
Well Drilling	Skid Steer Loaders	1	24.00	65	0.37
Well Drilling	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	0	7.00	130	0.42
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pipeline Trenching	Cranes	1	8.00	231	0.29
Pipeline Trenching	Excavators	1	8.00	158	0.38
Pipeline Trenching	Pumps	3	8.00	84	0.74
Pipeline Trenching	Rollers	1	8.00	80	0.38
Pipeline Trenching	Rubber Tired Dozers	1	8.00	247	0.40
Pipeline Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Treatment Plant Construction	Cranes	1	8.00	231	0.29
Treatment Plant Construction	Forklifts	2	6.00	89	0.20
Treatment Plant Construction	Pumps	1	8.00	84	0.74
Treatment Plant Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Treatment Plant Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Long Beach Water Well - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Well Drilling	9	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pipeline Trenching	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Treatment Plant Construction	6	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Treatment Plant Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0100e-003	8.8800e-003	0.0163	3.0000e-005		4.3000e-004	4.3000e-004		4.0000e-004	4.0000e-004	0.0000	2.2680	2.2680	7.3000e-004	0.0000	2.2864
Total	1.0100e-003	8.8800e-003	0.0163	3.0000e-005	0.0000	4.3000e-004	4.3000e-004	0.0000	4.0000e-004	4.0000e-004	0.0000	2.2680	2.2680	7.3000e-004	0.0000	2.2864

Long Beach Water Well - Los Angeles-South Coast County, Annual

3.2 Grading - 2022

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	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1431	0.1431	0.0000	0.0000	0.1432
Total	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1431	0.1431	0.0000	0.0000	0.1432

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0100e-003	8.8800e-003	0.0163	3.0000e-005		4.3000e-004	4.3000e-004		4.0000e-004	4.0000e-004	0.0000	2.2680	2.2680	7.3000e-004	0.0000	2.2864
Total	1.0100e-003	8.8800e-003	0.0163	3.0000e-005	0.0000	4.3000e-004	4.3000e-004	0.0000	4.0000e-004	4.0000e-004	0.0000	2.2680	2.2680	7.3000e-004	0.0000	2.2864

Long Beach Water Well - Los Angeles-South Coast County, Annual

3.2 Grading - 2022

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	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1431	0.1431	0.0000	0.0000	0.1432
Total	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1431	0.1431	0.0000	0.0000	0.1432

3.3 Paving - 2022

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	8.2000e-004	8.3800e-003	0.0112	2.0000e-005		4.5000e-004	4.5000e-004		4.1000e-004	4.1000e-004	0.0000	1.3664	1.3664	4.4000e-004	0.0000	1.3774
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.2000e-004	8.3800e-003	0.0112	2.0000e-005		4.5000e-004	4.5000e-004		4.1000e-004	4.1000e-004	0.0000	1.3664	1.3664	4.4000e-004	0.0000	1.3774

Long Beach Water Well - Los Angeles-South Coast County, Annual

3.3 Paving - 2022

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	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1431	0.1431	0.0000	0.0000	0.1432
Total	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1431	0.1431	0.0000	0.0000	0.1432

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	8.2000e-004	8.3800e-003	0.0112	2.0000e-005		4.5000e-004	4.5000e-004		4.1000e-004	4.1000e-004	0.0000	1.3664	1.3664	4.4000e-004	0.0000	1.3774
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.2000e-004	8.3800e-003	0.0112	2.0000e-005		4.5000e-004	4.5000e-004		4.1000e-004	4.1000e-004	0.0000	1.3664	1.3664	4.4000e-004	0.0000	1.3774

Long Beach Water Well - Los Angeles-South Coast County, Annual

3.3 Paving - 2022

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	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1431	0.1431	0.0000	0.0000	0.1432
Total	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1431	0.1431	0.0000	0.0000	0.1432

3.4 Well Drilling - 2022

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	0.1465	1.4389	1.5818	3.4400e-003		0.0673	0.0673		0.0635	0.0635	0.0000	300.6632	300.6632	0.0772	0.0000	302.5919
Total	0.1465	1.4389	1.5818	3.4400e-003		0.0673	0.0673		0.0635	0.0635	0.0000	300.6632	300.6632	0.0772	0.0000	302.5919

Long Beach Water Well - Los Angeles-South Coast County, Annual

3.4 Well Drilling - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0400e-003	3.0300e-003	0.0349	1.1000e-004	0.0110	9.0000e-005	0.0111	2.9100e-003	8.0000e-005	2.9900e-003	0.0000	9.5463	9.5463	2.6000e-004	0.0000	9.5529
Total	4.0400e-003	3.0300e-003	0.0349	1.1000e-004	0.0110	9.0000e-005	0.0111	2.9100e-003	8.0000e-005	2.9900e-003	0.0000	9.5463	9.5463	2.6000e-004	0.0000	9.5529

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	0.1465	1.4389	1.5818	3.4400e-003		0.0673	0.0673		0.0635	0.0635	0.0000	300.6628	300.6628	0.0772	0.0000	302.5915
Total	0.1465	1.4389	1.5818	3.4400e-003		0.0673	0.0673		0.0635	0.0635	0.0000	300.6628	300.6628	0.0772	0.0000	302.5915

Long Beach Water Well - Los Angeles-South Coast County, Annual

3.4 Well Drilling - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0400e-003	3.0300e-003	0.0349	1.1000e-004	0.0110	9.0000e-005	0.0111	2.9100e-003	8.0000e-005	2.9900e-003	0.0000	9.5463	9.5463	2.6000e-004	0.0000	9.5529
Total	4.0400e-003	3.0300e-003	0.0349	1.1000e-004	0.0110	9.0000e-005	0.0111	2.9100e-003	8.0000e-005	2.9900e-003	0.0000	9.5463	9.5463	2.6000e-004	0.0000	9.5529

3.5 Pipeline Trenching - 2023

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	0.2390	0.2346	4.5000e-004		0.0113	0.0113		0.0107	0.0107	0.0000	39.1061	39.1061	7.9400e-003	0.0000	39.3046
Total	0.0251	0.2390	0.2346	4.5000e-004		0.0113	0.0113		0.0107	0.0107	0.0000	39.1061	39.1061	7.9400e-003	0.0000	39.3046

Long Beach Water Well - Los Angeles-South Coast County, Annual

3.5 Pipeline Trenching - 2023

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	7.6000e-004	5.5000e-004	6.4100e-003	2.0000e-005	2.1900e-003	2.0000e-005	2.2100e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	1.8385	1.8385	5.0000e-005	0.0000	1.8397
Total	7.6000e-004	5.5000e-004	6.4100e-003	2.0000e-005	2.1900e-003	2.0000e-005	2.2100e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	1.8385	1.8385	5.0000e-005	0.0000	1.8397

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	0.2390	0.2346	4.5000e-004		0.0113	0.0113		0.0107	0.0107	0.0000	39.1061	39.1061	7.9400e-003	0.0000	39.3046
Total	0.0251	0.2390	0.2346	4.5000e-004		0.0113	0.0113		0.0107	0.0107	0.0000	39.1061	39.1061	7.9400e-003	0.0000	39.3046

Long Beach Water Well - Los Angeles-South Coast County, Annual

3.5 Pipeline Trenching - 2023

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	7.6000e-004	5.5000e-004	6.4100e-003	2.0000e-005	2.1900e-003	2.0000e-005	2.2100e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	1.8385	1.8385	5.0000e-005	0.0000	1.8397
Total	7.6000e-004	5.5000e-004	6.4100e-003	2.0000e-005	2.1900e-003	2.0000e-005	2.2100e-003	5.8000e-004	2.0000e-005	6.0000e-004	0.0000	1.8385	1.8385	5.0000e-005	0.0000	1.8397

3.6 Treatment Plant Construction - 2023

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	0.0755	0.7368	0.7807	1.3900e-003		0.0356	0.0356		0.0334	0.0334	0.0000	121.0811	121.0811	0.0287	0.0000	121.7992
Total	0.0755	0.7368	0.7807	1.3900e-003		0.0356	0.0356		0.0334	0.0334	0.0000	121.0811	121.0811	0.0287	0.0000	121.7992

Long Beach Water Well - Los Angeles-South Coast County, Annual

3.6 Treatment Plant Construction - 2023

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	2.5200e-003	1.8200e-003	0.0213	7.0000e-005	7.2900e-003	6.0000e-005	7.3400e-003	1.9400e-003	5.0000e-005	1.9900e-003	0.0000	6.1129	6.1129	1.6000e-004	0.0000	6.1169
Total	2.5200e-003	1.8200e-003	0.0213	7.0000e-005	7.2900e-003	6.0000e-005	7.3400e-003	1.9400e-003	5.0000e-005	1.9900e-003	0.0000	6.1129	6.1129	1.6000e-004	0.0000	6.1169

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	0.0755	0.7368	0.7807	1.3900e-003		0.0356	0.0356		0.0334	0.0334	0.0000	121.0809	121.0809	0.0287	0.0000	121.7990
Total	0.0755	0.7368	0.7807	1.3900e-003		0.0356	0.0356		0.0334	0.0334	0.0000	121.0809	121.0809	0.0287	0.0000	121.7990

Long Beach Water Well - Los Angeles-South Coast County, Annual

3.6 Treatment Plant Construction - 2023

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	2.5200e-003	1.8200e-003	0.0213	7.0000e-005	7.2900e-003	6.0000e-005	7.3400e-003	1.9400e-003	5.0000e-005	1.9900e-003	0.0000	6.1129	6.1129	1.6000e-004	0.0000	6.1169
Total	2.5200e-003	1.8200e-003	0.0213	7.0000e-005	7.2900e-003	6.0000e-005	7.3400e-003	1.9400e-003	5.0000e-005	1.9900e-003	0.0000	6.1129	6.1129	1.6000e-004	0.0000	6.1169

3.7 Treatment Plant Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.6400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4000e-004	4.3400e-003	6.0400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.8511	0.8511	5.0000e-005	0.0000	0.8524
Total	4.2800e-003	4.3400e-003	6.0400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.8511	0.8511	5.0000e-005	0.0000	0.8524

Long Beach Water Well - Los Angeles-South Coast County, Annual

3.7 Treatment Plant Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.4000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0689	0.0689	0.0000	0.0000	0.0690
Total	3.0000e-005	2.0000e-005	2.4000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0689	0.0689	0.0000	0.0000	0.0690

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.6400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4000e-004	4.3400e-003	6.0400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.8511	0.8511	5.0000e-005	0.0000	0.8524
Total	4.2800e-003	4.3400e-003	6.0400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.8511	0.8511	5.0000e-005	0.0000	0.8524

Long Beach Water Well - Los Angeles-South Coast County, Annual

3.7 Treatment Plant Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.4000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0689	0.0689	0.0000	0.0000	0.0690
Total	3.0000e-005	2.0000e-005	2.4000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0689	0.0689	0.0000	0.0000	0.0690

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Long Beach Water Well - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0116	0.0367	0.1855	5.8000e-004	0.0571	4.4000e-004	0.0575	0.0153	4.2000e-004	0.0157	0.0000	55.2677	55.2677	3.5900e-003	0.0000	55.3574
Unmitigated	0.0116	0.0367	0.1855	5.8000e-004	0.0571	4.4000e-004	0.0575	0.0153	4.2000e-004	0.0157	0.0000	55.2677	55.2677	3.5900e-003	0.0000	55.3574

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	35.21	35.21	35.21	150,901	150,901
Total	35.21	35.21	35.21	150,901	150,901

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
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Long Beach Water Well - Los Angeles-South Coast County, Annual

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	492.1911	492.1911	0.0000	0.0000	492.1911
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	492.2282	492.2282	0.0000	0.0000	492.2282
NaturalGas Mitigated	0.0000	2.0000e-005	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0259	0.0259	0.0000	0.0000	0.0261
NaturalGas Unmitigated	0.0000	3.0000e-005	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0365	0.0365	0.0000	0.0000	0.0367

Long Beach Water Well - Los Angeles-South Coast County, Annual

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					
Unrefrigerated Warehouse-No Rail	683.298	0.0000	3.0000e-005	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0365	0.0365	0.0000	0.0000	0.0367
Total		0.0000	3.0000e-005	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0365	0.0365	0.0000	0.0000	0.0367

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					
Unrefrigerated Warehouse-No Rail	485.377	0.0000	2.0000e-005	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0259	0.0259	0.0000	0.0000	0.0261
Total		0.0000	2.0000e-005	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0259	0.0259	0.0000	0.0000	0.0261

Long Beach Water Well - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	2.03217e+006	492.2282	0.0000	0.0000	492.2282
Total		492.2282	0.0000	0.0000	492.2282

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	2.03201e+006	492.1911	0.0000	0.0000	492.1911
Total		492.1911	0.0000	0.0000	492.1911

6.0 Area Detail

6.1 Mitigation Measures Area

Long Beach Water Well - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.0200e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Unmitigated	3.0200e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

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	1.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.8400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	3.0200e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

Long Beach Water Well - Los Angeles-South Coast County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.8400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	3.0200e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

Long Beach Water Well - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Long Beach Water Well - Los Angeles-South Coast County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Long Beach Water Well - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Long Beach Water Well - Los Angeles-South Coast County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	24	308.311	0.73	Diesel

Boilers

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

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (300 - 600 HP)	6.0700e-003	0.0170	0.0155	3.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	2.8149	2.8149	3.9000e-004	0.0000	2.8247
Total	6.0700e-003	0.0170	0.0155	3.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	2.8149	2.8149	3.9000e-004	0.0000	2.8247

11.0 Vegetation

Long Beach Water Well - Los Angeles-South Coast County, Summer

Long Beach Water Well
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	0.79	1000sqft	0.02	785.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	534	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Long Beach Water Well - Los Angeles-South Coast County, Summer

Project Characteristics - SCE 2019 Sustainability Report

Land Use -

Construction Phase - per construction questionnaire

Off-road Equipment -

Off-road Equipment - per construction questionnaire

Off-road Equipment - per construction questionnaire

Off-road Equipment - estimated based on a water well project

Off-road Equipment - estimated based on a water well project

Off-road Equipment - estimated based on a water well project

Off-road Equipment - per construction questionnaire

Trips and VMT - assume 1.25 workers/2.5 trips per equipment

Grading -

Architectural Coating - SCAQMD Rule 1113

Vehicle Trips - per traffic study

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Area Coating - SCAQMD Rule 1113

Energy Use - account for on-site equipment

Water And Wastewater - utility doesn't consume water

Solid Waste - utility doesn't generate solid waste

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Energy Mitigation - 2019 Title 24 30% more efficient than 2016 Title 24

Operational Off-Road Equipment -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Long Beach Water Well - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	87.00
tblConstructionPhase	NumDays	100.00	133.00
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	NumDays	5.00	10.00
tblEnergyUse	NT24E	1.34	2,584.87
tblLandUse	LandUseSquareFeet	790.00	785.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	24.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblSolidWaste	SolidWasteGenerationRate	0.74	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	308.31
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	24.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	0.00	23.00
tblTripsAndVMT	WorkerTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	3.00
tblVehicleEF	HHD	0.47	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.07	0.00
tblVehicleEF	HHD	1.60	6.80
tblVehicleEF	HHD	1.08	0.47
tblVehicleEF	HHD	3.29	8.5660e-003
tblVehicleEF	HHD	4,415.48	1,123.52
tblVehicleEF	HHD	1,567.39	1,374.48
tblVehicleEF	HHD	10.70	0.08
tblVehicleEF	HHD	13.98	5.77
tblVehicleEF	HHD	2.11	2.71
tblVehicleEF	HHD	19.48	2.35
tblVehicleEF	HHD	8.9530e-003	3.0540e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	6.2770e-003	0.02
tblVehicleEF	HHD	9.2000e-005	1.0000e-006
tblVehicleEF	HHD	8.5660e-003	2.9220e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8420e-003	8.8990e-003

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	6.0050e-003	0.02
tblVehicleEF	HHD	8.5000e-005	1.0000e-006
tblVehicleEF	HHD	9.9000e-005	5.0000e-006
tblVehicleEF	HHD	4.3090e-003	1.9100e-004
tblVehicleEF	HHD	0.41	0.46
tblVehicleEF	HHD	7.6000e-005	3.0000e-006
tblVehicleEF	HHD	0.09	0.02
tblVehicleEF	HHD	3.5500e-004	8.1000e-005
tblVehicleEF	HHD	0.07	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.6100e-004	1.0000e-006
tblVehicleEF	HHD	9.9000e-005	5.0000e-006
tblVehicleEF	HHD	4.3090e-003	1.9100e-004
tblVehicleEF	HHD	0.48	0.53
tblVehicleEF	HHD	7.6000e-005	3.0000e-006
tblVehicleEF	HHD	0.20	0.11
tblVehicleEF	HHD	3.5500e-004	8.1000e-005
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.44	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	1.17	6.70
tblVehicleEF	HHD	1.08	0.47
tblVehicleEF	HHD	3.12	8.1330e-003
tblVehicleEF	HHD	4,677.81	1,110.61
tblVehicleEF	HHD	1,567.39	1,374.48

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	10.70	0.08
tblVehicleEF	HHD	14.43	5.51
tblVehicleEF	HHD	2.00	2.56
tblVehicleEF	HHD	19.47	2.35
tblVehicleEF	HHD	7.5480e-003	2.6640e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	6.2770e-003	0.02
tblVehicleEF	HHD	9.2000e-005	1.0000e-006
tblVehicleEF	HHD	7.2220e-003	2.5490e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8420e-003	8.8990e-003
tblVehicleEF	HHD	6.0050e-003	0.02
tblVehicleEF	HHD	8.5000e-005	1.0000e-006
tblVehicleEF	HHD	1.5000e-004	8.0000e-006
tblVehicleEF	HHD	4.4160e-003	1.9500e-004
tblVehicleEF	HHD	0.38	0.49
tblVehicleEF	HHD	1.0700e-004	5.0000e-006
tblVehicleEF	HHD	0.09	0.02
tblVehicleEF	HHD	3.4300e-004	8.0000e-005
tblVehicleEF	HHD	0.07	2.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.5800e-004	1.0000e-006
tblVehicleEF	HHD	1.5000e-004	8.0000e-006
tblVehicleEF	HHD	4.4160e-003	1.9500e-004
tblVehicleEF	HHD	0.45	0.56

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	1.0700e-004	5.0000e-006
tblVehicleEF	HHD	0.20	0.11
tblVehicleEF	HHD	3.4300e-004	8.0000e-005
tblVehicleEF	HHD	0.07	3.0000e-006
tblVehicleEF	HHD	0.50	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.07	0.00
tblVehicleEF	HHD	2.21	6.93
tblVehicleEF	HHD	1.08	0.47
tblVehicleEF	HHD	3.32	8.6490e-003
tblVehicleEF	HHD	4,053.22	1,141.34
tblVehicleEF	HHD	1,567.39	1,374.48
tblVehicleEF	HHD	10.70	0.08
tblVehicleEF	HHD	13.36	6.13
tblVehicleEF	HHD	2.08	2.66
tblVehicleEF	HHD	19.48	2.35
tblVehicleEF	HHD	0.01	3.5930e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	6.2770e-003	0.02
tblVehicleEF	HHD	9.2000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.4380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8420e-003	8.8990e-003
tblVehicleEF	HHD	6.0050e-003	0.02
tblVehicleEF	HHD	8.5000e-005	1.0000e-006
tblVehicleEF	HHD	9.6000e-005	5.0000e-006

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	4.5590e-003	2.1500e-004
tblVehicleEF	HHD	0.44	0.42
tblVehicleEF	HHD	7.3000e-005	3.0000e-006
tblVehicleEF	HHD	0.09	0.02
tblVehicleEF	HHD	3.8700e-004	8.7000e-005
tblVehicleEF	HHD	0.07	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.6100e-004	1.0000e-006
tblVehicleEF	HHD	9.6000e-005	5.0000e-006
tblVehicleEF	HHD	4.5590e-003	2.1500e-004
tblVehicleEF	HHD	0.52	0.49
tblVehicleEF	HHD	7.3000e-005	3.0000e-006
tblVehicleEF	HHD	0.20	0.11
tblVehicleEF	HHD	3.8700e-004	8.7000e-005
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	LDA	4.4230e-003	2.3690e-003
tblVehicleEF	LDA	4.1600e-003	0.04
tblVehicleEF	LDA	0.57	0.63
tblVehicleEF	LDA	0.95	1.97
tblVehicleEF	LDA	253.91	260.36
tblVehicleEF	LDA	52.79	51.07
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.16
tblVehicleEF	LDA	2.0900e-003	1.6530e-003
tblVehicleEF	LDA	2.2190e-003	1.6920e-003
tblVehicleEF	LDA	1.9260e-003	1.5220e-003

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	2.0400e-003	1.5550e-003
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	9.0030e-003
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.5430e-003	2.5240e-003
tblVehicleEF	LDA	5.4400e-004	4.9500e-004
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	4.7040e-003	2.5390e-003
tblVehicleEF	LDA	3.7040e-003	0.04
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	0.81	1.68
tblVehicleEF	LDA	265.72	272.17
tblVehicleEF	LDA	52.79	50.54
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.15
tblVehicleEF	LDA	2.0900e-003	1.6530e-003
tblVehicleEF	LDA	2.2190e-003	1.6920e-003
tblVehicleEF	LDA	1.9260e-003	1.5220e-003
tblVehicleEF	LDA	2.0400e-003	1.5550e-003

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	9.5660e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.05	0.17
tblVehicleEF	LDA	2.6610e-003	2.6380e-003
tblVehicleEF	LDA	5.4100e-004	4.9000e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.05	0.18
tblVehicleEF	LDA	4.3320e-003	2.3180e-003
tblVehicleEF	LDA	4.2560e-003	0.04
tblVehicleEF	LDA	0.55	0.60
tblVehicleEF	LDA	0.98	2.03
tblVehicleEF	LDA	249.59	256.04
tblVehicleEF	LDA	52.79	51.19
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.16
tblVehicleEF	LDA	2.0900e-003	1.6530e-003
tblVehicleEF	LDA	2.2190e-003	1.6920e-003
tblVehicleEF	LDA	1.9260e-003	1.5220e-003
tblVehicleEF	LDA	2.0400e-003	1.5550e-003
tblVehicleEF	LDA	0.03	0.04

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	8.8210e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.4990e-003	2.4820e-003
tblVehicleEF	LDA	5.4400e-004	4.9600e-004
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDT1	0.01	5.9830e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.40	1.19
tblVehicleEF	LDT1	2.25	2.11
tblVehicleEF	LDT1	322.00	308.26
tblVehicleEF	LDT1	65.45	60.91
tblVehicleEF	LDT1	0.13	0.09
tblVehicleEF	LDT1	0.13	0.22
tblVehicleEF	LDT1	3.2340e-003	2.3520e-003
tblVehicleEF	LDT1	3.1500e-003	2.2950e-003
tblVehicleEF	LDT1	2.9770e-003	2.1650e-003
tblVehicleEF	LDT1	2.8970e-003	2.1110e-003
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.23	0.17

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.16	0.08
tblVehicleEF	LDT1	0.15	0.29
tblVehicleEF	LDT1	3.2370e-003	2.9890e-003
tblVehicleEF	LDT1	6.9400e-004	5.9000e-004
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.16	0.08
tblVehicleEF	LDT1	0.16	0.32
tblVehicleEF	LDT1	0.01	6.3550e-003
tblVehicleEF	LDT1	9.8770e-003	0.05
tblVehicleEF	LDT1	1.52	1.29
tblVehicleEF	LDT1	1.91	1.80
tblVehicleEF	LDT1	336.08	320.19
tblVehicleEF	LDT1	65.45	60.29
tblVehicleEF	LDT1	0.11	0.08
tblVehicleEF	LDT1	0.12	0.20
tblVehicleEF	LDT1	3.2340e-003	2.3520e-003
tblVehicleEF	LDT1	3.1500e-003	2.2950e-003
tblVehicleEF	LDT1	2.9770e-003	2.1650e-003
tblVehicleEF	LDT1	2.8970e-003	2.1110e-003
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.24	0.18
tblVehicleEF	LDT1	0.13	0.13

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.13	0.26
tblVehicleEF	LDT1	3.3800e-003	3.1040e-003
tblVehicleEF	LDT1	6.8800e-004	5.8500e-004
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.24	0.18
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.15	0.28
tblVehicleEF	LDT1	0.01	5.8680e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.36	1.15
tblVehicleEF	LDT1	2.32	2.18
tblVehicleEF	LDT1	316.82	303.88
tblVehicleEF	LDT1	65.45	61.04
tblVehicleEF	LDT1	0.13	0.09
tblVehicleEF	LDT1	0.13	0.22
tblVehicleEF	LDT1	3.2340e-003	2.3520e-003
tblVehicleEF	LDT1	3.1500e-003	2.2950e-003
tblVehicleEF	LDT1	2.9770e-003	2.1650e-003
tblVehicleEF	LDT1	2.8970e-003	2.1110e-003
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.26	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	0.18	0.09
tblVehicleEF	LDT1	0.15	0.29
tblVehicleEF	LDT1	3.1850e-003	2.9460e-003
tblVehicleEF	LDT1	6.9500e-004	5.9200e-004
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.26	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.18	0.09
tblVehicleEF	LDT1	0.17	0.32
tblVehicleEF	LDT2	6.1600e-003	4.0250e-003
tblVehicleEF	LDT2	5.0900e-003	0.06
tblVehicleEF	LDT2	0.76	0.88
tblVehicleEF	LDT2	1.14	2.47
tblVehicleEF	LDT2	357.41	324.61
tblVehicleEF	LDT2	72.80	64.57
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	2.1810e-003	1.7710e-003
tblVehicleEF	LDT2	2.3970e-003	1.7550e-003
tblVehicleEF	LDT2	2.0060e-003	1.6300e-003
tblVehicleEF	LDT2	2.2040e-003	1.6140e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.05

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	0.07	0.26
tblVehicleEF	LDT2	3.5800e-003	3.1470e-003
tblVehicleEF	LDT2	7.4700e-004	6.2600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.08	0.29
tblVehicleEF	LDT2	6.5370e-003	4.2950e-003
tblVehicleEF	LDT2	4.5360e-003	0.05
tblVehicleEF	LDT2	0.83	0.97
tblVehicleEF	LDT2	0.98	2.11
tblVehicleEF	LDT2	373.41	336.05
tblVehicleEF	LDT2	72.80	63.89
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.08	0.22
tblVehicleEF	LDT2	2.1810e-003	1.7710e-003
tblVehicleEF	LDT2	2.3970e-003	1.7550e-003
tblVehicleEF	LDT2	2.0060e-003	1.6300e-003
tblVehicleEF	LDT2	2.2040e-003	1.6140e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.06	0.23

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	3.7410e-003	3.2570e-003
tblVehicleEF	LDT2	7.4400e-004	6.1900e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.07	0.26
tblVehicleEF	LDT2	6.0370e-003	3.9420e-003
tblVehicleEF	LDT2	5.2090e-003	0.06
tblVehicleEF	LDT2	0.73	0.85
tblVehicleEF	LDT2	1.18	2.55
tblVehicleEF	LDT2	351.53	320.42
tblVehicleEF	LDT2	72.80	64.73
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.08	0.24
tblVehicleEF	LDT2	2.1810e-003	1.7710e-003
tblVehicleEF	LDT2	2.3970e-003	1.7550e-003
tblVehicleEF	LDT2	2.0060e-003	1.6300e-003
tblVehicleEF	LDT2	2.2040e-003	1.6140e-003
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	3.5210e-003	3.1060e-003

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	7.4800e-004	6.2800e-004
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.08	0.29
tblVehicleEF	LHD1	4.9880e-003	5.1130e-003
tblVehicleEF	LHD1	9.2560e-003	4.4970e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	0.66	0.51
tblVehicleEF	LHD1	2.37	1.03
tblVehicleEF	LHD1	8.95	8.76
tblVehicleEF	LHD1	588.36	640.47
tblVehicleEF	LHD1	31.02	11.61
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.78	0.51
tblVehicleEF	LHD1	0.89	0.30
tblVehicleEF	LHD1	8.3700e-004	8.2100e-004
tblVehicleEF	LHD1	0.01	9.7900e-003
tblVehicleEF	LHD1	8.5610e-003	5.8770e-003
tblVehicleEF	LHD1	8.8500e-004	2.5400e-004
tblVehicleEF	LHD1	8.0100e-004	7.8500e-004
tblVehicleEF	LHD1	2.5540e-003	2.4480e-003
tblVehicleEF	LHD1	8.1660e-003	5.5950e-003
tblVehicleEF	LHD1	8.1400e-004	2.3300e-004

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	2.7900e-003	2.1840e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7340e-003	1.3610e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.18
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	8.9000e-005	8.5000e-005
tblVehicleEF	LHD1	5.7670e-003	6.2490e-003
tblVehicleEF	LHD1	3.5400e-004	1.1500e-004
tblVehicleEF	LHD1	2.7900e-003	2.1840e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7340e-003	1.3610e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.18
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	4.9880e-003	5.1240e-003
tblVehicleEF	LHD1	9.4510e-003	4.5800e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	0.67	0.52
tblVehicleEF	LHD1	2.26	0.99
tblVehicleEF	LHD1	8.95	8.76
tblVehicleEF	LHD1	588.36	640.49
tblVehicleEF	LHD1	31.02	11.53
tblVehicleEF	LHD1	0.07	0.05

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	0.73	0.47
tblVehicleEF	LHD1	0.85	0.28
tblVehicleEF	LHD1	8.3700e-004	8.2100e-004
tblVehicleEF	LHD1	0.01	9.7900e-003
tblVehicleEF	LHD1	8.5610e-003	5.8770e-003
tblVehicleEF	LHD1	8.8500e-004	2.5400e-004
tblVehicleEF	LHD1	8.0100e-004	7.8500e-004
tblVehicleEF	LHD1	2.5540e-003	2.4480e-003
tblVehicleEF	LHD1	8.1660e-003	5.5950e-003
tblVehicleEF	LHD1	8.1400e-004	2.3300e-004
tblVehicleEF	LHD1	4.1640e-003	3.2670e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.4160e-003	1.9040e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.28	0.17
tblVehicleEF	LHD1	0.21	0.06
tblVehicleEF	LHD1	8.9000e-005	8.5000e-005
tblVehicleEF	LHD1	5.7670e-003	6.2490e-003
tblVehicleEF	LHD1	3.5200e-004	1.1400e-004
tblVehicleEF	LHD1	4.1640e-003	3.2670e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.4160e-003	1.9040e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.28	0.17
tblVehicleEF	LHD1	0.23	0.07

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	4.9880e-003	5.1110e-003
tblVehicleEF	LHD1	9.2060e-003	4.4760e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	0.66	0.51
tblVehicleEF	LHD1	2.39	1.04
tblVehicleEF	LHD1	8.95	8.76
tblVehicleEF	LHD1	588.36	640.47
tblVehicleEF	LHD1	31.02	11.62
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.76	0.50
tblVehicleEF	LHD1	0.89	0.30
tblVehicleEF	LHD1	8.3700e-004	8.2100e-004
tblVehicleEF	LHD1	0.01	9.7900e-003
tblVehicleEF	LHD1	8.5610e-003	5.8770e-003
tblVehicleEF	LHD1	8.8500e-004	2.5400e-004
tblVehicleEF	LHD1	8.0100e-004	7.8500e-004
tblVehicleEF	LHD1	2.5540e-003	2.4480e-003
tblVehicleEF	LHD1	8.1660e-003	5.5950e-003
tblVehicleEF	LHD1	8.1400e-004	2.3300e-004
tblVehicleEF	LHD1	2.9050e-003	2.2770e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7020e-003	1.3380e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.31	0.19
tblVehicleEF	LHD1	0.22	0.07

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	8.9000e-005	8.5000e-005
tblVehicleEF	LHD1	5.7670e-003	6.2490e-003
tblVehicleEF	LHD1	3.5400e-004	1.1500e-004
tblVehicleEF	LHD1	2.9050e-003	2.2770e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7020e-003	1.3380e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.31	0.19
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD2	3.5180e-003	3.5330e-003
tblVehicleEF	LHD2	3.4110e-003	3.2650e-003
tblVehicleEF	LHD2	6.5620e-003	9.1530e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.28	0.35
tblVehicleEF	LHD2	1.17	0.67
tblVehicleEF	LHD2	13.57	13.33
tblVehicleEF	LHD2	605.98	641.40
tblVehicleEF	LHD2	26.15	8.76
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.46	0.64
tblVehicleEF	LHD2	0.46	0.20
tblVehicleEF	LHD2	1.1260e-003	1.3110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.0770e-003	9.6270e-003
tblVehicleEF	LHD2	4.2100e-004	1.4200e-004
tblVehicleEF	LHD2	1.0770e-003	1.2540e-003

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	2.6710e-003	2.6560e-003
tblVehicleEF	LHD2	7.7140e-003	9.1940e-003
tblVehicleEF	LHD2	3.8700e-004	1.3100e-004
tblVehicleEF	LHD2	9.3900e-004	1.3030e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.4000e-004	8.4000e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.07	0.10
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	1.3300e-004	1.2800e-004
tblVehicleEF	LHD2	5.9000e-003	6.2020e-003
tblVehicleEF	LHD2	2.8200e-004	8.7000e-005
tblVehicleEF	LHD2	9.3900e-004	1.3030e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.4000e-004	8.4000e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.10
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	3.5180e-003	3.5410e-003
tblVehicleEF	LHD2	3.4510e-003	3.2980e-003
tblVehicleEF	LHD2	6.3490e-003	8.8380e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.28	0.35
tblVehicleEF	LHD2	1.12	0.64
tblVehicleEF	LHD2	13.57	13.33

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	605.98	641.41
tblVehicleEF	LHD2	26.15	8.70
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.44	0.60
tblVehicleEF	LHD2	0.44	0.19
tblVehicleEF	LHD2	1.1260e-003	1.3110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.0770e-003	9.6270e-003
tblVehicleEF	LHD2	4.2100e-004	1.4200e-004
tblVehicleEF	LHD2	1.0770e-003	1.2540e-003
tblVehicleEF	LHD2	2.6710e-003	2.6560e-003
tblVehicleEF	LHD2	7.7140e-003	9.1940e-003
tblVehicleEF	LHD2	3.8700e-004	1.3100e-004
tblVehicleEF	LHD2	1.3970e-003	1.9420e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	8.8800e-004	1.1730e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.06	0.10
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	1.3300e-004	1.2800e-004
tblVehicleEF	LHD2	5.9000e-003	6.2020e-003
tblVehicleEF	LHD2	2.8100e-004	8.6000e-005
tblVehicleEF	LHD2	1.3970e-003	1.9420e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.8800e-004	1.1730e-003

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.06	0.10
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	3.5180e-003	3.5310e-003
tblVehicleEF	LHD2	3.4000e-003	3.2570e-003
tblVehicleEF	LHD2	6.6050e-003	9.2170e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.28	0.35
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.57	13.33
tblVehicleEF	LHD2	605.98	641.40
tblVehicleEF	LHD2	26.15	8.76
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.46	0.63
tblVehicleEF	LHD2	0.46	0.20
tblVehicleEF	LHD2	1.1260e-003	1.3110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.0770e-003	9.6270e-003
tblVehicleEF	LHD2	4.2100e-004	1.4200e-004
tblVehicleEF	LHD2	1.0770e-003	1.2540e-003
tblVehicleEF	LHD2	2.6710e-003	2.6560e-003
tblVehicleEF	LHD2	7.7140e-003	9.1940e-003
tblVehicleEF	LHD2	3.8700e-004	1.3100e-004
tblVehicleEF	LHD2	9.4200e-004	1.3290e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.1900e-004	8.1200e-004

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.07	0.11
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2800e-004
tblVehicleEF	LHD2	5.9000e-003	6.2020e-003
tblVehicleEF	LHD2	2.8200e-004	8.7000e-005
tblVehicleEF	LHD2	9.4200e-004	1.3290e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.1900e-004	8.1200e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.11
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	MCY	0.55	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.62	18.81
tblVehicleEF	MCY	9.70	8.58
tblVehicleEF	MCY	190.93	224.58
tblVehicleEF	MCY	43.78	58.99
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.5350e-003	2.5310e-003
tblVehicleEF	MCY	3.5080e-003	3.0390e-003
tblVehicleEF	MCY	2.3660e-003	2.3630e-003
tblVehicleEF	MCY	3.2930e-003	2.8530e-003
tblVehicleEF	MCY	1.05	1.07
tblVehicleEF	MCY	0.61	0.63

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	0.64	0.65
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.56	0.53
tblVehicleEF	MCY	2.03	1.80
tblVehicleEF	MCY	2.2930e-003	2.2220e-003
tblVehicleEF	MCY	6.5600e-004	5.8400e-004
tblVehicleEF	MCY	1.05	1.07
tblVehicleEF	MCY	0.61	0.63
tblVehicleEF	MCY	0.64	0.65
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.56	0.53
tblVehicleEF	MCY	2.21	1.96
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	17.96	18.14
tblVehicleEF	MCY	8.84	7.79
tblVehicleEF	MCY	190.93	223.30
tblVehicleEF	MCY	43.78	57.07
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.5350e-003	2.5310e-003
tblVehicleEF	MCY	3.5080e-003	3.0390e-003
tblVehicleEF	MCY	2.3660e-003	2.3630e-003
tblVehicleEF	MCY	3.2930e-003	2.8530e-003
tblVehicleEF	MCY	1.71	1.74
tblVehicleEF	MCY	0.67	0.70
tblVehicleEF	MCY	1.05	1.07

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.53	0.49
tblVehicleEF	MCY	1.81	1.60
tblVehicleEF	MCY	2.2810e-003	2.2100e-003
tblVehicleEF	MCY	6.3500e-004	5.6500e-004
tblVehicleEF	MCY	1.71	1.74
tblVehicleEF	MCY	0.67	0.70
tblVehicleEF	MCY	1.05	1.07
tblVehicleEF	MCY	3.18	3.19
tblVehicleEF	MCY	0.53	0.49
tblVehicleEF	MCY	1.97	1.74
tblVehicleEF	MCY	0.55	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.72	18.91
tblVehicleEF	MCY	9.85	8.72
tblVehicleEF	MCY	190.93	224.78
tblVehicleEF	MCY	43.78	59.34
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.5350e-003	2.5310e-003
tblVehicleEF	MCY	3.5080e-003	3.0390e-003
tblVehicleEF	MCY	2.3660e-003	2.3630e-003
tblVehicleEF	MCY	3.2930e-003	2.8530e-003
tblVehicleEF	MCY	1.15	1.17
tblVehicleEF	MCY	0.78	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	2.61	2.62

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	0.65	0.61
tblVehicleEF	MCY	2.07	1.84
tblVehicleEF	MCY	2.2950e-003	2.2240e-003
tblVehicleEF	MCY	6.5900e-004	5.8700e-004
tblVehicleEF	MCY	1.15	1.17
tblVehicleEF	MCY	0.78	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	3.26	3.27
tblVehicleEF	MCY	0.65	0.61
tblVehicleEF	MCY	2.25	2.00
tblVehicleEF	MDV	0.01	5.0130e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.10	0.99
tblVehicleEF	MDV	1.99	2.76
tblVehicleEF	MDV	481.40	399.25
tblVehicleEF	MDV	96.60	78.39
tblVehicleEF	MDV	0.12	0.08
tblVehicleEF	MDV	0.17	0.28
tblVehicleEF	MDV	2.2730e-003	1.8630e-003
tblVehicleEF	MDV	2.4250e-003	1.8230e-003
tblVehicleEF	MDV	2.0940e-003	1.7170e-003
tblVehicleEF	MDV	2.2300e-003	1.6760e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.08	0.05

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	0.15	0.32
tblVehicleEF	MDV	4.8190e-003	3.8680e-003
tblVehicleEF	MDV	1.0000e-003	7.6000e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.16	0.35
tblVehicleEF	MDV	0.01	5.3450e-003
tblVehicleEF	MDV	9.6010e-003	0.06
tblVehicleEF	MDV	1.21	1.08
tblVehicleEF	MDV	1.70	2.35
tblVehicleEF	MDV	502.45	411.21
tblVehicleEF	MDV	96.60	77.60
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.16	0.26
tblVehicleEF	MDV	2.2730e-003	1.8630e-003
tblVehicleEF	MDV	2.4250e-003	1.8230e-003
tblVehicleEF	MDV	2.0940e-003	1.7170e-003
tblVehicleEF	MDV	2.2300e-003	1.6760e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.13	0.29

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	5.0310e-003	3.9840e-003
tblVehicleEF	MDV	9.9500e-004	7.5200e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.14	0.32
tblVehicleEF	MDV	0.01	4.9100e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.06	0.95
tblVehicleEF	MDV	2.05	2.85
tblVehicleEF	MDV	473.66	394.87
tblVehicleEF	MDV	96.60	78.56
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.28
tblVehicleEF	MDV	2.2730e-003	1.8630e-003
tblVehicleEF	MDV	2.4250e-003	1.8230e-003
tblVehicleEF	MDV	2.0940e-003	1.7170e-003
tblVehicleEF	MDV	2.2300e-003	1.6760e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.10	0.06
tblVehicleEF	MDV	0.15	0.33
tblVehicleEF	MDV	4.7420e-003	3.8260e-003

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	1.0010e-003	7.6200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.06
tblVehicleEF	MDV	0.16	0.36
tblVehicleEF	MH	0.02	7.7820e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.43	0.83
tblVehicleEF	MH	4.82	1.95
tblVehicleEF	MH	1,126.11	1,449.51
tblVehicleEF	MH	59.42	18.34
tblVehicleEF	MH	0.93	1.02
tblVehicleEF	MH	0.71	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.8700e-004	2.5500e-004
tblVehicleEF	MH	3.2070e-003	3.2580e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.0800e-004	2.3400e-004
tblVehicleEF	MH	0.76	0.67
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.33	0.29
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.28	0.09

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7800e-004	1.8200e-004
tblVehicleEF	MH	0.76	0.67
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.33	0.29
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.30	0.10
tblVehicleEF	MH	0.02	7.9570e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.47	0.85
tblVehicleEF	MH	4.54	1.84
tblVehicleEF	MH	1,126.11	1,449.54
tblVehicleEF	MH	59.42	18.15
tblVehicleEF	MH	0.86	0.95
tblVehicleEF	MH	0.68	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.8700e-004	2.5500e-004
tblVehicleEF	MH	3.2070e-003	3.2580e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.0800e-004	2.3400e-004
tblVehicleEF	MH	1.12	0.99
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.47	0.42
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.01

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	0.27	0.08
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7300e-004	1.8000e-004
tblVehicleEF	MH	1.12	0.99
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.47	0.42
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.29	0.09
tblVehicleEF	MH	0.02	7.7360e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.42	0.82
tblVehicleEF	MH	4.87	1.97
tblVehicleEF	MH	1,126.11	1,449.50
tblVehicleEF	MH	59.42	18.38
tblVehicleEF	MH	0.91	1.00
tblVehicleEF	MH	0.71	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.8700e-004	2.5500e-004
tblVehicleEF	MH	3.2070e-003	3.2580e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.0800e-004	2.3400e-004
tblVehicleEF	MH	0.85	0.74
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.34	0.29
tblVehicleEF	MH	0.06	0.05

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.28	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7900e-004	1.8200e-004
tblVehicleEF	MH	0.85	0.74
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.34	0.29
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.31	0.10
tblVehicleEF	MHD	0.02	4.3060e-003
tblVehicleEF	MHD	3.4980e-003	1.7930e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.35	0.40
tblVehicleEF	MHD	0.29	0.24
tblVehicleEF	MHD	5.13	1.26
tblVehicleEF	MHD	132.56	63.66
tblVehicleEF	MHD	1,140.29	1,012.78
tblVehicleEF	MHD	61.49	11.37
tblVehicleEF	MHD	0.35	0.34
tblVehicleEF	MHD	0.76	1.09
tblVehicleEF	MHD	10.11	1.60
tblVehicleEF	MHD	9.0000e-005	2.8100e-004
tblVehicleEF	MHD	2.8650e-003	6.1500e-003
tblVehicleEF	MHD	7.8500e-004	1.2700e-004
tblVehicleEF	MHD	8.6000e-005	2.6800e-004
tblVehicleEF	MHD	2.7360e-003	5.8770e-003

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	7.2200e-004	1.1700e-004
tblVehicleEF	MHD	9.8100e-004	5.6200e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.6900e-004	3.7700e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.2770e-003	6.0500e-004
tblVehicleEF	MHD	0.01	9.6820e-003
tblVehicleEF	MHD	7.0500e-004	1.1200e-004
tblVehicleEF	MHD	9.8100e-004	5.6200e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.6900e-004	3.7700e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.35	0.06
tblVehicleEF	MHD	0.01	4.0880e-003
tblVehicleEF	MHD	3.5450e-003	1.8300e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.26	0.33
tblVehicleEF	MHD	0.30	0.24
tblVehicleEF	MHD	4.87	1.20
tblVehicleEF	MHD	140.40	63.64
tblVehicleEF	MHD	1,140.29	1,012.78
tblVehicleEF	MHD	61.49	11.26

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	0.36	0.33
tblVehicleEF	MHD	0.71	1.02
tblVehicleEF	MHD	10.08	1.60
tblVehicleEF	MHD	7.6000e-005	2.3900e-004
tblVehicleEF	MHD	2.8650e-003	6.1500e-003
tblVehicleEF	MHD	7.8500e-004	1.2700e-004
tblVehicleEF	MHD	7.2000e-005	2.2900e-004
tblVehicleEF	MHD	2.7360e-003	5.8770e-003
tblVehicleEF	MHD	7.2200e-004	1.1700e-004
tblVehicleEF	MHD	1.4660e-003	8.4100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3700e-004	5.3000e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.30	0.06
tblVehicleEF	MHD	1.3510e-003	6.0500e-004
tblVehicleEF	MHD	0.01	9.6820e-003
tblVehicleEF	MHD	7.0000e-004	1.1100e-004
tblVehicleEF	MHD	1.4660e-003	8.4100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3700e-004	5.3000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.33	0.06
tblVehicleEF	MHD	0.02	4.6210e-003

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	3.4850e-003	1.7820e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.49	0.49
tblVehicleEF	MHD	0.29	0.24
tblVehicleEF	MHD	5.18	1.27
tblVehicleEF	MHD	121.72	63.67
tblVehicleEF	MHD	1,140.29	1,012.78
tblVehicleEF	MHD	61.49	11.39
tblVehicleEF	MHD	0.33	0.35
tblVehicleEF	MHD	0.74	1.07
tblVehicleEF	MHD	10.12	1.60
tblVehicleEF	MHD	1.0900e-004	3.3800e-004
tblVehicleEF	MHD	2.8650e-003	6.1500e-003
tblVehicleEF	MHD	7.8500e-004	1.2700e-004
tblVehicleEF	MHD	1.0500e-004	3.2300e-004
tblVehicleEF	MHD	2.7360e-003	5.8770e-003
tblVehicleEF	MHD	7.2200e-004	1.1700e-004
tblVehicleEF	MHD	9.9000e-004	5.7100e-004
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4900e-004	3.6600e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.1750e-003	6.0500e-004
tblVehicleEF	MHD	0.01	9.6810e-003
tblVehicleEF	MHD	7.0600e-004	1.1300e-004

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	9.9000e-004	5.7100e-004
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.4900e-004	3.6600e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.35	0.07
tblVehicleEF	OBUS	0.01	8.2790e-003
tblVehicleEF	OBUS	5.4840e-003	4.4590e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.62
tblVehicleEF	OBUS	0.41	0.55
tblVehicleEF	OBUS	4.93	2.26
tblVehicleEF	OBUS	102.93	91.55
tblVehicleEF	OBUS	1,248.17	1,334.72
tblVehicleEF	OBUS	67.50	18.55
tblVehicleEF	OBUS	0.22	0.36
tblVehicleEF	OBUS	0.71	1.18
tblVehicleEF	OBUS	2.50	0.85
tblVehicleEF	OBUS	2.0000e-005	1.2200e-004
tblVehicleEF	OBUS	2.7480e-003	7.3180e-003
tblVehicleEF	OBUS	8.4800e-004	2.0100e-004
tblVehicleEF	OBUS	1.9000e-005	1.1600e-004
tblVehicleEF	OBUS	2.6130e-003	6.9860e-003
tblVehicleEF	OBUS	7.8000e-004	1.8500e-004
tblVehicleEF	OBUS	1.3910e-003	1.8300e-003
tblVehicleEF	OBUS	0.02	0.02

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.6200e-004	9.5200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	0.31	0.11
tblVehicleEF	OBUS	9.9400e-004	8.7100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6100e-004	1.8400e-004
tblVehicleEF	OBUS	1.3910e-003	1.8300e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6200e-004	9.5200e-004
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	0.01	8.3680e-003
tblVehicleEF	OBUS	5.5780e-003	4.5570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.61
tblVehicleEF	OBUS	0.42	0.56
tblVehicleEF	OBUS	4.66	2.14
tblVehicleEF	OBUS	108.07	90.50
tblVehicleEF	OBUS	1,248.17	1,334.74
tblVehicleEF	OBUS	67.50	18.34
tblVehicleEF	OBUS	0.23	0.34
tblVehicleEF	OBUS	0.67	1.11
tblVehicleEF	OBUS	2.46	0.84

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	1.7000e-005	1.0800e-004
tblVehicleEF	OBUS	2.7480e-003	7.3180e-003
tblVehicleEF	OBUS	8.4800e-004	2.0100e-004
tblVehicleEF	OBUS	1.6000e-005	1.0300e-004
tblVehicleEF	OBUS	2.6130e-003	6.9860e-003
tblVehicleEF	OBUS	7.8000e-004	1.8500e-004
tblVehicleEF	OBUS	2.0340e-003	2.6620e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.0660e-003	1.3290e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	0.30	0.10
tblVehicleEF	OBUS	1.0430e-003	8.6100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.5700e-004	1.8100e-004
tblVehicleEF	OBUS	2.0340e-003	2.6620e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0660e-003	1.3290e-003
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	0.01	8.1750e-003
tblVehicleEF	OBUS	5.4590e-003	4.4320e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.63

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	0.41	0.55
tblVehicleEF	OBUS	4.98	2.29
tblVehicleEF	OBUS	95.85	93.01
tblVehicleEF	OBUS	1,248.17	1,334.71
tblVehicleEF	OBUS	67.50	18.60
tblVehicleEF	OBUS	0.21	0.38
tblVehicleEF	OBUS	0.70	1.16
tblVehicleEF	OBUS	2.50	0.85
tblVehicleEF	OBUS	2.4000e-005	1.4000e-004
tblVehicleEF	OBUS	2.7480e-003	7.3180e-003
tblVehicleEF	OBUS	8.4800e-004	2.0100e-004
tblVehicleEF	OBUS	2.3000e-005	1.3400e-004
tblVehicleEF	OBUS	2.6130e-003	6.9860e-003
tblVehicleEF	OBUS	7.8000e-004	1.8500e-004
tblVehicleEF	OBUS	1.4050e-003	1.8930e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.3700e-004	9.3100e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.04	0.08
tblVehicleEF	OBUS	0.31	0.11
tblVehicleEF	OBUS	9.2600e-004	8.8500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6200e-004	1.8400e-004
tblVehicleEF	OBUS	1.4050e-003	1.8930e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	7.3700e-004	9.3100e-004
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	0.04	0.08
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	SBUS	0.83	0.08
tblVehicleEF	SBUS	0.01	6.3270e-003
tblVehicleEF	SBUS	0.06	6.7560e-003
tblVehicleEF	SBUS	8.41	3.07
tblVehicleEF	SBUS	0.61	0.53
tblVehicleEF	SBUS	7.01	0.92
tblVehicleEF	SBUS	1,089.91	350.83
tblVehicleEF	SBUS	1,062.27	1,077.28
tblVehicleEF	SBUS	57.76	5.70
tblVehicleEF	SBUS	7.82	2.99
tblVehicleEF	SBUS	3.46	4.30
tblVehicleEF	SBUS	11.58	0.99
tblVehicleEF	SBUS	7.0050e-003	3.3800e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.9100e-004	6.1000e-005
tblVehicleEF	SBUS	6.7020e-003	3.2330e-003
tblVehicleEF	SBUS	2.6490e-003	2.6600e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.1900e-004	5.6000e-005
tblVehicleEF	SBUS	3.4080e-003	1.0000e-003
tblVehicleEF	SBUS	0.03	8.7280e-003
tblVehicleEF	SBUS	1.00	0.35

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	1.8930e-003	5.5100e-004
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.01	3.3500e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9900e-004	5.6000e-005
tblVehicleEF	SBUS	3.4080e-003	1.0000e-003
tblVehicleEF	SBUS	0.03	8.7280e-003
tblVehicleEF	SBUS	1.45	0.50
tblVehicleEF	SBUS	1.8930e-003	5.5100e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.41	0.04
tblVehicleEF	SBUS	0.83	0.08
tblVehicleEF	SBUS	0.01	6.3970e-003
tblVehicleEF	SBUS	0.05	6.0170e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.62	0.54
tblVehicleEF	SBUS	5.69	0.75
tblVehicleEF	SBUS	1,137.73	357.66
tblVehicleEF	SBUS	1,062.27	1,077.29
tblVehicleEF	SBUS	57.76	5.42
tblVehicleEF	SBUS	8.07	3.05
tblVehicleEF	SBUS	3.26	4.05
tblVehicleEF	SBUS	11.55	0.98
tblVehicleEF	SBUS	5.9050e-003	2.8570e-003

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.9100e-004	6.1000e-005
tblVehicleEF	SBUS	5.6500e-003	2.7340e-003
tblVehicleEF	SBUS	2.6490e-003	2.6600e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.1900e-004	5.6000e-005
tblVehicleEF	SBUS	5.0090e-003	1.4560e-003
tblVehicleEF	SBUS	0.03	8.8720e-003
tblVehicleEF	SBUS	1.00	0.35
tblVehicleEF	SBUS	2.6560e-003	7.6500e-004
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.03
tblVehicleEF	SBUS	0.01	3.4140e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.4000e-005
tblVehicleEF	SBUS	5.0090e-003	1.4560e-003
tblVehicleEF	SBUS	0.03	8.8720e-003
tblVehicleEF	SBUS	1.44	0.50
tblVehicleEF	SBUS	2.6560e-003	7.6500e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.36	0.04
tblVehicleEF	SBUS	0.83	0.08
tblVehicleEF	SBUS	0.01	6.3070e-003
tblVehicleEF	SBUS	0.06	6.9190e-003

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	8.54	3.12
tblVehicleEF	SBUS	0.61	0.53
tblVehicleEF	SBUS	7.24	0.95
tblVehicleEF	SBUS	1,023.86	341.40
tblVehicleEF	SBUS	1,062.27	1,077.27
tblVehicleEF	SBUS	57.76	5.75
tblVehicleEF	SBUS	7.48	2.92
tblVehicleEF	SBUS	3.40	4.22
tblVehicleEF	SBUS	11.58	0.99
tblVehicleEF	SBUS	8.5240e-003	4.1010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.9100e-004	6.1000e-005
tblVehicleEF	SBUS	8.1550e-003	3.9240e-003
tblVehicleEF	SBUS	2.6490e-003	2.6600e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.1900e-004	5.6000e-005
tblVehicleEF	SBUS	3.3910e-003	9.9800e-004
tblVehicleEF	SBUS	0.03	9.0730e-003
tblVehicleEF	SBUS	1.00	0.35
tblVehicleEF	SBUS	1.8130e-003	5.2700e-004
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.2610e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.0300e-004	5.7000e-005

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	3.3910e-003	9.9800e-004
tblVehicleEF	SBUS	0.03	9.0730e-003
tblVehicleEF	SBUS	1.45	0.50
tblVehicleEF	SBUS	1.8130e-003	5.2700e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	UBUS	2.28	5.81
tblVehicleEF	UBUS	0.05	9.6380e-003
tblVehicleEF	UBUS	10.20	45.15
tblVehicleEF	UBUS	8.89	0.71
tblVehicleEF	UBUS	1,934.49	1,977.77
tblVehicleEF	UBUS	104.15	7.97
tblVehicleEF	UBUS	8.69	0.47
tblVehicleEF	UBUS	14.82	0.07
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.12	3.2640e-003
tblVehicleEF	UBUS	1.1960e-003	7.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.11	3.1180e-003
tblVehicleEF	UBUS	1.1000e-003	6.5000e-005
tblVehicleEF	UBUS	4.1520e-003	3.8700e-004
tblVehicleEF	UBUS	0.07	4.8000e-003
tblVehicleEF	UBUS	2.4690e-003	2.9400e-004
tblVehicleEF	UBUS	0.74	0.08

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	0.02	1.1400e-003
tblVehicleEF	UBUS	0.69	0.04
tblVehicleEF	UBUS	9.7410e-003	1.4130e-003
tblVehicleEF	UBUS	1.2020e-003	7.9000e-005
tblVehicleEF	UBUS	4.1520e-003	3.8700e-004
tblVehicleEF	UBUS	0.07	4.8000e-003
tblVehicleEF	UBUS	2.4690e-003	2.9400e-004
tblVehicleEF	UBUS	3.11	5.93
tblVehicleEF	UBUS	0.02	1.1400e-003
tblVehicleEF	UBUS	0.76	0.05
tblVehicleEF	UBUS	2.29	5.81
tblVehicleEF	UBUS	0.05	8.9540e-003
tblVehicleEF	UBUS	10.25	45.15
tblVehicleEF	UBUS	7.71	0.62
tblVehicleEF	UBUS	1,934.49	1,977.77
tblVehicleEF	UBUS	104.15	7.82
tblVehicleEF	UBUS	8.19	0.47
tblVehicleEF	UBUS	14.77	0.07
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.12	3.2640e-003
tblVehicleEF	UBUS	1.1960e-003	7.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.11	3.1180e-003
tblVehicleEF	UBUS	1.1000e-003	6.5000e-005
tblVehicleEF	UBUS	5.9260e-003	5.6700e-004

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	0.07	5.0050e-003
tblVehicleEF	UBUS	3.3920e-003	4.1600e-004
tblVehicleEF	UBUS	0.75	0.08
tblVehicleEF	UBUS	0.02	1.0340e-003
tblVehicleEF	UBUS	0.64	0.04
tblVehicleEF	UBUS	9.7420e-003	1.4130e-003
tblVehicleEF	UBUS	1.1820e-003	7.7000e-005
tblVehicleEF	UBUS	5.9260e-003	5.6700e-004
tblVehicleEF	UBUS	0.07	5.0050e-003
tblVehicleEF	UBUS	3.3920e-003	4.1600e-004
tblVehicleEF	UBUS	3.12	5.93
tblVehicleEF	UBUS	0.02	1.0340e-003
tblVehicleEF	UBUS	0.70	0.04
tblVehicleEF	UBUS	2.28	5.81
tblVehicleEF	UBUS	0.05	9.7890e-003
tblVehicleEF	UBUS	10.19	45.15
tblVehicleEF	UBUS	9.10	0.72
tblVehicleEF	UBUS	1,934.49	1,977.77
tblVehicleEF	UBUS	104.15	8.00
tblVehicleEF	UBUS	8.53	0.47
tblVehicleEF	UBUS	14.83	0.07
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.12	3.2640e-003
tblVehicleEF	UBUS	1.1960e-003	7.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003

Long Beach Water Well - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	0.11	3.1180e-003
tblVehicleEF	UBUS	1.1000e-003	6.5000e-005
tblVehicleEF	UBUS	4.6510e-003	3.9100e-004
tblVehicleEF	UBUS	0.08	5.2240e-003
tblVehicleEF	UBUS	2.5600e-003	2.8300e-004
tblVehicleEF	UBUS	0.74	0.08
tblVehicleEF	UBUS	0.03	1.3890e-003
tblVehicleEF	UBUS	0.71	0.04
tblVehicleEF	UBUS	9.7410e-003	1.4130e-003
tblVehicleEF	UBUS	1.2060e-003	7.9000e-005
tblVehicleEF	UBUS	4.6510e-003	3.9100e-004
tblVehicleEF	UBUS	0.08	5.2240e-003
tblVehicleEF	UBUS	2.5600e-003	2.8300e-004
tblVehicleEF	UBUS	3.10	5.93
tblVehicleEF	UBUS	0.03	1.3890e-003
tblVehicleEF	UBUS	0.77	0.05
tblVehicleTrips	ST_TR	1.68	44.57
tblVehicleTrips	SU_TR	1.68	44.57
tblVehicleTrips	WD_TR	1.68	44.57
tblWater	IndoorWaterUseRate	182,687.50	0.00

2.0 Emissions Summary

Long Beach Water Well - 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	0.0166	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.7000e-004	1.7000e-004	0.0000		1.8000e-004
Energy	2.0000e-005	1.8000e-004	1.5000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.2202	0.2202	0.0000	0.0000	0.2216
Mobile	0.0665	0.1879	1.0558	3.2800e-003	0.3199	2.4500e-003	0.3224	0.0854	2.2800e-003	0.0877		344.8837	344.8837	0.0216		345.4224
Stationary	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	0.0830	0.1881	1.0560	3.2800e-003	0.3199	2.4600e-003	0.3224	0.0854	2.2900e-003	0.0877		345.1041	345.1041	0.0216	0.0000	345.6442

Long Beach Water Well - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Area	0.0166	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.7000e-004	1.7000e-004	0.0000		1.8000e-004
Energy	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1565	0.1565	0.0000	0.0000	0.1574
Mobile	0.0665	0.1879	1.0558	3.2800e-003	0.3199	2.4500e-003	0.3224	0.0854	2.2800e-003	0.0877		344.8837	344.8837	0.0216		345.4224
Stationary	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	0.0830	0.1880	1.0560	3.2800e-003	0.3199	2.4600e-003	0.3224	0.0854	2.2900e-003	0.0877		345.0403	345.0403	0.0216	0.0000	345.5800

	ROG	NOx	CO	SO2	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	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.02

3.0 Construction Detail

Construction Phase

Long Beach Water Well - Los Angeles-South Coast County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/3/2022	1/16/2022	5	10	
2	Paving	Paving	1/3/2022	1/16/2022	5	10	
3	Well Drilling	Building Construction	1/17/2022	5/17/2022	5	87	
4	Pipeline Trenching	Trenching	5/22/2023	6/18/2023	5	20	
5	Treatment Plant Construction	Building Construction	5/22/2023	11/22/2023	5	133	
6	Treatment Plant Architectural Coating	Architectural Coating	11/22/2023	11/28/2023	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,178; Non-Residential Outdoor: 393; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Well Drilling	Bore/Drill Rigs	1	24.00	221	0.50
Well Drilling	Cranes	1	8.00	231	0.29
Well Drilling	Forklifts	1	24.00	89	0.20
Well Drilling	Pavers	1	8.00	130	0.42
Well Drilling	Paving Equipment	1	8.00	132	0.36
Well Drilling	Pumps	1	24.00	84	0.74

Long Beach Water Well - Los Angeles-South Coast County, Summer

Well Drilling	Rollers	1	8.00	80	0.38
Well Drilling	Skid Steer Loaders	1	24.00	65	0.37
Well Drilling	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	0	7.00	130	0.42
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pipeline Trenching	Cranes	1	8.00	231	0.29
Pipeline Trenching	Excavators	1	8.00	158	0.38
Pipeline Trenching	Pumps	3	8.00	84	0.74
Pipeline Trenching	Rollers	1	8.00	80	0.38
Pipeline Trenching	Rubber Tired Dozers	1	8.00	247	0.40
Pipeline Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Treatment Plant Construction	Cranes	1	8.00	231	0.29
Treatment Plant Construction	Forklifts	2	6.00	89	0.20
Treatment Plant Construction	Pumps	1	8.00	84	0.74
Treatment Plant Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Treatment Plant Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Long Beach Water Well - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Well Drilling	9	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pipeline Trenching	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Treatment Plant Construction	6	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Treatment Plant Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2024	1.7770	3.2551	5.1700e-003		0.0859	0.0859		0.0790	0.0790		500.0153	500.0153	0.1617		504.0582
Total	0.2024	1.7770	3.2551	5.1700e-003	0.0000	0.0859	0.0859	0.0000	0.0790	0.0790		500.0153	500.0153	0.1617		504.0582

Long Beach Water Well - Los Angeles-South Coast County, Summer

3.2 Grading - 2022

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	0.0121	7.9800e-003	0.1115	3.3000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		32.9614	32.9614	9.1000e-004		32.9841
Total	0.0121	7.9800e-003	0.1115	3.3000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		32.9614	32.9614	9.1000e-004		32.9841

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2024	1.7770	3.2551	5.1700e-003		0.0859	0.0859		0.0790	0.0790	0.0000	500.0153	500.0153	0.1617		504.0582
Total	0.2024	1.7770	3.2551	5.1700e-003	0.0000	0.0859	0.0859	0.0000	0.0790	0.0790	0.0000	500.0153	500.0153	0.1617		504.0582

Long Beach Water Well - Los Angeles-South Coast County, Summer

3.2 Grading - 2022

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	0.0121	7.9800e-003	0.1115	3.3000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		32.9614	32.9614	9.1000e-004		32.9841
Total	0.0121	7.9800e-003	0.1115	3.3000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		32.9614	32.9614	9.1000e-004		32.9841

3.3 Paving - 2022

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	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746

Long Beach Water Well - Los Angeles-South Coast County, Summer

3.3 Paving - 2022

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	0.0121	7.9800e-003	0.1115	3.3000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		32.9614	32.9614	9.1000e-004		32.9841
Total	0.0121	7.9800e-003	0.1115	3.3000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		32.9614	32.9614	9.1000e-004		32.9841

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	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746

Long Beach Water Well - Los Angeles-South Coast County, Summer

3.3 Paving - 2022

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	0.0121	7.9800e-003	0.1115	3.3000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		32.9614	32.9614	9.1000e-004		32.9841
Total	0.0121	7.9800e-003	0.1115	3.3000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		32.9614	32.9614	9.1000e-004		32.9841

3.4 Well Drilling - 2022

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	3.3668	33.0786	36.3623	0.0791		1.5463	1.5463		1.4599	1.4599		7,618.9519	7,618.9519	1.9550		7,667.8268
Total	3.3668	33.0786	36.3623	0.0791		1.5463	1.5463		1.4599	1.4599		7,618.9519	7,618.9519	1.9550		7,667.8268

Long Beach Water Well - Los Angeles-South Coast County, Summer

3.4 Well Drilling - 2022

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	0.0924	0.0612	0.8547	2.5400e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8500e-003	0.0700		252.7038	252.7038	6.9700e-003		252.8782
Total	0.0924	0.0612	0.8547	2.5400e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8500e-003	0.0700		252.7038	252.7038	6.9700e-003		252.8782

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	3.3668	33.0786	36.3623	0.0791		1.5463	1.5463		1.4599	1.4599	0.0000	7,618.9519	7,618.9519	1.9550		7,667.8268
Total	3.3668	33.0786	36.3623	0.0791		1.5463	1.5463		1.4599	1.4599	0.0000	7,618.9519	7,618.9519	1.9550		7,667.8268

Long Beach Water Well - Los Angeles-South Coast County, Summer

3.4 Well Drilling - 2022

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	0.0924	0.0612	0.8547	2.5400e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8500e-003	0.0700		252.7038	252.7038	6.9700e-003		252.8782
Total	0.0924	0.0612	0.8547	2.5400e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8500e-003	0.0700		252.7038	252.7038	6.9700e-003		252.8782

3.5 Pipeline Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5132	23.8956	23.4579	0.0450		1.1250	1.1250		1.0674	1.0674		4,310.7135	4,310.7135	0.8752		4,332.5929
Total	2.5132	23.8956	23.4579	0.0450		1.1250	1.1250		1.0674	1.0674		4,310.7135	4,310.7135	0.8752		4,332.5929

Long Beach Water Well - Los Angeles-South Coast County, Summer

3.5 Pipeline Trenching - 2023

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	0.0754	0.0482	0.6844	2.1200e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5700e-003	0.0609		211.6964	211.6964	5.4700e-003		211.8331
Total	0.0754	0.0482	0.6844	2.1200e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5700e-003	0.0609		211.6964	211.6964	5.4700e-003		211.8331

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5132	23.8956	23.4579	0.0450		1.1250	1.1250		1.0674	1.0674	0.0000	4,310.7135	4,310.7135	0.8752		4,332.5929
Total	2.5132	23.8956	23.4579	0.0450		1.1250	1.1250		1.0674	1.0674	0.0000	4,310.7135	4,310.7135	0.8752		4,332.5929

Long Beach Water Well - Los Angeles-South Coast County, Summer

3.5 Pipeline Trenching - 2023

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	0.0754	0.0482	0.6844	2.1200e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5700e-003	0.0609		211.6964	211.6964	5.4700e-003		211.8331
Total	0.0754	0.0482	0.6844	2.1200e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5700e-003	0.0609		211.6964	211.6964	5.4700e-003		211.8331

3.6 Treatment Plant Construction - 2023

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	1.1357	11.0792	11.7395	0.0209		0.5348	0.5348		0.5028	0.5028		2,007.0531	2,007.0531	0.4761		2,018.9561
Total	1.1357	11.0792	11.7395	0.0209		0.5348	0.5348		0.5028	0.5028		2,007.0531	2,007.0531	0.4761		2,018.9561

Long Beach Water Well - Los Angeles-South Coast County, Summer

3.6 Treatment Plant Construction - 2023

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	0.0377	0.0241	0.3422	1.0600e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		105.8482	105.8482	2.7300e-003		105.9166
Total	0.0377	0.0241	0.3422	1.0600e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		105.8482	105.8482	2.7300e-003		105.9166

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	1.1357	11.0792	11.7395	0.0209		0.5348	0.5348		0.5028	0.5028	0.0000	2,007.0531	2,007.0531	0.4761		2,018.9561
Total	1.1357	11.0792	11.7395	0.0209		0.5348	0.5348		0.5028	0.5028	0.0000	2,007.0531	2,007.0531	0.4761		2,018.9561

Long Beach Water Well - Los Angeles-South Coast County, Summer

3.6 Treatment Plant Construction - 2023

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	0.0377	0.0241	0.3422	1.0600e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		105.8482	105.8482	2.7300e-003		105.9166
Total	0.0377	0.0241	0.3422	1.0600e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		105.8482	105.8482	2.7300e-003		105.9166

3.7 Treatment Plant Architectural Coating - 2023

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	1.4563					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
Total	1.7119	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253

Long Beach Water Well - Los Angeles-South Coast County, Summer

3.7 Treatment Plant Architectural Coating - 2023

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	0.0113	7.2200e-003	0.1027	3.2000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.3000e-004	9.1300e-003		31.7545	31.7545	8.2000e-004		31.7750
Total	0.0113	7.2200e-003	0.1027	3.2000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.3000e-004	9.1300e-003		31.7545	31.7545	8.2000e-004		31.7750

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	1.4563					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
Total	1.7119	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253

Long Beach Water Well - Los Angeles-South Coast County, Summer

3.7 Treatment Plant Architectural Coating - 2023

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	0.0113	7.2200e-003	0.1027	3.2000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.3000e-004	9.1300e-003		31.7545	31.7545	8.2000e-004		31.7750
Total	0.0113	7.2200e-003	0.1027	3.2000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.3000e-004	9.1300e-003		31.7545	31.7545	8.2000e-004		31.7750

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Long Beach Water Well - 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	0.0665	0.1879	1.0558	3.2800e-003	0.3199	2.4500e-003	0.3224	0.0854	2.2800e-003	0.0877		344.8837	344.8837	0.0216		345.4224
Unmitigated	0.0665	0.1879	1.0558	3.2800e-003	0.3199	2.4500e-003	0.3224	0.0854	2.2800e-003	0.0877		344.8837	344.8837	0.0216		345.4224

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	35.21	35.21	35.21	150,901	150,901
Total	35.21	35.21	35.21	150,901	150,901

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
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Long Beach Water Well - Los Angeles-South Coast County, Summer

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	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1565	0.1565	0.0000	0.0000	0.1574
NaturalGas Unmitigated	2.0000e-005	1.8000e-004	1.5000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.2202	0.2202	0.0000	0.0000	0.2216

Long Beach Water Well - 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					
Unrefrigerated Warehouse-No Rail	1.87205	2.0000e-005	1.8000e-004	1.5000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.2202	0.2202	0.0000	0.0000	0.2216
Total		2.0000e-005	1.8000e-004	1.5000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.2202	0.2202	0.0000	0.0000	0.2216

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					
Unrefrigerated Warehouse-No Rail	0.0013298	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1565	0.1565	0.0000	0.0000	0.1574
Total		1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1565	0.1565	0.0000	0.0000	0.1574

6.0 Area Detail

6.1 Mitigation Measures Area

Long Beach Water Well - 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	0.0166	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.7000e-004	1.7000e-004	0.0000		1.8000e-004
Unmitigated	0.0166	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.7000e-004	1.7000e-004	0.0000		1.8000e-004

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	1.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0156					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.7000e-004	1.7000e-004	0.0000		1.8000e-004
Total	0.0166	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.7000e-004	1.7000e-004	0.0000		1.8000e-004

Long Beach Water Well - 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	1.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0156					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.7000e-004	1.7000e-004	0.0000		1.8000e-004
Total	0.0166	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.7000e-004	1.7000e-004	0.0000		1.8000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Long Beach Water Well - Los Angeles-South Coast County, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	24	308.311	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/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	
Equipment Type	lb/day										lb/day						
Emergency Generator - Diesel (300 - 600 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

11.0 Vegetation

Long Beach Water Well - Los Angeles-South Coast County, Winter

Long Beach Water Well
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	0.79	1000sqft	0.02	785.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	534	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Long Beach Water Well - Los Angeles-South Coast County, Winter

Project Characteristics - SCE 2019 Sustainability Report

Land Use -

Construction Phase - per construction questionnaire

Off-road Equipment -

Off-road Equipment - per construction questionnaire

Off-road Equipment - per construction questionnaire

Off-road Equipment - estimated based on a water well project

Off-road Equipment - estimated based on a water well project

Off-road Equipment - estimated based on a water well project

Off-road Equipment - per construction questionnaire

Trips and VMT - assume 1.25 workers/2.5 trips per equipment

Grading -

Architectural Coating - SCAQMD Rule 1113

Vehicle Trips - per traffic study

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Area Coating - SCAQMD Rule 1113

Energy Use - account for on-site equipment

Water And Wastewater - utility doesn't consume water

Solid Waste - utility doesn't generate solid waste

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Energy Mitigation - 2019 Title 24 30% more efficient than 2016 Title 24

Operational Off-Road Equipment -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Long Beach Water Well - Los Angeles-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	87.00
tblConstructionPhase	NumDays	100.00	133.00
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	NumDays	5.00	10.00
tblEnergyUse	NT24E	1.34	2,584.87
tblLandUse	LandUseSquareFeet	790.00	785.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	24.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblSolidWaste	SolidWasteGenerationRate	0.74	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	308.31
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	24.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	0.00	23.00
tblTripsAndVMT	WorkerTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	3.00
tblVehicleEF	HHD	0.47	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.07	0.00
tblVehicleEF	HHD	1.60	6.80
tblVehicleEF	HHD	1.08	0.47
tblVehicleEF	HHD	3.29	8.5660e-003
tblVehicleEF	HHD	4,415.48	1,123.52
tblVehicleEF	HHD	1,567.39	1,374.48
tblVehicleEF	HHD	10.70	0.08
tblVehicleEF	HHD	13.98	5.77
tblVehicleEF	HHD	2.11	2.71
tblVehicleEF	HHD	19.48	2.35
tblVehicleEF	HHD	8.9530e-003	3.0540e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	6.2770e-003	0.02
tblVehicleEF	HHD	9.2000e-005	1.0000e-006
tblVehicleEF	HHD	8.5660e-003	2.9220e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8420e-003	8.8990e-003

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	6.0050e-003	0.02
tblVehicleEF	HHD	8.5000e-005	1.0000e-006
tblVehicleEF	HHD	9.9000e-005	5.0000e-006
tblVehicleEF	HHD	4.3090e-003	1.9100e-004
tblVehicleEF	HHD	0.41	0.46
tblVehicleEF	HHD	7.6000e-005	3.0000e-006
tblVehicleEF	HHD	0.09	0.02
tblVehicleEF	HHD	3.5500e-004	8.1000e-005
tblVehicleEF	HHD	0.07	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.6100e-004	1.0000e-006
tblVehicleEF	HHD	9.9000e-005	5.0000e-006
tblVehicleEF	HHD	4.3090e-003	1.9100e-004
tblVehicleEF	HHD	0.48	0.53
tblVehicleEF	HHD	7.6000e-005	3.0000e-006
tblVehicleEF	HHD	0.20	0.11
tblVehicleEF	HHD	3.5500e-004	8.1000e-005
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.44	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.06	0.00
tblVehicleEF	HHD	1.17	6.70
tblVehicleEF	HHD	1.08	0.47
tblVehicleEF	HHD	3.12	8.1330e-003
tblVehicleEF	HHD	4,677.81	1,110.61
tblVehicleEF	HHD	1,567.39	1,374.48

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	10.70	0.08
tblVehicleEF	HHD	14.43	5.51
tblVehicleEF	HHD	2.00	2.56
tblVehicleEF	HHD	19.47	2.35
tblVehicleEF	HHD	7.5480e-003	2.6640e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	6.2770e-003	0.02
tblVehicleEF	HHD	9.2000e-005	1.0000e-006
tblVehicleEF	HHD	7.2220e-003	2.5490e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8420e-003	8.8990e-003
tblVehicleEF	HHD	6.0050e-003	0.02
tblVehicleEF	HHD	8.5000e-005	1.0000e-006
tblVehicleEF	HHD	1.5000e-004	8.0000e-006
tblVehicleEF	HHD	4.4160e-003	1.9500e-004
tblVehicleEF	HHD	0.38	0.49
tblVehicleEF	HHD	1.0700e-004	5.0000e-006
tblVehicleEF	HHD	0.09	0.02
tblVehicleEF	HHD	3.4300e-004	8.0000e-005
tblVehicleEF	HHD	0.07	2.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.5800e-004	1.0000e-006
tblVehicleEF	HHD	1.5000e-004	8.0000e-006
tblVehicleEF	HHD	4.4160e-003	1.9500e-004
tblVehicleEF	HHD	0.45	0.56

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	1.0700e-004	5.0000e-006
tblVehicleEF	HHD	0.20	0.11
tblVehicleEF	HHD	3.4300e-004	8.0000e-005
tblVehicleEF	HHD	0.07	3.0000e-006
tblVehicleEF	HHD	0.50	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.07	0.00
tblVehicleEF	HHD	2.21	6.93
tblVehicleEF	HHD	1.08	0.47
tblVehicleEF	HHD	3.32	8.6490e-003
tblVehicleEF	HHD	4,053.22	1,141.34
tblVehicleEF	HHD	1,567.39	1,374.48
tblVehicleEF	HHD	10.70	0.08
tblVehicleEF	HHD	13.36	6.13
tblVehicleEF	HHD	2.08	2.66
tblVehicleEF	HHD	19.48	2.35
tblVehicleEF	HHD	0.01	3.5930e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	6.2770e-003	0.02
tblVehicleEF	HHD	9.2000e-005	1.0000e-006
tblVehicleEF	HHD	0.01	3.4380e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8420e-003	8.8990e-003
tblVehicleEF	HHD	6.0050e-003	0.02
tblVehicleEF	HHD	8.5000e-005	1.0000e-006
tblVehicleEF	HHD	9.6000e-005	5.0000e-006

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	4.5590e-003	2.1500e-004
tblVehicleEF	HHD	0.44	0.42
tblVehicleEF	HHD	7.3000e-005	3.0000e-006
tblVehicleEF	HHD	0.09	0.02
tblVehicleEF	HHD	3.8700e-004	8.7000e-005
tblVehicleEF	HHD	0.07	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.6100e-004	1.0000e-006
tblVehicleEF	HHD	9.6000e-005	5.0000e-006
tblVehicleEF	HHD	4.5590e-003	2.1500e-004
tblVehicleEF	HHD	0.52	0.49
tblVehicleEF	HHD	7.3000e-005	3.0000e-006
tblVehicleEF	HHD	0.20	0.11
tblVehicleEF	HHD	3.8700e-004	8.7000e-005
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	LDA	4.4230e-003	2.3690e-003
tblVehicleEF	LDA	4.1600e-003	0.04
tblVehicleEF	LDA	0.57	0.63
tblVehicleEF	LDA	0.95	1.97
tblVehicleEF	LDA	253.91	260.36
tblVehicleEF	LDA	52.79	51.07
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.16
tblVehicleEF	LDA	2.0900e-003	1.6530e-003
tblVehicleEF	LDA	2.2190e-003	1.6920e-003
tblVehicleEF	LDA	1.9260e-003	1.5220e-003

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	2.0400e-003	1.5550e-003
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	9.0030e-003
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.5430e-003	2.5240e-003
tblVehicleEF	LDA	5.4400e-004	4.9500e-004
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	4.7040e-003	2.5390e-003
tblVehicleEF	LDA	3.7040e-003	0.04
tblVehicleEF	LDA	0.63	0.69
tblVehicleEF	LDA	0.81	1.68
tblVehicleEF	LDA	265.72	272.17
tblVehicleEF	LDA	52.79	50.54
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.15
tblVehicleEF	LDA	2.0900e-003	1.6530e-003
tblVehicleEF	LDA	2.2190e-003	1.6920e-003
tblVehicleEF	LDA	1.9260e-003	1.5220e-003
tblVehicleEF	LDA	2.0400e-003	1.5550e-003

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.01	9.5660e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.05	0.17
tblVehicleEF	LDA	2.6610e-003	2.6380e-003
tblVehicleEF	LDA	5.4100e-004	4.9000e-004
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.05	0.18
tblVehicleEF	LDA	4.3320e-003	2.3180e-003
tblVehicleEF	LDA	4.2560e-003	0.04
tblVehicleEF	LDA	0.55	0.60
tblVehicleEF	LDA	0.98	2.03
tblVehicleEF	LDA	249.59	256.04
tblVehicleEF	LDA	52.79	51.19
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.16
tblVehicleEF	LDA	2.0900e-003	1.6530e-003
tblVehicleEF	LDA	2.2190e-003	1.6920e-003
tblVehicleEF	LDA	1.9260e-003	1.5220e-003
tblVehicleEF	LDA	2.0400e-003	1.5550e-003
tblVehicleEF	LDA	0.03	0.04

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	8.8210e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDA	2.4990e-003	2.4820e-003
tblVehicleEF	LDA	5.4400e-004	4.9600e-004
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDT1	0.01	5.9830e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.40	1.19
tblVehicleEF	LDT1	2.25	2.11
tblVehicleEF	LDT1	322.00	308.26
tblVehicleEF	LDT1	65.45	60.91
tblVehicleEF	LDT1	0.13	0.09
tblVehicleEF	LDT1	0.13	0.22
tblVehicleEF	LDT1	3.2340e-003	2.3520e-003
tblVehicleEF	LDT1	3.1500e-003	2.2950e-003
tblVehicleEF	LDT1	2.9770e-003	2.1650e-003
tblVehicleEF	LDT1	2.8970e-003	2.1110e-003
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.23	0.17

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.16	0.08
tblVehicleEF	LDT1	0.15	0.29
tblVehicleEF	LDT1	3.2370e-003	2.9890e-003
tblVehicleEF	LDT1	6.9400e-004	5.9000e-004
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.23	0.17
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.16	0.08
tblVehicleEF	LDT1	0.16	0.32
tblVehicleEF	LDT1	0.01	6.3550e-003
tblVehicleEF	LDT1	9.8770e-003	0.05
tblVehicleEF	LDT1	1.52	1.29
tblVehicleEF	LDT1	1.91	1.80
tblVehicleEF	LDT1	336.08	320.19
tblVehicleEF	LDT1	65.45	60.29
tblVehicleEF	LDT1	0.11	0.08
tblVehicleEF	LDT1	0.12	0.20
tblVehicleEF	LDT1	3.2340e-003	2.3520e-003
tblVehicleEF	LDT1	3.1500e-003	2.2950e-003
tblVehicleEF	LDT1	2.9770e-003	2.1650e-003
tblVehicleEF	LDT1	2.8970e-003	2.1110e-003
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.24	0.18
tblVehicleEF	LDT1	0.13	0.13

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.13	0.26
tblVehicleEF	LDT1	3.3800e-003	3.1040e-003
tblVehicleEF	LDT1	6.8800e-004	5.8500e-004
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.24	0.18
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.14	0.07
tblVehicleEF	LDT1	0.15	0.28
tblVehicleEF	LDT1	0.01	5.8680e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.36	1.15
tblVehicleEF	LDT1	2.32	2.18
tblVehicleEF	LDT1	316.82	303.88
tblVehicleEF	LDT1	65.45	61.04
tblVehicleEF	LDT1	0.13	0.09
tblVehicleEF	LDT1	0.13	0.22
tblVehicleEF	LDT1	3.2340e-003	2.3520e-003
tblVehicleEF	LDT1	3.1500e-003	2.2950e-003
tblVehicleEF	LDT1	2.9770e-003	2.1650e-003
tblVehicleEF	LDT1	2.8970e-003	2.1110e-003
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.26	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.03	0.03

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	0.18	0.09
tblVehicleEF	LDT1	0.15	0.29
tblVehicleEF	LDT1	3.1850e-003	2.9460e-003
tblVehicleEF	LDT1	6.9500e-004	5.9200e-004
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.26	0.19
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.18	0.09
tblVehicleEF	LDT1	0.17	0.32
tblVehicleEF	LDT2	6.1600e-003	4.0250e-003
tblVehicleEF	LDT2	5.0900e-003	0.06
tblVehicleEF	LDT2	0.76	0.88
tblVehicleEF	LDT2	1.14	2.47
tblVehicleEF	LDT2	357.41	324.61
tblVehicleEF	LDT2	72.80	64.57
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	2.1810e-003	1.7710e-003
tblVehicleEF	LDT2	2.3970e-003	1.7550e-003
tblVehicleEF	LDT2	2.0060e-003	1.6300e-003
tblVehicleEF	LDT2	2.2040e-003	1.6140e-003
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.05

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	0.07	0.26
tblVehicleEF	LDT2	3.5800e-003	3.1470e-003
tblVehicleEF	LDT2	7.4700e-004	6.2600e-004
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.08	0.29
tblVehicleEF	LDT2	6.5370e-003	4.2950e-003
tblVehicleEF	LDT2	4.5360e-003	0.05
tblVehicleEF	LDT2	0.83	0.97
tblVehicleEF	LDT2	0.98	2.11
tblVehicleEF	LDT2	373.41	336.05
tblVehicleEF	LDT2	72.80	63.89
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.08	0.22
tblVehicleEF	LDT2	2.1810e-003	1.7710e-003
tblVehicleEF	LDT2	2.3970e-003	1.7550e-003
tblVehicleEF	LDT2	2.0060e-003	1.6300e-003
tblVehicleEF	LDT2	2.2040e-003	1.6140e-003
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.06	0.23

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	3.7410e-003	3.2570e-003
tblVehicleEF	LDT2	7.4400e-004	6.1900e-004
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.09	0.11
tblVehicleEF	LDT2	0.06	0.10
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.07	0.26
tblVehicleEF	LDT2	6.0370e-003	3.9420e-003
tblVehicleEF	LDT2	5.2090e-003	0.06
tblVehicleEF	LDT2	0.73	0.85
tblVehicleEF	LDT2	1.18	2.55
tblVehicleEF	LDT2	351.53	320.42
tblVehicleEF	LDT2	72.80	64.73
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.08	0.24
tblVehicleEF	LDT2	2.1810e-003	1.7710e-003
tblVehicleEF	LDT2	2.3970e-003	1.7550e-003
tblVehicleEF	LDT2	2.0060e-003	1.6300e-003
tblVehicleEF	LDT2	2.2040e-003	1.6140e-003
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.07	0.27
tblVehicleEF	LDT2	3.5210e-003	3.1060e-003

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	7.4800e-004	6.2800e-004
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.08	0.29
tblVehicleEF	LHD1	4.9880e-003	5.1130e-003
tblVehicleEF	LHD1	9.2560e-003	4.4970e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	0.66	0.51
tblVehicleEF	LHD1	2.37	1.03
tblVehicleEF	LHD1	8.95	8.76
tblVehicleEF	LHD1	588.36	640.47
tblVehicleEF	LHD1	31.02	11.61
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.78	0.51
tblVehicleEF	LHD1	0.89	0.30
tblVehicleEF	LHD1	8.3700e-004	8.2100e-004
tblVehicleEF	LHD1	0.01	9.7900e-003
tblVehicleEF	LHD1	8.5610e-003	5.8770e-003
tblVehicleEF	LHD1	8.8500e-004	2.5400e-004
tblVehicleEF	LHD1	8.0100e-004	7.8500e-004
tblVehicleEF	LHD1	2.5540e-003	2.4480e-003
tblVehicleEF	LHD1	8.1660e-003	5.5950e-003
tblVehicleEF	LHD1	8.1400e-004	2.3300e-004

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	2.7900e-003	2.1840e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7340e-003	1.3610e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.29	0.18
tblVehicleEF	LHD1	0.22	0.07
tblVehicleEF	LHD1	8.9000e-005	8.5000e-005
tblVehicleEF	LHD1	5.7670e-003	6.2490e-003
tblVehicleEF	LHD1	3.5400e-004	1.1500e-004
tblVehicleEF	LHD1	2.7900e-003	2.1840e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7340e-003	1.3610e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.18
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	4.9880e-003	5.1240e-003
tblVehicleEF	LHD1	9.4510e-003	4.5800e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	0.67	0.52
tblVehicleEF	LHD1	2.26	0.99
tblVehicleEF	LHD1	8.95	8.76
tblVehicleEF	LHD1	588.36	640.49
tblVehicleEF	LHD1	31.02	11.53
tblVehicleEF	LHD1	0.07	0.05

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	0.73	0.47
tblVehicleEF	LHD1	0.85	0.28
tblVehicleEF	LHD1	8.3700e-004	8.2100e-004
tblVehicleEF	LHD1	0.01	9.7900e-003
tblVehicleEF	LHD1	8.5610e-003	5.8770e-003
tblVehicleEF	LHD1	8.8500e-004	2.5400e-004
tblVehicleEF	LHD1	8.0100e-004	7.8500e-004
tblVehicleEF	LHD1	2.5540e-003	2.4480e-003
tblVehicleEF	LHD1	8.1660e-003	5.5950e-003
tblVehicleEF	LHD1	8.1400e-004	2.3300e-004
tblVehicleEF	LHD1	4.1640e-003	3.2670e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.4160e-003	1.9040e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.28	0.17
tblVehicleEF	LHD1	0.21	0.06
tblVehicleEF	LHD1	8.9000e-005	8.5000e-005
tblVehicleEF	LHD1	5.7670e-003	6.2490e-003
tblVehicleEF	LHD1	3.5200e-004	1.1400e-004
tblVehicleEF	LHD1	4.1640e-003	3.2670e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.4160e-003	1.9040e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.28	0.17
tblVehicleEF	LHD1	0.23	0.07

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	4.9880e-003	5.1110e-003
tblVehicleEF	LHD1	9.2060e-003	4.4760e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.18
tblVehicleEF	LHD1	0.66	0.51
tblVehicleEF	LHD1	2.39	1.04
tblVehicleEF	LHD1	8.95	8.76
tblVehicleEF	LHD1	588.36	640.47
tblVehicleEF	LHD1	31.02	11.62
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.76	0.50
tblVehicleEF	LHD1	0.89	0.30
tblVehicleEF	LHD1	8.3700e-004	8.2100e-004
tblVehicleEF	LHD1	0.01	9.7900e-003
tblVehicleEF	LHD1	8.5610e-003	5.8770e-003
tblVehicleEF	LHD1	8.8500e-004	2.5400e-004
tblVehicleEF	LHD1	8.0100e-004	7.8500e-004
tblVehicleEF	LHD1	2.5540e-003	2.4480e-003
tblVehicleEF	LHD1	8.1660e-003	5.5950e-003
tblVehicleEF	LHD1	8.1400e-004	2.3300e-004
tblVehicleEF	LHD1	2.9050e-003	2.2770e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7020e-003	1.3380e-003
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	0.31	0.19
tblVehicleEF	LHD1	0.22	0.07

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	8.9000e-005	8.5000e-005
tblVehicleEF	LHD1	5.7670e-003	6.2490e-003
tblVehicleEF	LHD1	3.5400e-004	1.1500e-004
tblVehicleEF	LHD1	2.9050e-003	2.2770e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7020e-003	1.3380e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.31	0.19
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD2	3.5180e-003	3.5330e-003
tblVehicleEF	LHD2	3.4110e-003	3.2650e-003
tblVehicleEF	LHD2	6.5620e-003	9.1530e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.28	0.35
tblVehicleEF	LHD2	1.17	0.67
tblVehicleEF	LHD2	13.57	13.33
tblVehicleEF	LHD2	605.98	641.40
tblVehicleEF	LHD2	26.15	8.76
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.46	0.64
tblVehicleEF	LHD2	0.46	0.20
tblVehicleEF	LHD2	1.1260e-003	1.3110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.0770e-003	9.6270e-003
tblVehicleEF	LHD2	4.2100e-004	1.4200e-004
tblVehicleEF	LHD2	1.0770e-003	1.2540e-003

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	2.6710e-003	2.6560e-003
tblVehicleEF	LHD2	7.7140e-003	9.1940e-003
tblVehicleEF	LHD2	3.8700e-004	1.3100e-004
tblVehicleEF	LHD2	9.3900e-004	1.3030e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.4000e-004	8.4000e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.07	0.10
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	1.3300e-004	1.2800e-004
tblVehicleEF	LHD2	5.9000e-003	6.2020e-003
tblVehicleEF	LHD2	2.8200e-004	8.7000e-005
tblVehicleEF	LHD2	9.3900e-004	1.3030e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.4000e-004	8.4000e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.10
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	LHD2	3.5180e-003	3.5410e-003
tblVehicleEF	LHD2	3.4510e-003	3.2980e-003
tblVehicleEF	LHD2	6.3490e-003	8.8380e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.28	0.35
tblVehicleEF	LHD2	1.12	0.64
tblVehicleEF	LHD2	13.57	13.33

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	605.98	641.41
tblVehicleEF	LHD2	26.15	8.70
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.44	0.60
tblVehicleEF	LHD2	0.44	0.19
tblVehicleEF	LHD2	1.1260e-003	1.3110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.0770e-003	9.6270e-003
tblVehicleEF	LHD2	4.2100e-004	1.4200e-004
tblVehicleEF	LHD2	1.0770e-003	1.2540e-003
tblVehicleEF	LHD2	2.6710e-003	2.6560e-003
tblVehicleEF	LHD2	7.7140e-003	9.1940e-003
tblVehicleEF	LHD2	3.8700e-004	1.3100e-004
tblVehicleEF	LHD2	1.3970e-003	1.9420e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	8.8800e-004	1.1730e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.06	0.10
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	LHD2	1.3300e-004	1.2800e-004
tblVehicleEF	LHD2	5.9000e-003	6.2020e-003
tblVehicleEF	LHD2	2.8100e-004	8.6000e-005
tblVehicleEF	LHD2	1.3970e-003	1.9420e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.8800e-004	1.1730e-003

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.06	0.10
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	3.5180e-003	3.5310e-003
tblVehicleEF	LHD2	3.4000e-003	3.2570e-003
tblVehicleEF	LHD2	6.6050e-003	9.2170e-003
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.28	0.35
tblVehicleEF	LHD2	1.18	0.68
tblVehicleEF	LHD2	13.57	13.33
tblVehicleEF	LHD2	605.98	641.40
tblVehicleEF	LHD2	26.15	8.76
tblVehicleEF	LHD2	0.09	0.08
tblVehicleEF	LHD2	0.46	0.63
tblVehicleEF	LHD2	0.46	0.20
tblVehicleEF	LHD2	1.1260e-003	1.3110e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	8.0770e-003	9.6270e-003
tblVehicleEF	LHD2	4.2100e-004	1.4200e-004
tblVehicleEF	LHD2	1.0770e-003	1.2540e-003
tblVehicleEF	LHD2	2.6710e-003	2.6560e-003
tblVehicleEF	LHD2	7.7140e-003	9.1940e-003
tblVehicleEF	LHD2	3.8700e-004	1.3100e-004
tblVehicleEF	LHD2	9.4200e-004	1.3290e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.1900e-004	8.1200e-004

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.07	0.11
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	1.3300e-004	1.2800e-004
tblVehicleEF	LHD2	5.9000e-003	6.2020e-003
tblVehicleEF	LHD2	2.8200e-004	8.7000e-005
tblVehicleEF	LHD2	9.4200e-004	1.3290e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.1900e-004	8.1200e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.11
tblVehicleEF	LHD2	0.10	0.05
tblVehicleEF	MCY	0.55	0.38
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.62	18.81
tblVehicleEF	MCY	9.70	8.58
tblVehicleEF	MCY	190.93	224.58
tblVehicleEF	MCY	43.78	58.99
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.5350e-003	2.5310e-003
tblVehicleEF	MCY	3.5080e-003	3.0390e-003
tblVehicleEF	MCY	2.3660e-003	2.3630e-003
tblVehicleEF	MCY	3.2930e-003	2.8530e-003
tblVehicleEF	MCY	1.05	1.07
tblVehicleEF	MCY	0.61	0.63

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	0.64	0.65
tblVehicleEF	MCY	2.60	2.61
tblVehicleEF	MCY	0.56	0.53
tblVehicleEF	MCY	2.03	1.80
tblVehicleEF	MCY	2.2930e-003	2.2220e-003
tblVehicleEF	MCY	6.5600e-004	5.8400e-004
tblVehicleEF	MCY	1.05	1.07
tblVehicleEF	MCY	0.61	0.63
tblVehicleEF	MCY	0.64	0.65
tblVehicleEF	MCY	3.25	3.26
tblVehicleEF	MCY	0.56	0.53
tblVehicleEF	MCY	2.21	1.96
tblVehicleEF	MCY	0.54	0.38
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	17.96	18.14
tblVehicleEF	MCY	8.84	7.79
tblVehicleEF	MCY	190.93	223.30
tblVehicleEF	MCY	43.78	57.07
tblVehicleEF	MCY	0.99	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.5350e-003	2.5310e-003
tblVehicleEF	MCY	3.5080e-003	3.0390e-003
tblVehicleEF	MCY	2.3660e-003	2.3630e-003
tblVehicleEF	MCY	3.2930e-003	2.8530e-003
tblVehicleEF	MCY	1.71	1.74
tblVehicleEF	MCY	0.67	0.70
tblVehicleEF	MCY	1.05	1.07

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	2.54	2.55
tblVehicleEF	MCY	0.53	0.49
tblVehicleEF	MCY	1.81	1.60
tblVehicleEF	MCY	2.2810e-003	2.2100e-003
tblVehicleEF	MCY	6.3500e-004	5.6500e-004
tblVehicleEF	MCY	1.71	1.74
tblVehicleEF	MCY	0.67	0.70
tblVehicleEF	MCY	1.05	1.07
tblVehicleEF	MCY	3.18	3.19
tblVehicleEF	MCY	0.53	0.49
tblVehicleEF	MCY	1.97	1.74
tblVehicleEF	MCY	0.55	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.72	18.91
tblVehicleEF	MCY	9.85	8.72
tblVehicleEF	MCY	190.93	224.78
tblVehicleEF	MCY	43.78	59.34
tblVehicleEF	MCY	1.11	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.5350e-003	2.5310e-003
tblVehicleEF	MCY	3.5080e-003	3.0390e-003
tblVehicleEF	MCY	2.3660e-003	2.3630e-003
tblVehicleEF	MCY	3.2930e-003	2.8530e-003
tblVehicleEF	MCY	1.15	1.17
tblVehicleEF	MCY	0.78	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	2.61	2.62

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	0.65	0.61
tblVehicleEF	MCY	2.07	1.84
tblVehicleEF	MCY	2.2950e-003	2.2240e-003
tblVehicleEF	MCY	6.5900e-004	5.8700e-004
tblVehicleEF	MCY	1.15	1.17
tblVehicleEF	MCY	0.78	0.81
tblVehicleEF	MCY	0.61	0.62
tblVehicleEF	MCY	3.26	3.27
tblVehicleEF	MCY	0.65	0.61
tblVehicleEF	MCY	2.25	2.00
tblVehicleEF	MDV	0.01	5.0130e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.10	0.99
tblVehicleEF	MDV	1.99	2.76
tblVehicleEF	MDV	481.40	399.25
tblVehicleEF	MDV	96.60	78.39
tblVehicleEF	MDV	0.12	0.08
tblVehicleEF	MDV	0.17	0.28
tblVehicleEF	MDV	2.2730e-003	1.8630e-003
tblVehicleEF	MDV	2.4250e-003	1.8230e-003
tblVehicleEF	MDV	2.0940e-003	1.7170e-003
tblVehicleEF	MDV	2.2300e-003	1.6760e-003
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.08	0.05

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	MDV	0.15	0.32
tblVehicleEF	MDV	4.8190e-003	3.8680e-003
tblVehicleEF	MDV	1.0000e-003	7.6000e-004
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.16	0.35
tblVehicleEF	MDV	0.01	5.3450e-003
tblVehicleEF	MDV	9.6010e-003	0.06
tblVehicleEF	MDV	1.21	1.08
tblVehicleEF	MDV	1.70	2.35
tblVehicleEF	MDV	502.45	411.21
tblVehicleEF	MDV	96.60	77.60
tblVehicleEF	MDV	0.10	0.07
tblVehicleEF	MDV	0.16	0.26
tblVehicleEF	MDV	2.2730e-003	1.8630e-003
tblVehicleEF	MDV	2.4250e-003	1.8230e-003
tblVehicleEF	MDV	2.0940e-003	1.7170e-003
tblVehicleEF	MDV	2.2300e-003	1.6760e-003
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.13	0.29

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	MDV	5.0310e-003	3.9840e-003
tblVehicleEF	MDV	9.9500e-004	7.5200e-004
tblVehicleEF	MDV	0.10	0.12
tblVehicleEF	MDV	0.14	0.13
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.14	0.32
tblVehicleEF	MDV	0.01	4.9100e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.06	0.95
tblVehicleEF	MDV	2.05	2.85
tblVehicleEF	MDV	473.66	394.87
tblVehicleEF	MDV	96.60	78.56
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.17	0.28
tblVehicleEF	MDV	2.2730e-003	1.8630e-003
tblVehicleEF	MDV	2.4250e-003	1.8230e-003
tblVehicleEF	MDV	2.0940e-003	1.7170e-003
tblVehicleEF	MDV	2.2300e-003	1.6760e-003
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.10	0.06
tblVehicleEF	MDV	0.15	0.33
tblVehicleEF	MDV	4.7420e-003	3.8260e-003

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	MDV	1.0010e-003	7.6200e-004
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.15	0.13
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.06
tblVehicleEF	MDV	0.16	0.36
tblVehicleEF	MH	0.02	7.7820e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.43	0.83
tblVehicleEF	MH	4.82	1.95
tblVehicleEF	MH	1,126.11	1,449.51
tblVehicleEF	MH	59.42	18.34
tblVehicleEF	MH	0.93	1.02
tblVehicleEF	MH	0.71	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.8700e-004	2.5500e-004
tblVehicleEF	MH	3.2070e-003	3.2580e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.0800e-004	2.3400e-004
tblVehicleEF	MH	0.76	0.67
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.33	0.29
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.28	0.09

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7800e-004	1.8200e-004
tblVehicleEF	MH	0.76	0.67
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.33	0.29
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.30	0.10
tblVehicleEF	MH	0.02	7.9570e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.47	0.85
tblVehicleEF	MH	4.54	1.84
tblVehicleEF	MH	1,126.11	1,449.54
tblVehicleEF	MH	59.42	18.15
tblVehicleEF	MH	0.86	0.95
tblVehicleEF	MH	0.68	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.8700e-004	2.5500e-004
tblVehicleEF	MH	3.2070e-003	3.2580e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.0800e-004	2.3400e-004
tblVehicleEF	MH	1.12	0.99
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.47	0.42
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.01

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	MH	0.27	0.08
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7300e-004	1.8000e-004
tblVehicleEF	MH	1.12	0.99
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.47	0.42
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.29	0.09
tblVehicleEF	MH	0.02	7.7360e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.42	0.82
tblVehicleEF	MH	4.87	1.97
tblVehicleEF	MH	1,126.11	1,449.50
tblVehicleEF	MH	59.42	18.38
tblVehicleEF	MH	0.91	1.00
tblVehicleEF	MH	0.71	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.8700e-004	2.5500e-004
tblVehicleEF	MH	3.2070e-003	3.2580e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.0800e-004	2.3400e-004
tblVehicleEF	MH	0.85	0.74
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.34	0.29
tblVehicleEF	MH	0.06	0.05

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.28	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7900e-004	1.8200e-004
tblVehicleEF	MH	0.85	0.74
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.34	0.29
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.31	0.10
tblVehicleEF	MHD	0.02	4.3060e-003
tblVehicleEF	MHD	3.4980e-003	1.7930e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.35	0.40
tblVehicleEF	MHD	0.29	0.24
tblVehicleEF	MHD	5.13	1.26
tblVehicleEF	MHD	132.56	63.66
tblVehicleEF	MHD	1,140.29	1,012.78
tblVehicleEF	MHD	61.49	11.37
tblVehicleEF	MHD	0.35	0.34
tblVehicleEF	MHD	0.76	1.09
tblVehicleEF	MHD	10.11	1.60
tblVehicleEF	MHD	9.0000e-005	2.8100e-004
tblVehicleEF	MHD	2.8650e-003	6.1500e-003
tblVehicleEF	MHD	7.8500e-004	1.2700e-004
tblVehicleEF	MHD	8.6000e-005	2.6800e-004
tblVehicleEF	MHD	2.7360e-003	5.8770e-003

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	7.2200e-004	1.1700e-004
tblVehicleEF	MHD	9.8100e-004	5.6200e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.6900e-004	3.7700e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.2770e-003	6.0500e-004
tblVehicleEF	MHD	0.01	9.6820e-003
tblVehicleEF	MHD	7.0500e-004	1.1200e-004
tblVehicleEF	MHD	9.8100e-004	5.6200e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.6900e-004	3.7700e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.35	0.06
tblVehicleEF	MHD	0.01	4.0880e-003
tblVehicleEF	MHD	3.5450e-003	1.8300e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.26	0.33
tblVehicleEF	MHD	0.30	0.24
tblVehicleEF	MHD	4.87	1.20
tblVehicleEF	MHD	140.40	63.64
tblVehicleEF	MHD	1,140.29	1,012.78
tblVehicleEF	MHD	61.49	11.26

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	0.36	0.33
tblVehicleEF	MHD	0.71	1.02
tblVehicleEF	MHD	10.08	1.60
tblVehicleEF	MHD	7.6000e-005	2.3900e-004
tblVehicleEF	MHD	2.8650e-003	6.1500e-003
tblVehicleEF	MHD	7.8500e-004	1.2700e-004
tblVehicleEF	MHD	7.2000e-005	2.2900e-004
tblVehicleEF	MHD	2.7360e-003	5.8770e-003
tblVehicleEF	MHD	7.2200e-004	1.1700e-004
tblVehicleEF	MHD	1.4660e-003	8.4100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.3700e-004	5.3000e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.30	0.06
tblVehicleEF	MHD	1.3510e-003	6.0500e-004
tblVehicleEF	MHD	0.01	9.6820e-003
tblVehicleEF	MHD	7.0000e-004	1.1100e-004
tblVehicleEF	MHD	1.4660e-003	8.4100e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	9.3700e-004	5.3000e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.33	0.06
tblVehicleEF	MHD	0.02	4.6210e-003

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	3.4850e-003	1.7820e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.49	0.49
tblVehicleEF	MHD	0.29	0.24
tblVehicleEF	MHD	5.18	1.27
tblVehicleEF	MHD	121.72	63.67
tblVehicleEF	MHD	1,140.29	1,012.78
tblVehicleEF	MHD	61.49	11.39
tblVehicleEF	MHD	0.33	0.35
tblVehicleEF	MHD	0.74	1.07
tblVehicleEF	MHD	10.12	1.60
tblVehicleEF	MHD	1.0900e-004	3.3800e-004
tblVehicleEF	MHD	2.8650e-003	6.1500e-003
tblVehicleEF	MHD	7.8500e-004	1.2700e-004
tblVehicleEF	MHD	1.0500e-004	3.2300e-004
tblVehicleEF	MHD	2.7360e-003	5.8770e-003
tblVehicleEF	MHD	7.2200e-004	1.1700e-004
tblVehicleEF	MHD	9.9000e-004	5.7100e-004
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	6.4900e-004	3.6600e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.32	0.06
tblVehicleEF	MHD	1.1750e-003	6.0500e-004
tblVehicleEF	MHD	0.01	9.6810e-003
tblVehicleEF	MHD	7.0600e-004	1.1300e-004

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	9.9000e-004	5.7100e-004
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.4900e-004	3.6600e-004
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.35	0.07
tblVehicleEF	OBUS	0.01	8.2790e-003
tblVehicleEF	OBUS	5.4840e-003	4.4590e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.25	0.62
tblVehicleEF	OBUS	0.41	0.55
tblVehicleEF	OBUS	4.93	2.26
tblVehicleEF	OBUS	102.93	91.55
tblVehicleEF	OBUS	1,248.17	1,334.72
tblVehicleEF	OBUS	67.50	18.55
tblVehicleEF	OBUS	0.22	0.36
tblVehicleEF	OBUS	0.71	1.18
tblVehicleEF	OBUS	2.50	0.85
tblVehicleEF	OBUS	2.0000e-005	1.2200e-004
tblVehicleEF	OBUS	2.7480e-003	7.3180e-003
tblVehicleEF	OBUS	8.4800e-004	2.0100e-004
tblVehicleEF	OBUS	1.9000e-005	1.1600e-004
tblVehicleEF	OBUS	2.6130e-003	6.9860e-003
tblVehicleEF	OBUS	7.8000e-004	1.8500e-004
tblVehicleEF	OBUS	1.3910e-003	1.8300e-003
tblVehicleEF	OBUS	0.02	0.02

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.6200e-004	9.5200e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	0.31	0.11
tblVehicleEF	OBUS	9.9400e-004	8.7100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6100e-004	1.8400e-004
tblVehicleEF	OBUS	1.3910e-003	1.8300e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.6200e-004	9.5200e-004
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	OBUS	0.01	8.3680e-003
tblVehicleEF	OBUS	5.5780e-003	4.5570e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.61
tblVehicleEF	OBUS	0.42	0.56
tblVehicleEF	OBUS	4.66	2.14
tblVehicleEF	OBUS	108.07	90.50
tblVehicleEF	OBUS	1,248.17	1,334.74
tblVehicleEF	OBUS	67.50	18.34
tblVehicleEF	OBUS	0.23	0.34
tblVehicleEF	OBUS	0.67	1.11
tblVehicleEF	OBUS	2.46	0.84

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	1.7000e-005	1.0800e-004
tblVehicleEF	OBUS	2.7480e-003	7.3180e-003
tblVehicleEF	OBUS	8.4800e-004	2.0100e-004
tblVehicleEF	OBUS	1.6000e-005	1.0300e-004
tblVehicleEF	OBUS	2.6130e-003	6.9860e-003
tblVehicleEF	OBUS	7.8000e-004	1.8500e-004
tblVehicleEF	OBUS	2.0340e-003	2.6620e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.0660e-003	1.3290e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	0.30	0.10
tblVehicleEF	OBUS	1.0430e-003	8.6100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.5700e-004	1.8100e-004
tblVehicleEF	OBUS	2.0340e-003	2.6620e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.0660e-003	1.3290e-003
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	0.32	0.11
tblVehicleEF	OBUS	0.01	8.1750e-003
tblVehicleEF	OBUS	5.4590e-003	4.4320e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.26	0.63

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	0.41	0.55
tblVehicleEF	OBUS	4.98	2.29
tblVehicleEF	OBUS	95.85	93.01
tblVehicleEF	OBUS	1,248.17	1,334.71
tblVehicleEF	OBUS	67.50	18.60
tblVehicleEF	OBUS	0.21	0.38
tblVehicleEF	OBUS	0.70	1.16
tblVehicleEF	OBUS	2.50	0.85
tblVehicleEF	OBUS	2.4000e-005	1.4000e-004
tblVehicleEF	OBUS	2.7480e-003	7.3180e-003
tblVehicleEF	OBUS	8.4800e-004	2.0100e-004
tblVehicleEF	OBUS	2.3000e-005	1.3400e-004
tblVehicleEF	OBUS	2.6130e-003	6.9860e-003
tblVehicleEF	OBUS	7.8000e-004	1.8500e-004
tblVehicleEF	OBUS	1.4050e-003	1.8930e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	7.3700e-004	9.3100e-004
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.04	0.08
tblVehicleEF	OBUS	0.31	0.11
tblVehicleEF	OBUS	9.2600e-004	8.8500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6200e-004	1.8400e-004
tblVehicleEF	OBUS	1.4050e-003	1.8930e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	7.3700e-004	9.3100e-004
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	0.04	0.08
tblVehicleEF	OBUS	0.34	0.12
tblVehicleEF	SBUS	0.83	0.08
tblVehicleEF	SBUS	0.01	6.3270e-003
tblVehicleEF	SBUS	0.06	6.7560e-003
tblVehicleEF	SBUS	8.41	3.07
tblVehicleEF	SBUS	0.61	0.53
tblVehicleEF	SBUS	7.01	0.92
tblVehicleEF	SBUS	1,089.91	350.83
tblVehicleEF	SBUS	1,062.27	1,077.28
tblVehicleEF	SBUS	57.76	5.70
tblVehicleEF	SBUS	7.82	2.99
tblVehicleEF	SBUS	3.46	4.30
tblVehicleEF	SBUS	11.58	0.99
tblVehicleEF	SBUS	7.0050e-003	3.3800e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.9100e-004	6.1000e-005
tblVehicleEF	SBUS	6.7020e-003	3.2330e-003
tblVehicleEF	SBUS	2.6490e-003	2.6600e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.1900e-004	5.6000e-005
tblVehicleEF	SBUS	3.4080e-003	1.0000e-003
tblVehicleEF	SBUS	0.03	8.7280e-003
tblVehicleEF	SBUS	1.00	0.35

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	1.8930e-003	5.5100e-004
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.37	0.04
tblVehicleEF	SBUS	0.01	3.3500e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.9900e-004	5.6000e-005
tblVehicleEF	SBUS	3.4080e-003	1.0000e-003
tblVehicleEF	SBUS	0.03	8.7280e-003
tblVehicleEF	SBUS	1.45	0.50
tblVehicleEF	SBUS	1.8930e-003	5.5100e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.41	0.04
tblVehicleEF	SBUS	0.83	0.08
tblVehicleEF	SBUS	0.01	6.3970e-003
tblVehicleEF	SBUS	0.05	6.0170e-003
tblVehicleEF	SBUS	8.31	3.04
tblVehicleEF	SBUS	0.62	0.54
tblVehicleEF	SBUS	5.69	0.75
tblVehicleEF	SBUS	1,137.73	357.66
tblVehicleEF	SBUS	1,062.27	1,077.29
tblVehicleEF	SBUS	57.76	5.42
tblVehicleEF	SBUS	8.07	3.05
tblVehicleEF	SBUS	3.26	4.05
tblVehicleEF	SBUS	11.55	0.98
tblVehicleEF	SBUS	5.9050e-003	2.8570e-003

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.9100e-004	6.1000e-005
tblVehicleEF	SBUS	5.6500e-003	2.7340e-003
tblVehicleEF	SBUS	2.6490e-003	2.6600e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.1900e-004	5.6000e-005
tblVehicleEF	SBUS	5.0090e-003	1.4560e-003
tblVehicleEF	SBUS	0.03	8.8720e-003
tblVehicleEF	SBUS	1.00	0.35
tblVehicleEF	SBUS	2.6560e-003	7.6500e-004
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.33	0.03
tblVehicleEF	SBUS	0.01	3.4140e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7700e-004	5.4000e-005
tblVehicleEF	SBUS	5.0090e-003	1.4560e-003
tblVehicleEF	SBUS	0.03	8.8720e-003
tblVehicleEF	SBUS	1.44	0.50
tblVehicleEF	SBUS	2.6560e-003	7.6500e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.36	0.04
tblVehicleEF	SBUS	0.83	0.08
tblVehicleEF	SBUS	0.01	6.3070e-003
tblVehicleEF	SBUS	0.06	6.9190e-003

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	8.54	3.12
tblVehicleEF	SBUS	0.61	0.53
tblVehicleEF	SBUS	7.24	0.95
tblVehicleEF	SBUS	1,023.86	341.40
tblVehicleEF	SBUS	1,062.27	1,077.27
tblVehicleEF	SBUS	57.76	5.75
tblVehicleEF	SBUS	7.48	2.92
tblVehicleEF	SBUS	3.40	4.22
tblVehicleEF	SBUS	11.58	0.99
tblVehicleEF	SBUS	8.5240e-003	4.1010e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.9100e-004	6.1000e-005
tblVehicleEF	SBUS	8.1550e-003	3.9240e-003
tblVehicleEF	SBUS	2.6490e-003	2.6600e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	8.1900e-004	5.6000e-005
tblVehicleEF	SBUS	3.3910e-003	9.9800e-004
tblVehicleEF	SBUS	0.03	9.0730e-003
tblVehicleEF	SBUS	1.00	0.35
tblVehicleEF	SBUS	1.8130e-003	5.2700e-004
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.2610e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	7.0300e-004	5.7000e-005

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	3.3910e-003	9.9800e-004
tblVehicleEF	SBUS	0.03	9.0730e-003
tblVehicleEF	SBUS	1.45	0.50
tblVehicleEF	SBUS	1.8130e-003	5.2700e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.42	0.04
tblVehicleEF	UBUS	2.28	5.81
tblVehicleEF	UBUS	0.05	9.6380e-003
tblVehicleEF	UBUS	10.20	45.15
tblVehicleEF	UBUS	8.89	0.71
tblVehicleEF	UBUS	1,934.49	1,977.77
tblVehicleEF	UBUS	104.15	7.97
tblVehicleEF	UBUS	8.69	0.47
tblVehicleEF	UBUS	14.82	0.07
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.12	3.2640e-003
tblVehicleEF	UBUS	1.1960e-003	7.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.11	3.1180e-003
tblVehicleEF	UBUS	1.1000e-003	6.5000e-005
tblVehicleEF	UBUS	4.1520e-003	3.8700e-004
tblVehicleEF	UBUS	0.07	4.8000e-003
tblVehicleEF	UBUS	2.4690e-003	2.9400e-004
tblVehicleEF	UBUS	0.74	0.08

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	0.02	1.1400e-003
tblVehicleEF	UBUS	0.69	0.04
tblVehicleEF	UBUS	9.7410e-003	1.4130e-003
tblVehicleEF	UBUS	1.2020e-003	7.9000e-005
tblVehicleEF	UBUS	4.1520e-003	3.8700e-004
tblVehicleEF	UBUS	0.07	4.8000e-003
tblVehicleEF	UBUS	2.4690e-003	2.9400e-004
tblVehicleEF	UBUS	3.11	5.93
tblVehicleEF	UBUS	0.02	1.1400e-003
tblVehicleEF	UBUS	0.76	0.05
tblVehicleEF	UBUS	2.29	5.81
tblVehicleEF	UBUS	0.05	8.9540e-003
tblVehicleEF	UBUS	10.25	45.15
tblVehicleEF	UBUS	7.71	0.62
tblVehicleEF	UBUS	1,934.49	1,977.77
tblVehicleEF	UBUS	104.15	7.82
tblVehicleEF	UBUS	8.19	0.47
tblVehicleEF	UBUS	14.77	0.07
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.12	3.2640e-003
tblVehicleEF	UBUS	1.1960e-003	7.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.11	3.1180e-003
tblVehicleEF	UBUS	1.1000e-003	6.5000e-005
tblVehicleEF	UBUS	5.9260e-003	5.6700e-004

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	0.07	5.0050e-003
tblVehicleEF	UBUS	3.3920e-003	4.1600e-004
tblVehicleEF	UBUS	0.75	0.08
tblVehicleEF	UBUS	0.02	1.0340e-003
tblVehicleEF	UBUS	0.64	0.04
tblVehicleEF	UBUS	9.7420e-003	1.4130e-003
tblVehicleEF	UBUS	1.1820e-003	7.7000e-005
tblVehicleEF	UBUS	5.9260e-003	5.6700e-004
tblVehicleEF	UBUS	0.07	5.0050e-003
tblVehicleEF	UBUS	3.3920e-003	4.1600e-004
tblVehicleEF	UBUS	3.12	5.93
tblVehicleEF	UBUS	0.02	1.0340e-003
tblVehicleEF	UBUS	0.70	0.04
tblVehicleEF	UBUS	2.28	5.81
tblVehicleEF	UBUS	0.05	9.7890e-003
tblVehicleEF	UBUS	10.19	45.15
tblVehicleEF	UBUS	9.10	0.72
tblVehicleEF	UBUS	1,934.49	1,977.77
tblVehicleEF	UBUS	104.15	8.00
tblVehicleEF	UBUS	8.53	0.47
tblVehicleEF	UBUS	14.83	0.07
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.12	3.2640e-003
tblVehicleEF	UBUS	1.1960e-003	7.1000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003

Long Beach Water Well - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	0.11	3.1180e-003
tblVehicleEF	UBUS	1.1000e-003	6.5000e-005
tblVehicleEF	UBUS	4.6510e-003	3.9100e-004
tblVehicleEF	UBUS	0.08	5.2240e-003
tblVehicleEF	UBUS	2.5600e-003	2.8300e-004
tblVehicleEF	UBUS	0.74	0.08
tblVehicleEF	UBUS	0.03	1.3890e-003
tblVehicleEF	UBUS	0.71	0.04
tblVehicleEF	UBUS	9.7410e-003	1.4130e-003
tblVehicleEF	UBUS	1.2060e-003	7.9000e-005
tblVehicleEF	UBUS	4.6510e-003	3.9100e-004
tblVehicleEF	UBUS	0.08	5.2240e-003
tblVehicleEF	UBUS	2.5600e-003	2.8300e-004
tblVehicleEF	UBUS	3.10	5.93
tblVehicleEF	UBUS	0.03	1.3890e-003
tblVehicleEF	UBUS	0.77	0.05
tblVehicleTrips	ST_TR	1.68	44.57
tblVehicleTrips	SU_TR	1.68	44.57
tblVehicleTrips	WD_TR	1.68	44.57
tblWater	IndoorWaterUseRate	182,687.50	0.00

2.0 Emissions Summary

Long Beach Water Well - 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	0.0166	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.7000e-004	1.7000e-004	0.0000		1.8000e-004
Energy	2.0000e-005	1.8000e-004	1.5000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.2202	0.2202	0.0000	0.0000	0.2216
Mobile	0.0644	0.1995	1.0039	3.1500e-003	0.3199	2.4500e-003	0.3224	0.0854	2.2900e-003	0.0877		331.5975	331.5975	0.0218		332.1421
Stationary	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	0.0809	0.1997	1.0041	3.1500e-003	0.3199	2.4600e-003	0.3224	0.0854	2.3000e-003	0.0877		331.8179	331.8179	0.0218	0.0000	332.3638

Long Beach Water Well - Los Angeles-South Coast County, Winter

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	lb/day										lb/day					
Area	0.0166	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.7000e-004	1.7000e-004	0.0000		1.8000e-004
Energy	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1565	0.1565	0.0000	0.0000	0.1574
Mobile	0.0644	0.1995	1.0039	3.1500e-003	0.3199	2.4500e-003	0.3224	0.0854	2.2900e-003	0.0877		331.5975	331.5975	0.0218		332.1421
Stationary	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	0.0809	0.1997	1.0041	3.1500e-003	0.3199	2.4600e-003	0.3224	0.0854	2.3000e-003	0.0877		331.7541	331.7541	0.0218	0.0000	332.2997

	ROG	NOx	CO	SO2	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	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.02

3.0 Construction Detail

Construction Phase

Long Beach Water Well - Los Angeles-South Coast County, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/3/2022	1/16/2022	5	10	
2	Paving	Paving	1/3/2022	1/16/2022	5	10	
3	Well Drilling	Building Construction	1/17/2022	5/17/2022	5	87	
4	Pipeline Trenching	Trenching	5/22/2023	6/18/2023	5	20	
5	Treatment Plant Construction	Building Construction	5/22/2023	11/22/2023	5	133	
6	Treatment Plant Architectural Coating	Architectural Coating	11/22/2023	11/28/2023	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,178; Non-Residential Outdoor: 393; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Well Drilling	Bore/Drill Rigs	1	24.00	221	0.50
Well Drilling	Cranes	1	8.00	231	0.29
Well Drilling	Forklifts	1	24.00	89	0.20
Well Drilling	Pavers	1	8.00	130	0.42
Well Drilling	Paving Equipment	1	8.00	132	0.36
Well Drilling	Pumps	1	24.00	84	0.74

Long Beach Water Well - Los Angeles-South Coast County, Winter

Well Drilling	Rollers	1	8.00	80	0.38
Well Drilling	Skid Steer Loaders	1	24.00	65	0.37
Well Drilling	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	0	7.00	130	0.42
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Pipeline Trenching	Cranes	1	8.00	231	0.29
Pipeline Trenching	Excavators	1	8.00	158	0.38
Pipeline Trenching	Pumps	3	8.00	84	0.74
Pipeline Trenching	Rollers	1	8.00	80	0.38
Pipeline Trenching	Rubber Tired Dozers	1	8.00	247	0.40
Pipeline Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Treatment Plant Construction	Cranes	1	8.00	231	0.29
Treatment Plant Construction	Forklifts	2	6.00	89	0.20
Treatment Plant Construction	Pumps	1	8.00	84	0.74
Treatment Plant Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Treatment Plant Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Long Beach Water Well - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Well Drilling	9	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Pipeline Trenching	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Treatment Plant Construction	6	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Treatment Plant Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2024	1.7770	3.2551	5.1700e-003		0.0859	0.0859		0.0790	0.0790		500.0153	500.0153	0.1617		504.0582
Total	0.2024	1.7770	3.2551	5.1700e-003	0.0000	0.0859	0.0859	0.0000	0.0790	0.0790		500.0153	500.0153	0.1617		504.0582

Long Beach Water Well - Los Angeles-South Coast County, Winter

3.2 Grading - 2022

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	0.0134	8.8400e-003	0.1018	3.1000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		31.0371	31.0371	8.5000e-004		31.0585
Total	0.0134	8.8400e-003	0.1018	3.1000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		31.0371	31.0371	8.5000e-004		31.0585

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2024	1.7770	3.2551	5.1700e-003		0.0859	0.0859		0.0790	0.0790	0.0000	500.0153	500.0153	0.1617		504.0582
Total	0.2024	1.7770	3.2551	5.1700e-003	0.0000	0.0859	0.0859	0.0000	0.0790	0.0790	0.0000	500.0153	500.0153	0.1617		504.0582

Long Beach Water Well - Los Angeles-South Coast County, Winter

3.2 Grading - 2022

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	0.0134	8.8400e-003	0.1018	3.1000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		31.0371	31.0371	8.5000e-004		31.0585
Total	0.0134	8.8400e-003	0.1018	3.1000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		31.0371	31.0371	8.5000e-004		31.0585

3.3 Paving - 2022

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	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746

Long Beach Water Well - Los Angeles-South Coast County, Winter

3.3 Paving - 2022

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	0.0134	8.8400e-003	0.1018	3.1000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		31.0371	31.0371	8.5000e-004		31.0585
Total	0.0134	8.8400e-003	0.1018	3.1000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		31.0371	31.0371	8.5000e-004		31.0585

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	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829	0.0000	301.2390	301.2390	0.0974		303.6746

Long Beach Water Well - Los Angeles-South Coast County, Winter

3.3 Paving - 2022

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	0.0134	8.8400e-003	0.1018	3.1000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		31.0371	31.0371	8.5000e-004		31.0585
Total	0.0134	8.8400e-003	0.1018	3.1000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		31.0371	31.0371	8.5000e-004		31.0585

3.4 Well Drilling - 2022

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	3.3668	33.0786	36.3623	0.0791		1.5463	1.5463		1.4599	1.4599		7,618.9519	7,618.9519	1.9550		7,667.8268
Total	3.3668	33.0786	36.3623	0.0791		1.5463	1.5463		1.4599	1.4599		7,618.9519	7,618.9519	1.9550		7,667.8268

Long Beach Water Well - Los Angeles-South Coast County, Winter

3.4 Well Drilling - 2022

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	0.1030	0.0677	0.7801	2.3900e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8500e-003	0.0700		237.9510	237.9510	6.5500e-003		238.1148
Total	0.1030	0.0677	0.7801	2.3900e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8500e-003	0.0700		237.9510	237.9510	6.5500e-003		238.1148

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	3.3668	33.0786	36.3623	0.0791		1.5463	1.5463		1.4599	1.4599	0.0000	7,618.9519	7,618.9519	1.9550		7,667.8268
Total	3.3668	33.0786	36.3623	0.0791		1.5463	1.5463		1.4599	1.4599	0.0000	7,618.9519	7,618.9519	1.9550		7,667.8268

Long Beach Water Well - Los Angeles-South Coast County, Winter

3.4 Well Drilling - 2022

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	0.1030	0.0677	0.7801	2.3900e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8500e-003	0.0700		237.9510	237.9510	6.5500e-003		238.1148
Total	0.1030	0.0677	0.7801	2.3900e-003	0.2571	2.0100e-003	0.2591	0.0682	1.8500e-003	0.0700		237.9510	237.9510	6.5500e-003		238.1148

3.5 Pipeline Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5132	23.8956	23.4579	0.0450		1.1250	1.1250		1.0674	1.0674		4,310.7135	4,310.7135	0.8752		4,332.5929
Total	2.5132	23.8956	23.4579	0.0450		1.1250	1.1250		1.0674	1.0674		4,310.7135	4,310.7135	0.8752		4,332.5929

Long Beach Water Well - Los Angeles-South Coast County, Winter

3.5 Pipeline Trenching - 2023

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	0.0844	0.0533	0.6235	2.0000e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5700e-003	0.0609		199.3441	199.3441	5.1300e-003		199.4724
Total	0.0844	0.0533	0.6235	2.0000e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5700e-003	0.0609		199.3441	199.3441	5.1300e-003		199.4724

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5132	23.8956	23.4579	0.0450		1.1250	1.1250		1.0674	1.0674	0.0000	4,310.7135	4,310.7135	0.8752		4,332.5929
Total	2.5132	23.8956	23.4579	0.0450		1.1250	1.1250		1.0674	1.0674	0.0000	4,310.7135	4,310.7135	0.8752		4,332.5929

Long Beach Water Well - Los Angeles-South Coast County, Winter

3.5 Pipeline Trenching - 2023

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	0.0844	0.0533	0.6235	2.0000e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5700e-003	0.0609		199.3441	199.3441	5.1300e-003		199.4724
Total	0.0844	0.0533	0.6235	2.0000e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5700e-003	0.0609		199.3441	199.3441	5.1300e-003		199.4724

3.6 Treatment Plant Construction - 2023

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	1.1357	11.0792	11.7395	0.0209		0.5348	0.5348		0.5028	0.5028		2,007.0531	2,007.0531	0.4761		2,018.9561
Total	1.1357	11.0792	11.7395	0.0209		0.5348	0.5348		0.5028	0.5028		2,007.0531	2,007.0531	0.4761		2,018.9561

Long Beach Water Well - Los Angeles-South Coast County, Winter

3.6 Treatment Plant Construction - 2023

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	0.0422	0.0266	0.3118	1.0000e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		99.6721	99.6721	2.5700e-003		99.7362
Total	0.0422	0.0266	0.3118	1.0000e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		99.6721	99.6721	2.5700e-003		99.7362

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	1.1357	11.0792	11.7395	0.0209		0.5348	0.5348		0.5028	0.5028	0.0000	2,007.0531	2,007.0531	0.4761		2,018.9561
Total	1.1357	11.0792	11.7395	0.0209		0.5348	0.5348		0.5028	0.5028	0.0000	2,007.0531	2,007.0531	0.4761		2,018.9561

Long Beach Water Well - Los Angeles-South Coast County, Winter

3.6 Treatment Plant Construction - 2023

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	0.0422	0.0266	0.3118	1.0000e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		99.6721	99.6721	2.5700e-003		99.7362
Total	0.0422	0.0266	0.3118	1.0000e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		99.6721	99.6721	2.5700e-003		99.7362

3.7 Treatment Plant Architectural Coating - 2023

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	1.4563					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
Total	1.7119	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253

Long Beach Water Well - Los Angeles-South Coast County, Winter

3.7 Treatment Plant Architectural Coating - 2023

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	0.0127	7.9900e-003	0.0935	3.0000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.3000e-004	9.1300e-003		29.9016	29.9016	7.7000e-004		29.9209
Total	0.0127	7.9900e-003	0.0935	3.0000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.3000e-004	9.1300e-003		29.9016	29.9016	7.7000e-004		29.9209

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	1.4563					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
Total	1.7119	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253

Long Beach Water Well - Los Angeles-South Coast County, Winter

3.7 Treatment Plant Architectural Coating - 2023

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	0.0127	7.9900e-003	0.0935	3.0000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.3000e-004	9.1300e-003		29.9016	29.9016	7.7000e-004		29.9209
Total	0.0127	7.9900e-003	0.0935	3.0000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.3000e-004	9.1300e-003		29.9016	29.9016	7.7000e-004		29.9209

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Long Beach Water Well - 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	0.0644	0.1995	1.0039	3.1500e-003	0.3199	2.4500e-003	0.3224	0.0854	2.2900e-003	0.0877		331.5975	331.5975	0.0218		332.1421
Unmitigated	0.0644	0.1995	1.0039	3.1500e-003	0.3199	2.4500e-003	0.3224	0.0854	2.2900e-003	0.0877		331.5975	331.5975	0.0218		332.1421

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	35.21	35.21	35.21	150,901	150,901
Total	35.21	35.21	35.21	150,901	150,901

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
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Long Beach Water Well - Los Angeles-South Coast County, Winter

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	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1565	0.1565	0.0000	0.0000	0.1574
NaturalGas Unmitigated	2.0000e-005	1.8000e-004	1.5000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.2202	0.2202	0.0000	0.0000	0.2216

Long Beach Water Well - 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					
Unrefrigerated Warehouse-No Rail	1.87205	2.0000e-005	1.8000e-004	1.5000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.2202	0.2202	0.0000	0.0000	0.2216
Total		2.0000e-005	1.8000e-004	1.5000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.2202	0.2202	0.0000	0.0000	0.2216

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					
Unrefrigerated Warehouse-No Rail	0.0013298	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1565	0.1565	0.0000	0.0000	0.1574
Total		1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1565	0.1565	0.0000	0.0000	0.1574

6.0 Area Detail

6.1 Mitigation Measures Area

Long Beach Water Well - 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	0.0166	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.7000e-004	1.7000e-004	0.0000		1.8000e-004
Unmitigated	0.0166	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.7000e-004	1.7000e-004	0.0000		1.8000e-004

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	1.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0156					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.7000e-004	1.7000e-004	0.0000		1.8000e-004
Total	0.0166	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.7000e-004	1.7000e-004	0.0000		1.8000e-004

Long Beach Water Well - 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	1.0000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0156					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.7000e-004	1.7000e-004	0.0000		1.8000e-004
Total	0.0166	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		1.7000e-004	1.7000e-004	0.0000		1.8000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Long Beach Water Well - Los Angeles-South Coast County, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	24	308.311	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/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	
Equipment Type	lb/day										lb/day						
Emergency Generator - Diesel (300 - 600 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

11.0 Vegetation

**Cal Water Well Project
Energy Calculations**

Land Use	Natural Gas Use		Electricity Use	
	(kBTU/yr)	(Therms)	(kWh/yr)	(MWh/yr)
Unrefrigerated Warehouse-No Rail	485	5	2,032,010	2,032
Totals	485	5	2,032,010	2,032

1 kBTU = 0.01 therms

Energy Type	Project Annual Energy Consumption	Los Angeles County Annual Energy Consumption (2019)	Percentage Increase Countywide
Electricity (MWh)	2,032	66,118,673	0.0031%
Natural Gas (Therms)	5	3,048,321	0.0002%

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

Cal Water Well Project Energy Calculations

Vehicle Type	Percent of Vehicle Trips ¹	Daily Trips ²	Annual Vehicle Miles Traveled	Average Fuel Economy (miles per gallon) ³	Total Annual Fuel Consumption (gallons) ⁴
Passenger Cars	0.55	19	82,513	22	3,751
Light/Medium Trucks	0.41	14	61,509	17.3	3,555
Heavy Trucks/Other	0.04	1	6,001	6.4	938
TOTAL⁶	1.00	35	150,023	--	8,244

Notes:

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

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

**Cal Water Well Project
Energy Calculations**

WORKER TRIPS						
Phase	Phase Length (# days)	# Worker Trips	Worker Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Grading	10	3	14.7	441		17.71
Paving	10	23	14.7	3381		135.77
Well Drilling	87	3	14.7	3837	24.90284233	154.07
Pipeline Trenching	20	20	14.7	5880		236.12
Treatment Plant Construction	133	10	14.7	19551		785.09
Treatment Plant Architectural Coating	5	3	14.7	221		8.85
1337.61						
VENDOR TRIPS						
Phase	Phase Length (# days)	# Vendor Trips	Vendor Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Grading	10	0	6.9	0		0.00
Paving	10	0	6.9	0		0.00
Well Drilling	87	0	6.9	0	8.343886151	0.00
Pipeline Trenching	20	0	6.9	0		0.00
Treatment Plant Construction	133	0	6.9	0		0.00
Treatment Plant Architectural Coating	5	0	6.9	0		0.00
0.00						
HAULING TRIPS						
Phase	Phase Length (# days)	# Hauling Trips	Hauling Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)¹	Total Fuel Consumption
Grading	10	0	20	0		0.00
Paving	10	0	20	0		0.00
Well Drilling	87	0	20	0		0.00
Pipeline Trenching	20	0	20	0	8.343886151	0.00
Treatment Plant Construction	133	0	20	0		0.00
Treatment Plant Architectural Coating	5	0	20	0		0.00
0.00						
TOTAL OFF-SITE MOBILE GALLONS CONSUMED DURING CONSTRUCTION						1,337.61

**Cal Water Well Project
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)
Grading	Excavators	1	8	158	0.38	2.4016	8	10	192.13
Well Drilling	Bore/Drill Rigs	1	24	221	0.5	4.42	24	87	9228.96
Well Drilling	Cranes	1	8	231	0.29	2.6796	8	87	1865.00
Well Drilling	Forklifts	1	24	89	0.2	0.712	24	87	1486.66
Well Drilling	Pavers	1	8	130	0.42	2.184	8	87	1520.06
Well Drilling	Paving Equipment	1	8	132	0.36	1.9008	8	87	1322.96
Well Drilling	Pumps	1	24	84	0.74	2.4864	24	87	5191.60
Well Drilling	Rollers	1	8	80	0.38	1.216	8	87	846.34
Well Drilling	Skid Steer Loaders	1	24	65	0.37	0.962	24	87	2008.66
Well Drilling	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	87	999.18
Paving	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	10	114.85
Pipeline Trenching	Cranes	1	8	231	0.29	2.6796	8	20	428.74
Pipeline Trenching	Excavators	1	8	158	0.38	2.4016	8	20	384.26
Pipeline Trenching	Pumps	3	8	84	0.74	2.4864	24	20	1193.47
Pipeline Trenching	Rollers	1	8	80	0.38	1.216	8	20	194.56
Pipeline Trenching	Rubber Tired Dozers	1	8	247	0.4	3.952	8	20	632.32
Pipeline Trenching	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	20	229.70
Treatment Plant Construction	Cranes	1	8	231	0.29	2.6796	8	133	2851.09
Treatment Plant Construction	Forklifts	2	6	89	0.2	0.712	12	133	1136.35
Treatment Plant Construction	Pumps	1	8	84	0.74	2.4864	8	133	2645.53
Treatment Plant Construction	Tractors/Loaders/Backhoes	2	8	97	0.37	1.4356	16	133	3054.96
Treatment Plant Architectural Coatin	Air Compressors	1	8	78	0.48	1.4976	8	5	59.90
Total:									37,587
Notes: Off-Site Mobile Constructic									1,338
TOTAL:									38,925
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.									