

Appendix G: CalEEMod Output Files

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

Pacheco Conduit O&M
Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses					
City Park	0.00	Acre	0.00	43,560.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

Project Characteristics -

Land Use - square feet of the entire length of the pipeline

Construction Phase - Site prep 10/02/2017 - 11/03/2017

Dewatering 11/03/2017 - 11/26/2017

Maintenance 11/26/2017 - 01/20/2018

Restoration 01/30/2018 - 02-23-2018

Off-road Equipment - Day one of dewatering process

Off-road Equipment - Dewatering phase

Off-road Equipment - Mandatory field that is not necessary for this project

Off-road Equipment - Maintenance/Inspection phase of the project.

Off-road Equipment - Site Restoration phase

Off-road Equipment - Architectural coating inside the pipeline.

Off-road Equipment - No equipment will be used. This is a mandatory field and is not needed for this project.

Demolition - Not three tons but three truckloads

Trips and VMT - No vendor trips. All materials brough by the District or their contractor.

Architectural Coating - area of the inside of the pipline to be coated.

Road Dust -

Consumer Products - Not a park so there is no pesticides or fertilizers applied. Nor is there degreaser in a pipeline.

Area Coating - area of the interior of the pipeline

Landscape Equipment - Not a park so no landscape equipment needed that will have any emissions. Hand tools only will be used.

Water And Wastewater - Pipline so there is no need for wastewater treatment in this area.

Land Use Change -

Sequestration -

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment - x

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	0.00	34,837.16
tblAreaCoating	Area_Nonresidential_Interior	0	34837.176

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	PhaseEndDate	3/21/2018	2/23/2018
tblConstructionPhase	PhaseEndDate	3/7/2018	1/30/2018
tblConstructionPhase	PhaseEndDate	10/13/2017	10/2/2017
tblConstructionPhase	PhaseEndDate	10/18/2017	10/2/2017
tblConstructionPhase	PhaseEndDate	3/14/2018	11/26/2017
tblConstructionPhase	PhaseEndDate	10/16/2017	11/2/2017
tblConstructionPhase	PhaseStartDate	3/15/2018	1/30/2018
tblConstructionPhase	PhaseStartDate	10/19/2017	11/26/2017
tblConstructionPhase	PhaseStartDate	10/17/2017	10/2/2017
tblConstructionPhase	PhaseStartDate	3/8/2018	11/3/2017
tblConstructionPhase	PhaseStartDate	10/14/2017	10/2/2017
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblLandUse	LandUseSquareFeet	0.00	43,560.00
tblOffRoadEquipment	HorsePower	402.00	231.00
tblOffRoadEquipment	HorsePower	402.00	187.00
tblOffRoadEquipment	HorsePower	84.00	97.00
tblOffRoadEquipment	HorsePower	231.00	9.00
tblOffRoadEquipment	HorsePower	84.00	130.00
tblOffRoadEquipment	HorsePower	172.00	80.00
tblOffRoadEquipment	LoadFactor	0.44	0.44
tblOffRoadEquipment	LoadFactor	0.38	0.29
tblOffRoadEquipment	LoadFactor	0.38	0.41
tblOffRoadEquipment	LoadFactor	0.74	0.37
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Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblOffRoadEquipment	LoadFactor	0.42	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Tractors
tblOffRoadEquipment	OffRoadEquipmentType	Cranes	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes	Pumps
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers	Cranes
tblOffRoadEquipment	OffRoadEquipmentType	Pavers	Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType	Rollers	Other Construction Equipment
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblTripsAndVMT	WorkerTripNumber	130.00	115.00
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Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

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Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

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Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

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Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

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Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

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Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

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Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

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Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

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Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

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Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

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Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

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tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.14	0.13

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.17	0.14
tblVehicleEF	LDT2	3.9630e-003	3.8510e-003
tblVehicleEF	LDT2	9.3300e-004	9.0600e-004
tblVehicleEF	LDT2	0.05	0.04
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.18	0.16
tblVehicleEF	LDT2	8.6270e-003	7.7370e-003
tblVehicleEF	LDT2	0.01	8.7340e-003
tblVehicleEF	LDT2	1.11	1.00
tblVehicleEF	LDT2	1.91	1.68
tblVehicleEF	LDT2	425.72	413.81
tblVehicleEF	LDT2	89.06	86.87
tblVehicleEF	LDT2	0.19	0.19
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.19	0.16
tblVehicleEF	LDT2	1.6510e-003	1.6850e-003
tblVehicleEF	LDT2	2.2360e-003	2.2430e-003
tblVehicleEF	LDT2	1.5190e-003	1.5500e-003
tblVehicleEF	LDT2	2.0580e-003	2.0620e-003
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.16	0.15

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.14	0.12
tblVehicleEF	LDT2	4.2670e-003	4.1470e-003
tblVehicleEF	LDT2	9.2400e-004	8.9700e-004
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.15	0.13
tblVehicleEF	LDT2	7.6450e-003	6.8380e-003
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.95	0.85
tblVehicleEF	LDT2	2.87	2.52
tblVehicleEF	LDT2	391.84	380.89
tblVehicleEF	LDT2	89.06	86.87
tblVehicleEF	LDT2	0.19	0.19
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	0.24	0.20
tblVehicleEF	LDT2	1.6510e-003	1.6850e-003
tblVehicleEF	LDT2	2.2360e-003	2.2430e-003
tblVehicleEF	LDT2	1.5190e-003	1.5500e-003
tblVehicleEF	LDT2	2.0580e-003	2.0620e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.15	0.14

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.19	0.16
tblVehicleEF	LDT2	3.9270e-003	3.8160e-003
tblVehicleEF	LDT2	9.4000e-004	9.1200e-004
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.15	0.14
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.21	0.18
tblVehicleEF	LHD1	6.3730e-003	6.1970e-003
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.16	0.16
tblVehicleEF	LHD1	1.52	1.41
tblVehicleEF	LHD1	3.38	3.20
tblVehicleEF	LHD1	9.07	9.07
tblVehicleEF	LHD1	726.98	718.95
tblVehicleEF	LHD1	34.88	34.19
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.86	1.75
tblVehicleEF	LHD1	1.16	1.13
tblVehicleEF	LHD1	8.8700e-004	9.0000e-004
tblVehicleEF	LHD1	9.8490e-003	9.9070e-003

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.2250e-003	1.1550e-003
tblVehicleEF	LHD1	8.4800e-004	8.6100e-004
tblVehicleEF	LHD1	2.4620e-003	2.4770e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.1290e-003	1.0630e-003
tblVehicleEF	LHD1	2.5790e-003	2.5480e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.3140e-003	1.3220e-003
tblVehicleEF	LHD1	0.15	0.15
tblVehicleEF	LHD1	0.32	0.32
tblVehicleEF	LHD1	0.35	0.33
tblVehicleEF	LHD1	7.1590e-003	7.0740e-003
tblVehicleEF	LHD1	4.1300e-004	4.0200e-004
tblVehicleEF	LHD1	2.5790e-003	2.5480e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3140e-003	1.3220e-003
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD1	0.32	0.32
tblVehicleEF	LHD1	0.38	0.36
tblVehicleEF	LHD1	6.3730e-003	6.1970e-003
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.16	0.16
tblVehicleEF	LHD1	1.55	1.45

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD1	3.11	2.94
tblVehicleEF	LHD1	9.07	9.07
tblVehicleEF	LHD1	726.98	718.95
tblVehicleEF	LHD1	34.88	34.19
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.77	1.66
tblVehicleEF	LHD1	1.08	1.05
tblVehicleEF	LHD1	8.8700e-004	9.0000e-004
tblVehicleEF	LHD1	9.8490e-003	9.9070e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.2250e-003	1.1550e-003
tblVehicleEF	LHD1	8.4800e-004	8.6100e-004
tblVehicleEF	LHD1	2.4620e-003	2.4770e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.1290e-003	1.0630e-003
tblVehicleEF	LHD1	6.2790e-003	6.1600e-003
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.9320e-003	2.9100e-003
tblVehicleEF	LHD1	0.15	0.15
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.32	0.31
tblVehicleEF	LHD1	7.1590e-003	7.0750e-003
tblVehicleEF	LHD1	4.0800e-004	3.9800e-004
tblVehicleEF	LHD1	6.2790e-003	6.1600e-003
tblVehicleEF	LHD1	0.12	0.12

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.9320e-003	2.9100e-003
tblVehicleEF	LHD1	0.20	0.19
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.36	0.34
tblVehicleEF	LHD1	6.3730e-003	6.1970e-003
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	0.16	0.16
tblVehicleEF	LHD1	1.49	1.39
tblVehicleEF	LHD1	3.65	3.45
tblVehicleEF	LHD1	9.07	9.07
tblVehicleEF	LHD1	726.98	718.95
tblVehicleEF	LHD1	34.88	34.19
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.90	1.78
tblVehicleEF	LHD1	1.23	1.20
tblVehicleEF	LHD1	8.8700e-004	9.0000e-004
tblVehicleEF	LHD1	9.8490e-003	9.9070e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.2250e-003	1.1550e-003
tblVehicleEF	LHD1	8.4800e-004	8.6100e-004
tblVehicleEF	LHD1	2.4620e-003	2.4770e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.1290e-003	1.0630e-003
tblVehicleEF	LHD1	1.0660e-003	1.0720e-003

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	5.9300e-004	6.0400e-004
tblVehicleEF	LHD1	0.15	0.15
tblVehicleEF	LHD1	0.36	0.36
tblVehicleEF	LHD1	0.37	0.35
tblVehicleEF	LHD1	7.1580e-003	7.0740e-003
tblVehicleEF	LHD1	4.1800e-004	4.0700e-004
tblVehicleEF	LHD1	1.0660e-003	1.0720e-003
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	5.9300e-004	6.0400e-004
tblVehicleEF	LHD1	0.19	0.18
tblVehicleEF	LHD1	0.36	0.36
tblVehicleEF	LHD1	0.40	0.38
tblVehicleEF	LHD2	4.4560e-003	4.2720e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.85	0.76
tblVehicleEF	LHD2	1.80	1.63
tblVehicleEF	LHD2	14.16	14.14
tblVehicleEF	LHD2	751.30	740.78
tblVehicleEF	LHD2	27.34	26.63
tblVehicleEF	LHD2	5.3750e-003	5.3730e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.53	1.34

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD2	0.67	0.62
tblVehicleEF	LHD2	1.3130e-003	1.3150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.8700e-004	5.3500e-004
tblVehicleEF	LHD2	1.2560e-003	1.2580e-003
tblVehicleEF	LHD2	2.6550e-003	2.6640e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.4100e-004	4.9300e-004
tblVehicleEF	LHD2	1.1660e-003	1.0580e-003
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.0200e-004	5.6200e-004
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	1.3900e-004	1.3800e-004
tblVehicleEF	LHD2	7.3210e-003	7.2150e-003
tblVehicleEF	LHD2	3.0700e-004	2.9600e-004
tblVehicleEF	LHD2	1.1660e-003	1.0580e-003
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.0200e-004	5.6200e-004
tblVehicleEF	LHD2	0.15	0.15
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	0.19	0.17
tblVehicleEF	LHD2	4.4560e-003	4.2720e-003

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.86	0.77
tblVehicleEF	LHD2	1.66	1.50
tblVehicleEF	LHD2	14.16	14.14
tblVehicleEF	LHD2	751.30	740.78
tblVehicleEF	LHD2	27.34	26.63
tblVehicleEF	LHD2	5.3750e-003	5.3730e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.47	1.29
tblVehicleEF	LHD2	0.62	0.58
tblVehicleEF	LHD2	1.3130e-003	1.3150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.8700e-004	5.3500e-004
tblVehicleEF	LHD2	1.2560e-003	1.2580e-003
tblVehicleEF	LHD2	2.6550e-003	2.6640e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.4100e-004	4.9300e-004
tblVehicleEF	LHD2	2.8300e-003	2.5470e-003
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3360e-003	1.2300e-003
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.16	0.14

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD2	1.3900e-004	1.3800e-004
tblVehicleEF	LHD2	7.3210e-003	7.2150e-003
tblVehicleEF	LHD2	3.0400e-004	2.9400e-004
tblVehicleEF	LHD2	2.8300e-003	2.5470e-003
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3360e-003	1.2300e-003
tblVehicleEF	LHD2	0.16	0.15
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.18	0.16
tblVehicleEF	LHD2	4.4560e-003	4.2720e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.84	0.76
tblVehicleEF	LHD2	1.93	1.75
tblVehicleEF	LHD2	14.16	14.14
tblVehicleEF	LHD2	751.30	740.78
tblVehicleEF	LHD2	27.34	26.63
tblVehicleEF	LHD2	5.3750e-003	5.3730e-003
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.56	1.37
tblVehicleEF	LHD2	0.71	0.66
tblVehicleEF	LHD2	1.3130e-003	1.3150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.8700e-004	5.3500e-004

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD2	1.2560e-003	1.2580e-003
tblVehicleEF	LHD2	2.6550e-003	2.6640e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.4100e-004	4.9300e-004
tblVehicleEF	LHD2	4.9800e-004	4.6200e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.7500e-004	2.6100e-004
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.18	0.16
tblVehicleEF	LHD2	1.3900e-004	1.3800e-004
tblVehicleEF	LHD2	7.3210e-003	7.2150e-003
tblVehicleEF	LHD2	3.0900e-004	2.9900e-004
tblVehicleEF	LHD2	4.9800e-004	4.6200e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.7500e-004	2.6100e-004
tblVehicleEF	LHD2	0.15	0.14
tblVehicleEF	LHD2	0.13	0.12
tblVehicleEF	LHD2	0.20	0.18
tblVehicleEF	MCY	0.44	0.44
tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	22.11	21.48
tblVehicleEF	MCY	10.14	10.16
tblVehicleEF	MCY	170.79	171.57
tblVehicleEF	MCY	47.74	47.24

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	MCY	6.0050e-003	5.9750e-003
tblVehicleEF	MCY	1.18	1.18
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	1.9200e-003	1.9670e-003
tblVehicleEF	MCY	4.8160e-003	4.6320e-003
tblVehicleEF	MCY	1.8050e-003	1.8460e-003
tblVehicleEF	MCY	4.5650e-003	4.3860e-003
tblVehicleEF	MCY	0.84	0.84
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	0.50	0.50
tblVehicleEF	MCY	2.46	2.41
tblVehicleEF	MCY	0.72	0.70
tblVehicleEF	MCY	2.34	2.31
tblVehicleEF	MCY	2.1390e-003	2.1360e-003
tblVehicleEF	MCY	7.1200e-004	7.0700e-004
tblVehicleEF	MCY	0.84	0.84
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	0.50	0.50
tblVehicleEF	MCY	2.98	2.95
tblVehicleEF	MCY	0.72	0.70
tblVehicleEF	MCY	2.54	2.52
tblVehicleEF	MCY	0.42	0.43
tblVehicleEF	MCY	0.14	0.14
tblVehicleEF	MCY	20.90	20.34
tblVehicleEF	MCY	8.92	8.92
tblVehicleEF	MCY	170.79	171.57
tblVehicleEF	MCY	47.74	47.24

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	MCY	6.0050e-003	5.9750e-003
tblVehicleEF	MCY	1.03	1.03
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	1.9200e-003	1.9670e-003
tblVehicleEF	MCY	4.8160e-003	4.6320e-003
tblVehicleEF	MCY	1.8050e-003	1.8460e-003
tblVehicleEF	MCY	4.5650e-003	4.3860e-003
tblVehicleEF	MCY	2.33	2.32
tblVehicleEF	MCY	1.01	1.00
tblVehicleEF	MCY	1.43	1.42
tblVehicleEF	MCY	2.33	2.30
tblVehicleEF	MCY	0.67	0.65
tblVehicleEF	MCY	1.92	1.90
tblVehicleEF	MCY	2.1160e-003	2.1140e-003
tblVehicleEF	MCY	6.7900e-004	6.7400e-004
tblVehicleEF	MCY	2.33	2.32
tblVehicleEF	MCY	1.01	1.00
tblVehicleEF	MCY	1.43	1.42
tblVehicleEF	MCY	2.84	2.81
tblVehicleEF	MCY	0.67	0.65
tblVehicleEF	MCY	2.09	2.07
tblVehicleEF	MCY	0.46	0.46
tblVehicleEF	MCY	0.20	0.20
tblVehicleEF	MCY	24.09	23.36
tblVehicleEF	MCY	11.52	11.55
tblVehicleEF	MCY	170.79	171.57
tblVehicleEF	MCY	47.74	47.24

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	MCY	6.0050e-003	5.9750e-003
tblVehicleEF	MCY	1.27	1.26
tblVehicleEF	MCY	0.34	0.34
tblVehicleEF	MCY	1.9200e-003	1.9670e-003
tblVehicleEF	MCY	4.8160e-003	4.6320e-003
tblVehicleEF	MCY	1.8050e-003	1.8460e-003
tblVehicleEF	MCY	4.5650e-003	4.3860e-003
tblVehicleEF	MCY	0.27	0.27
tblVehicleEF	MCY	0.97	0.95
tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	2.58	2.53
tblVehicleEF	MCY	0.84	0.82
tblVehicleEF	MCY	2.73	2.70
tblVehicleEF	MCY	2.1750e-003	2.1700e-003
tblVehicleEF	MCY	7.4700e-004	7.4100e-004
tblVehicleEF	MCY	0.27	0.27
tblVehicleEF	MCY	0.97	0.95
tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	3.13	3.09
tblVehicleEF	MCY	0.84	0.82
tblVehicleEF	MCY	2.97	2.93
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	1.60	1.48
tblVehicleEF	MDV	4.26	3.92
tblVehicleEF	MDV	519.40	507.46
tblVehicleEF	MDV	114.94	112.74

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.22	0.19
tblVehicleEF	MDV	0.40	0.36
tblVehicleEF	MDV	1.8990e-003	1.9180e-003
tblVehicleEF	MDV	2.6820e-003	2.6540e-003
tblVehicleEF	MDV	1.7530e-003	1.7700e-003
tblVehicleEF	MDV	2.4700e-003	2.4440e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.35	0.31
tblVehicleEF	MDV	5.2080e-003	5.0860e-003
tblVehicleEF	MDV	1.2260e-003	1.1970e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.38	0.34
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.84	1.70
tblVehicleEF	MDV	3.35	3.07
tblVehicleEF	MDV	558.48	545.59
tblVehicleEF	MDV	114.94	112.74

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.19	0.17
tblVehicleEF	MDV	0.35	0.32
tblVehicleEF	MDV	1.8990e-003	1.9180e-003
tblVehicleEF	MDV	2.6820e-003	2.6540e-003
tblVehicleEF	MDV	1.7530e-003	1.7700e-003
tblVehicleEF	MDV	2.4700e-003	2.4440e-003
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.28	0.26
tblVehicleEF	MDV	5.6020e-003	5.4710e-003
tblVehicleEF	MDV	1.2090e-003	1.1820e-003
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.07	0.06
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.31	0.28
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	1.61	1.49
tblVehicleEF	MDV	4.99	4.59
tblVehicleEF	MDV	514.56	502.75
tblVehicleEF	MDV	114.94	112.74

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.24	0.21
tblVehicleEF	MDV	0.44	0.39
tblVehicleEF	MDV	1.8990e-003	1.9180e-003
tblVehicleEF	MDV	2.6820e-003	2.6540e-003
tblVehicleEF	MDV	1.7530e-003	1.7700e-003
tblVehicleEF	MDV	2.4700e-003	2.4440e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.20	0.19
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.39	0.36
tblVehicleEF	MDV	5.1600e-003	5.0390e-003
tblVehicleEF	MDV	1.2390e-003	1.2090e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.20	0.19
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.43	0.39
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	5.27	4.38
tblVehicleEF	MH	8.77	8.00
tblVehicleEF	MH	1,241.02	1,234.70
tblVehicleEF	MH	67.17	64.53

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	MH	8.6400e-004	8.3700e-004
tblVehicleEF	MH	1.82	1.71
tblVehicleEF	MH	1.05	1.00
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.2990e-003	1.9310e-003
tblVehicleEF	MH	3.2090e-003	3.2120e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.1450e-003	1.7960e-003
tblVehicleEF	MH	1.10	1.02
tblVehicleEF	MH	0.10	0.09
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.21	0.18
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	0.57	0.50
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	8.2700e-004	7.8600e-004
tblVehicleEF	MH	1.10	1.02
tblVehicleEF	MH	0.10	0.09
tblVehicleEF	MH	0.39	0.36
tblVehicleEF	MH	0.28	0.24
tblVehicleEF	MH	0.03	0.02
tblVehicleEF	MH	0.63	0.55
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.04	0.03
tblVehicleEF	MH	5.32	4.46
tblVehicleEF	MH	8.00	7.27

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	MH	1,241.02	1,234.70
tblVehicleEF	MH	67.17	64.53
tblVehicleEF	MH	8.6400e-004	8.3700e-004
tblVehicleEF	MH	1.70	1.59
tblVehicleEF	MH	0.97	0.93
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.2990e-003	1.9310e-003
tblVehicleEF	MH	3.2090e-003	3.2120e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.1450e-003	1.7960e-003
tblVehicleEF	MH	2.70	2.49
tblVehicleEF	MH	0.11	0.10
tblVehicleEF	MH	0.90	0.83
tblVehicleEF	MH	0.21	0.18
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.53	0.47
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	8.1300e-004	7.7400e-004
tblVehicleEF	MH	2.70	2.49
tblVehicleEF	MH	0.11	0.10
tblVehicleEF	MH	0.90	0.83
tblVehicleEF	MH	0.28	0.25
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.58	0.51
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.05	0.04

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	MH	5.35	4.39
tblVehicleEF	MH	9.58	8.73
tblVehicleEF	MH	1,241.02	1,234.70
tblVehicleEF	MH	67.17	64.53
tblVehicleEF	MH	8.6400e-004	8.3700e-004
tblVehicleEF	MH	1.89	1.77
tblVehicleEF	MH	1.12	1.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.2990e-003	1.9310e-003
tblVehicleEF	MH	3.2090e-003	3.2120e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.1450e-003	1.7960e-003
tblVehicleEF	MH	0.42	0.39
tblVehicleEF	MH	0.12	0.11
tblVehicleEF	MH	0.17	0.16
tblVehicleEF	MH	0.21	0.18
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.61	0.54
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	8.4100e-004	7.9900e-004
tblVehicleEF	MH	0.42	0.39
tblVehicleEF	MH	0.12	0.11
tblVehicleEF	MH	0.17	0.16
tblVehicleEF	MH	0.28	0.24
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.67	0.59

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.52	0.49
tblVehicleEF	MHD	1.02	0.86
tblVehicleEF	MHD	9.11	8.17
tblVehicleEF	MHD	151.94	152.61
tblVehicleEF	MHD	1,218.04	1,212.84
tblVehicleEF	MHD	59.83	58.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.29	1.19
tblVehicleEF	MHD	3.44	3.02
tblVehicleEF	MHD	11.38	11.41
tblVehicleEF	MHD	5.8480e-003	4.9690e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	1.2660e-003	1.0750e-003
tblVehicleEF	MHD	5.5950e-003	4.7540e-003
tblVehicleEF	MHD	0.09	0.07
tblVehicleEF	MHD	1.1700e-003	9.9000e-004
tblVehicleEF	MHD	1.2470e-003	1.1120e-003
tblVehicleEF	MHD	0.06	0.05
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	6.3100e-004	5.7500e-004
tblVehicleEF	MHD	0.23	0.19
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.55	0.49
tblVehicleEF	MHD	1.4620e-003	1.4680e-003

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.5900e-004	7.2400e-004
tblVehicleEF	MHD	1.2470e-003	1.1120e-003
tblVehicleEF	MHD	0.06	0.05
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	6.3100e-004	5.7500e-004
tblVehicleEF	MHD	0.26	0.22
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.61	0.54
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.07	0.07
tblVehicleEF	MHD	0.37	0.34
tblVehicleEF	MHD	1.03	0.87
tblVehicleEF	MHD	8.33	7.46
tblVehicleEF	MHD	161.10	161.81
tblVehicleEF	MHD	1,218.04	1,212.84
tblVehicleEF	MHD	59.83	58.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.33	1.22
tblVehicleEF	MHD	3.30	2.89
tblVehicleEF	MHD	11.29	11.33
tblVehicleEF	MHD	4.9300e-003	4.1890e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	1.2660e-003	1.0750e-003
tblVehicleEF	MHD	4.7170e-003	4.0080e-003
tblVehicleEF	MHD	0.09	0.07

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	MHD	1.1700e-003	9.9000e-004
tblVehicleEF	MHD	3.1420e-003	2.7740e-003
tblVehicleEF	MHD	0.07	0.06
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	1.5180e-003	1.3550e-003
tblVehicleEF	MHD	0.23	0.19
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.51	0.46
tblVehicleEF	MHD	1.5480e-003	1.5540e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.4500e-004	7.1100e-004
tblVehicleEF	MHD	3.1420e-003	2.7740e-003
tblVehicleEF	MHD	0.07	0.06
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	1.5180e-003	1.3550e-003
tblVehicleEF	MHD	0.26	0.22
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.56	0.50
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.08	0.08
tblVehicleEF	MHD	0.69	0.65
tblVehicleEF	MHD	1.01	0.85
tblVehicleEF	MHD	9.82	8.81
tblVehicleEF	MHD	139.65	140.26
tblVehicleEF	MHD	1,218.04	1,212.84
tblVehicleEF	MHD	59.83	58.03

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.23	1.13
tblVehicleEF	MHD	3.50	3.07
tblVehicleEF	MHD	11.45	11.48
tblVehicleEF	MHD	7.1160e-003	6.0460e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	1.2660e-003	1.0750e-003
tblVehicleEF	MHD	6.8090e-003	5.7850e-003
tblVehicleEF	MHD	0.09	0.07
tblVehicleEF	MHD	1.1700e-003	9.9000e-004
tblVehicleEF	MHD	4.9700e-004	4.5500e-004
tblVehicleEF	MHD	0.07	0.06
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	2.6300e-004	2.4500e-004
tblVehicleEF	MHD	0.23	0.19
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.58	0.52
tblVehicleEF	MHD	1.3460e-003	1.3510e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.7100e-004	7.3500e-004
tblVehicleEF	MHD	4.9700e-004	4.5500e-004
tblVehicleEF	MHD	0.07	0.06
tblVehicleEF	MHD	0.06	0.05
tblVehicleEF	MHD	2.6300e-004	2.4500e-004
tblVehicleEF	MHD	0.26	0.22
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.64	0.57

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.30	0.30
tblVehicleEF	OBUS	0.96	0.85
tblVehicleEF	OBUS	7.17	6.73
tblVehicleEF	OBUS	123.21	124.99
tblVehicleEF	OBUS	1,341.51	1,334.31
tblVehicleEF	OBUS	68.27	67.49
tblVehicleEF	OBUS	2.4590e-003	2.5020e-003
tblVehicleEF	OBUS	0.86	0.83
tblVehicleEF	OBUS	2.87	2.72
tblVehicleEF	OBUS	3.40	3.38
tblVehicleEF	OBUS	5.0900e-004	4.6000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2000e-004	8.0800e-004
tblVehicleEF	OBUS	4.8700e-004	4.4000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004
tblVehicleEF	OBUS	1.2340e-003	1.2030e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.4900e-004	5.4300e-004
tblVehicleEF	OBUS	0.10	0.10
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.45	0.42
tblVehicleEF	OBUS	1.1870e-003	1.2040e-003

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0900e-004	7.9300e-004
tblVehicleEF	OBUS	1.2340e-003	1.2030e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	5.4900e-004	5.4300e-004
tblVehicleEF	OBUS	0.13	0.12
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.49	0.46
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.28	0.28
tblVehicleEF	OBUS	0.98	0.86
tblVehicleEF	OBUS	6.52	6.12
tblVehicleEF	OBUS	129.55	131.44
tblVehicleEF	OBUS	1,341.51	1,334.31
tblVehicleEF	OBUS	68.27	67.49
tblVehicleEF	OBUS	2.4590e-003	2.5020e-003
tblVehicleEF	OBUS	0.89	0.86
tblVehicleEF	OBUS	2.74	2.60
tblVehicleEF	OBUS	3.31	3.29
tblVehicleEF	OBUS	4.2900e-004	3.8800e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2000e-004	8.0800e-004
tblVehicleEF	OBUS	4.1100e-004	3.7100e-004
tblVehicleEF	OBUS	0.01	0.01

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	OBUS	7.5800e-004	7.4600e-004
tblVehicleEF	OBUS	2.9100e-003	2.8210e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.2360e-003	1.2070e-003
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.42	0.39
tblVehicleEF	OBUS	1.2480e-003	1.2660e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9800e-004	7.8300e-004
tblVehicleEF	OBUS	2.9100e-003	2.8210e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	1.2360e-003	1.2070e-003
tblVehicleEF	OBUS	0.13	0.12
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.46	0.43
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.33	0.33
tblVehicleEF	OBUS	0.94	0.83
tblVehicleEF	OBUS	7.73	7.24
tblVehicleEF	OBUS	114.46	116.08
tblVehicleEF	OBUS	1,341.51	1,334.31
tblVehicleEF	OBUS	68.27	67.49

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	OBUS	2.4590e-003	2.5020e-003
tblVehicleEF	OBUS	0.82	0.80
tblVehicleEF	OBUS	2.92	2.77
tblVehicleEF	OBUS	3.47	3.44
tblVehicleEF	OBUS	6.1900e-004	5.6000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.2000e-004	8.0800e-004
tblVehicleEF	OBUS	5.9300e-004	5.3600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.5800e-004	7.4600e-004
tblVehicleEF	OBUS	5.9100e-004	5.8600e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	0.10	0.10
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.48	0.45
tblVehicleEF	OBUS	1.1040e-003	1.1190e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.1800e-004	8.0200e-004
tblVehicleEF	OBUS	5.9100e-004	5.8600e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.13	0.12
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.52	0.49
tblVehicleEF	SBUS	0.90	0.89
tblVehicleEF	SBUS	0.02	0.02

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	5.13	5.27
tblVehicleEF	SBUS	1.03	0.93
tblVehicleEF	SBUS	6.69	6.50
tblVehicleEF	SBUS	1,314.86	1,302.16
tblVehicleEF	SBUS	1,172.94	1,163.49
tblVehicleEF	SBUS	31.14	32.39
tblVehicleEF	SBUS	8.6800e-004	8.7200e-004
tblVehicleEF	SBUS	14.73	13.94
tblVehicleEF	SBUS	6.39	5.94
tblVehicleEF	SBUS	16.17	15.92
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	5.8000e-004	5.6800e-004
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	2.7940e-003	2.7850e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	5.3300e-004	5.2200e-004
tblVehicleEF	SBUS	2.3990e-003	2.1650e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	0.62	0.64
tblVehicleEF	SBUS	8.9200e-004	8.4300e-004
tblVehicleEF	SBUS	0.14	0.13
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.33	0.32
tblVehicleEF	SBUS	0.01	0.01

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.2700e-004	4.3600e-004
tblVehicleEF	SBUS	2.3990e-003	2.1650e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	0.88	0.91
tblVehicleEF	SBUS	8.9200e-004	8.4300e-004
tblVehicleEF	SBUS	0.17	0.16
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.37	0.35
tblVehicleEF	SBUS	0.90	0.89
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	4.94	5.09
tblVehicleEF	SBUS	1.05	0.96
tblVehicleEF	SBUS	4.91	4.76
tblVehicleEF	SBUS	1,383.85	1,370.03
tblVehicleEF	SBUS	1,172.94	1,163.49
tblVehicleEF	SBUS	31.14	32.39
tblVehicleEF	SBUS	8.6800e-004	8.7200e-004
tblVehicleEF	SBUS	15.20	14.39
tblVehicleEF	SBUS	6.13	5.70
tblVehicleEF	SBUS	16.13	15.88
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	5.8000e-004	5.6800e-004
tblVehicleEF	SBUS	0.02	0.01

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	SBUS	2.7940e-003	2.7850e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	5.3300e-004	5.2200e-004
tblVehicleEF	SBUS	5.6890e-003	5.0800e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.62	0.63
tblVehicleEF	SBUS	2.0490e-003	1.9090e-003
tblVehicleEF	SBUS	0.14	0.14
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.28	0.27
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	3.9700e-004	4.0700e-004
tblVehicleEF	SBUS	5.6890e-003	5.0800e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.88	0.90
tblVehicleEF	SBUS	2.0490e-003	1.9090e-003
tblVehicleEF	SBUS	0.17	0.16
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.31	0.30
tblVehicleEF	SBUS	0.90	0.89
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	5.39	5.51
tblVehicleEF	SBUS	1.01	0.92
tblVehicleEF	SBUS	8.37	8.12
tblVehicleEF	SBUS	1,219.58	1,208.43

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	SBUS	1,172.94	1,163.49
tblVehicleEF	SBUS	31.14	32.39
tblVehicleEF	SBUS	8.6800e-004	8.7200e-004
tblVehicleEF	SBUS	14.07	13.32
tblVehicleEF	SBUS	6.50	6.04
tblVehicleEF	SBUS	16.20	15.95
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	5.8000e-004	5.6800e-004
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	2.7940e-003	2.7850e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	5.3300e-004	5.2200e-004
tblVehicleEF	SBUS	1.0470e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.63	0.64
tblVehicleEF	SBUS	4.1400e-004	4.0200e-004
tblVehicleEF	SBUS	0.14	0.13
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.38	0.37
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.5500e-004	4.6300e-004
tblVehicleEF	SBUS	1.0470e-003	9.8900e-004
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.89	0.91

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tblVehicleEF	SBUS	4.1400e-004	4.0200e-004
tblVehicleEF	SBUS	0.17	0.16
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.42	0.40
tblVehicleEF	UBUS	0.31	0.31
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	7.47	7.08
tblVehicleEF	UBUS	8.36	8.45
tblVehicleEF	UBUS	2,231.08	2,204.50
tblVehicleEF	UBUS	77.02	81.88
tblVehicleEF	UBUS	2.6830e-003	2.5620e-003
tblVehicleEF	UBUS	15.45	14.36
tblVehicleEF	UBUS	16.71	16.37
tblVehicleEF	UBUS	0.67	0.65
tblVehicleEF	UBUS	0.32	0.30
tblVehicleEF	UBUS	9.7900e-004	1.0130e-003
tblVehicleEF	UBUS	0.29	0.28
tblVehicleEF	UBUS	0.31	0.29
tblVehicleEF	UBUS	9.0800e-004	9.3900e-004
tblVehicleEF	UBUS	2.8250e-003	2.8390e-003
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	1.3660e-003	1.3900e-003
tblVehicleEF	UBUS	0.97	0.91
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.63	0.64
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.2100e-004	9.7100e-004

Pacheco Conduit O&M - Bay Area AQMD Air District, Annual

tblVehicleEF	UBUS	2.8250e-003	2.8390e-003
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	1.3660e-003	1.3900e-003
tblVehicleEF	UBUS	1.36	1.29
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.69	0.70
tblVehicleEF	UBUS	0.31	0.31
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	7.46	7.07
tblVehicleEF	UBUS	6.59	6.66
tblVehicleEF	UBUS	2,231.08	2,204.50
tblVehicleEF	UBUS	77.02	81.88
tblVehicleEF	UBUS	2.6830e-003	2.5620e-003
tblVehicleEF	UBUS	14.81	13.76
tblVehicleEF	UBUS	16.64	16.30
tblVehicleEF	UBUS	0.67	0.65
tblVehicleEF	UBUS	0.32	0.30
tblVehicleEF	UBUS	9.7900e-004	1.0130e-003
tblVehicleEF	UBUS	0.29	0.28
tblVehicleEF	UBUS	0.31	0.29
tblVehicleEF	UBUS	9.0800e-004	9.3900e-004
tblVehicleEF	UBUS	6.9060e-003	6.9090e-003
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	3.2210e-003	3.2440e-003
tblVehicleEF	UBUS	0.98	0.92
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.54	0.55

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tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	8.9000e-004	9.4000e-004
tblVehicleEF	UBUS	6.9060e-003	6.9090e-003
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	3.2210e-003	3.2440e-003
tblVehicleEF	UBUS	1.38	1.31
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.59	0.60
tblVehicleEF	UBUS	0.30	0.30
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	7.50	7.09
tblVehicleEF	UBUS	9.97	10.08
tblVehicleEF	UBUS	2,231.08	2,204.50
tblVehicleEF	UBUS	77.02	81.88
tblVehicleEF	UBUS	2.6830e-003	2.5620e-003
tblVehicleEF	UBUS	15.70	14.59
tblVehicleEF	UBUS	16.77	16.43
tblVehicleEF	UBUS	0.67	0.65
tblVehicleEF	UBUS	0.32	0.30
tblVehicleEF	UBUS	9.7900e-004	1.0130e-003
tblVehicleEF	UBUS	0.29	0.28
tblVehicleEF	UBUS	0.31	0.29
tblVehicleEF	UBUS	9.0800e-004	9.3900e-004
tblVehicleEF	UBUS	1.1820e-003	1.2020e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	5.3600e-004	5.5700e-004
tblVehicleEF	UBUS	0.97	0.90

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tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.71	0.72
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.4900e-004	9.9900e-004
tblVehicleEF	UBUS	1.1820e-003	1.2020e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	5.3600e-004	5.5700e-004
tblVehicleEF	UBUS	1.36	1.28
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.77	0.79

2.0 Emissions Summary

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2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	0.0000
Total	0.0000

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/2/2017	10/2/2017	5	0	
2	Site Preparation	Site Preparation	10/2/2017	11/2/2017	5	0	
3	Grading	Grading	10/2/2017	10/2/2017	5	0	
4	Paving	Paving	11/3/2017	11/26/2017	5	0	
5	Building Construction	Building Construction	11/26/2017	1/30/2018	5	0	
6	Architectural Coating	Architectural Coating	1/30/2018	2/23/2018	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 34,837; Striped Parking Area: 0
(Architectural Coating – sqft)**

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Off-Highway Tractors	35		124	0.44
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Architectural Coating	Off-Highway Tractors	35		124	0.44
Building Construction	Off-Highway Trucks	35	4.00	231	0.29
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Site Preparation	Off-Highway Trucks	35	8.00	187	0.41
Building Construction	Cranes	1	4.00	231	0.29
Site Preparation	Graders	1	8.00	187	0.41
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Paving	Pavers	1	7.00	130	0.42
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Paving	Rollers	1	7.00	80	0.38
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Pumps	4	8.00	97	0.37
Paving	Cranes	2	6.00	9	0.56
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Building Construction	Forklifts	0	6.00	89	0.20
Paving	Generator Sets	4	7.00	130	0.42
Paving	Other Construction Equipment	2	7.00	80	0.38
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	3	7.00	97	0.37

Trips and VMT

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3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use													
City Park	0.567674	0.042970	0.194260	0.117237	0.019396	0.005375	0.016640	0.023570	0.002459	0.002683	0.006005	0.000868	0.000864

5.0 Energy Detail

Historical Energy Use: N

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5.2 Energy by Land Use - Natural Gas

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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	8.0700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1701					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	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	0.1782	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	8.0700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1701					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	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	0.1782	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

7.0 Water Detail

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7.1 Mitigation Measures Water

	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			
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	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

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	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			
City Park	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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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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Boilers

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User Defined Equipment

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11.0 Vegetation

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	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	0.0000	0.0000	0.0000	0.0000

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Others	3770 / 3770	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000