

Appendix B

Greenhouse Gas Emissions
Modeling Worksheets

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

Bridge Point South Bay VII Project - Baseline GHG
South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	174.21	1000sqft	5.70	174,211.00	0
Parking Lot	190.00	Space	1.70	76,000.00	0
City Park	0.59	Acre	0.59	25,819.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

Project Characteristics - Baseline - no reductions taken.

Land Use - Modeling assumptions are from Section 8.0 - CalEEMod Modeling Parameters Used in Air Quality Study for Bridge South Bay VII Project MND. The City Park Land Use represents the landscaping along the project site.

Construction Phase - Modeling assumptions are from Section 8.0 - CalEEMod Modeling Parameters Used in Air Quality Study for Bridge South Bay VII Project MND.

Off-road Equipment -

Trips and VMT - Modeling assumptions are from Section 8.0 - CalEEMod Modeling Parameters Used in Air Quality Study for Bridge South Bay VII Project MND.

Demolition - Modeling assumptions are from Section 8.0 - CalEEMod Modeling Parameters Used in Air Quality Study for Bridge South Bay VII Project MND.

Architectural Coating - Modeling assumptions are from Section 8.0 - CalEEMod Modeling Parameters Used in Air Quality Study for Bridge South Bay VII Project MND.

Vehicle Trips - ADT (1,088) and Daily VMT (8,401) and Yearly VMT (2,701,365) are from the City of Los Angeles Department of Transportation (LADOT) Transportation Assessment Memorandum of Understanding (MOU) for the project.

Energy Use -

Construction Off-road Equipment Mitigation - SCAQMD Rule 402 & 403.

Operational Off-Road Equipment - Construction Phase - Modeling assumptions are from Section 8.0 - CalEEMod Modeling Parameters Used in Air Quality Study for Bridge South Bay VII Project MND.

Fleet Mix - Truck trips were placed on the Parking Lot land use, consistent with the AQ Study. Warehouse fleet mixes were tweaked to match the remaining amount and SCAQMD recommended fleet mix.

Off-road Equipment - Well Abandonment: 3 Off-Hwy Trucks (Concrete Trucks) and 3 Generator Sets.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	PhaseEndDate	6/27/2022	7/1/2022
tblConstructionPhase	PhaseEndDate	5/2/2022	7/1/2022
tblConstructionPhase	PhaseEndDate	6/14/2021	8/13/2021
tblConstructionPhase	PhaseEndDate	5/30/2022	7/1/2022
tblConstructionPhase	PhaseStartDate	5/31/2022	5/8/2022
tblConstructionPhase	PhaseStartDate	6/15/2021	8/14/2021
tblConstructionPhase	PhaseStartDate	5/18/2021	7/18/2021
tblConstructionPhase	PhaseStartDate	5/3/2022	6/5/2022
tblFleetMix	HHD	0.03	0.55

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.68
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.06
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.26
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.8630e-003	0.25
tblFleetMix	LHD2	5.8630e-003	0.00
tblFleetMix	MCY	4.8030e-003	0.00
tblFleetMix	MCY	4.8030e-003	6.0000e-003
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.9600e-004	0.00
tblFleetMix	MH	8.9600e-004	0.00
tblFleetMix	MHD	0.02	0.21
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.0870e-003	0.00
tblFleetMix	OBUS	2.0870e-003	0.00
tblFleetMix	SBUS	7.0800e-004	0.00
tblFleetMix	SBUS	7.0800e-004	0.00
tblFleetMix	UBUS	1.8180e-003	0.00
tblFleetMix	UBUS	1.8180e-003	0.00
tblLandUse	LandUseSquareFeet	174,210.00	174,211.00
tblLandUse	LandUseSquareFeet	25,700.40	25,819.00

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

tblLandUse	LotAcreage	4.00	5.70
tblLandUse	LotAcreage	1.71	1.70
tblOffRoadEquipment	HorsePower	84.00	800.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	45.00	41.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	WorkerTripNumber	116.00	105.00
tblTripsAndVMT	WorkerTripNumber	23.00	21.00
tblVehicleTrips	CC_TL	8.40	6.80
tblVehicleTrips	CC_TL	8.40	6.80
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	6.80
tblVehicleTrips	CNW_TL	6.90	6.80
tblVehicleTrips	CNW_TL	6.90	6.80
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	6.80
tblVehicleTrips	CW_TL	16.60	6.80
tblVehicleTrips	CW_TL	16.60	6.80
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	0.00	0.64
tblVehicleTrips	ST_TR	1.68	5.59
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	0.00	0.64
tblVehicleTrips	SU_TR	1.68	5.59
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	0.00	0.64
tblVehicleTrips	WD_TR	1.68	5.59

2.0 Emissions Summary

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-20-2021	7-19-2021	0.8489	0.8489
2	7-20-2021	10-19-2021	0.8247	0.8247
3	10-20-2021	1-19-2022	0.7787	0.7787
4	1-20-2022	4-19-2022	0.7033	0.7033
5	4-20-2022	7-19-2022	1.5279	1.5279
		Highest	1.5279	1.5279

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	0.7169	4.0000e-005	4.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.0500e-003	9.0500e-003	2.0000e-005	0.0000	9.6500e-003
Energy	3.6900e-003	0.0336	0.0282	2.0000e-004		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	454.9906	454.9906	0.0106	2.7100e-003	456.0641
Mobile	0.2724	2.1822	3.1463	0.0132	1.0309	0.0107	1.0416	0.2760	9.9800e-003	0.2860	0.0000	1,226.4972	1,226.4972	0.0585	0.0000	1,227.9590
Offroad	0.0591	0.5486	0.6000	7.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	69.8315	69.8315	0.0226	0.0000	70.3961
Waste						0.0000	0.0000		0.0000	0.0000	33.2520	0.0000	33.2520	1.9651	0.0000	82.3803
Water						0.0000	0.0000		0.0000	0.0000	12.7809	296.5123	309.2932	1.3197	0.0325	351.9550
Total	1.0521	2.7644	3.7791	0.0142	1.0309	0.0496	1.0805	0.2760	0.0460	0.3220	46.0329	2,047.8406	2,093.8735	3.3765	0.0352	2,188.7642

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, 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	0.7169	4.0000e-005	4.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.0500e-003	9.0500e-003	2.0000e-005	0.0000	9.6500e-003
Energy	3.6900e-003	0.0336	0.0282	2.0000e-004		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	454.9906	454.9906	0.0106	2.7100e-003	456.0641
Mobile	0.2724	2.1822	3.1463	0.0132	1.0309	0.0107	1.0416	0.2760	9.9800e-003	0.2860	0.0000	1,226.4972	1,226.4972	0.0585	0.0000	1,227.9590
Offroad	0.0591	0.5486	0.6000	7.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	69.8315	69.8315	0.0226	0.0000	70.3961
Waste						0.0000	0.0000		0.0000	0.0000	33.2520	0.0000	33.2520	1.9651	0.0000	82.3803
Water						0.0000	0.0000		0.0000	0.0000	12.7809	296.5123	309.2932	1.3197	0.0325	351.9550
Total	1.0521	2.7644	3.7791	0.0142	1.0309	0.0496	1.0805	0.2760	0.0460	0.3220	46.0329	2,047.8406	2,093.8735	3.3765	0.0352	2,188.7642

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

3.0 Construction Detail

Construction Phase

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/20/2021	5/17/2021	5	20	
2	Grading	Grading	7/18/2021	8/13/2021	5	20	
3	Building Construction	Building Construction	8/14/2021	7/1/2022	5	230	
4	Paving	Paving	6/5/2022	7/1/2022	5	20	
5	Architectural Coating	Architectural Coating	5/8/2022	7/1/2022	5	40	
6	Abandonment of Oil Wells	Trenching	5/18/2021	7/16/2021	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.7

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 261,317; Non-Residential Outdoor: 87,106; Striped Parking Area: 4,560 (Architectural Coating – sqft)

OffRoad Equipment

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Abandonment of Oil Wells	Generator Sets	3	8.00	800	0.74
Abandonment of Oil Wells	Off-Highway Trucks	3	8.00	402	0.38

Trips and VMT

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, 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
Demolition	6	15.00	6.00	583.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	105.00	41.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Abandonment of Oil Wells	6	15.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0631	0.0000	0.0631	9.5500e-003	0.0000	9.5500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
Total	0.0317	0.3144	0.2157	3.9000e-004	0.0631	0.0155	0.0786	9.5500e-003	0.0144	0.0240	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2400e-003	0.0780	0.0172	2.2000e-004	5.0100e-003	2.4000e-004	5.2500e-003	1.3800e-003	2.3000e-004	1.6000e-003	0.0000	21.8763	21.8763	1.5800e-003	0.0000	21.9157
Vendor	1.7000e-004	5.8400e-003	1.4800e-003	2.0000e-005	3.8000e-004	1.0000e-005	3.9000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.4568	1.4568	9.0000e-005	0.0000	1.4592
Worker	6.2000e-004	4.6000e-004	5.2300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4350	1.4350	4.0000e-005	0.0000	1.4359
Total	3.0300e-003	0.0843	0.0239	2.6000e-004	7.0400e-003	2.6000e-004	7.3000e-003	1.9300e-003	2.5000e-004	2.1700e-003	0.0000	24.7681	24.7681	1.7100e-003	0.0000	24.8109

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					0.0284	0.0000	0.0284	4.3000e-003	0.0000	4.3000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
Total	0.0317	0.3144	0.2157	3.9000e-004	0.0284	0.0155	0.0439	4.3000e-003	0.0144	0.0187	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2400e-003	0.0780	0.0172	2.2000e-004	5.0100e-003	2.4000e-004	5.2500e-003	1.3800e-003	2.3000e-004	1.6000e-003	0.0000	21.8763	21.8763	1.5800e-003	0.0000	21.9157
Vendor	1.7000e-004	5.8400e-003	1.4800e-003	2.0000e-005	3.8000e-004	1.0000e-005	3.9000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.4568	1.4568	9.0000e-005	0.0000	1.4592
Worker	6.2000e-004	4.6000e-004	5.2300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4350	1.4350	4.0000e-005	0.0000	1.4359
Total	3.0300e-003	0.0843	0.0239	2.6000e-004	7.0400e-003	2.6000e-004	7.3000e-003	1.9300e-003	2.5000e-004	2.1700e-003	0.0000	24.7681	24.7681	1.7100e-003	0.0000	24.8109

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.2474	0.1586	3.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2644
Total	0.0229	0.2474	0.1586	3.0000e-004	0.0655	0.0116	0.0771	0.0337	0.0107	0.0443	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2644

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7000e-004	5.8400e-003	1.4800e-003	2.0000e-005	3.8000e-004	1.0000e-005	3.9000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.4568	1.4568	9.0000e-005	0.0000	1.4592
Worker	6.2000e-004	4.6000e-004	5.2300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4350	1.4350	4.0000e-005	0.0000	1.4359
Total	7.9000e-004	6.3000e-003	6.7100e-003	4.0000e-005	2.0300e-003	2.0000e-005	2.0500e-003	5.5000e-004	2.0000e-005	5.7000e-004	0.0000	2.8918	2.8918	1.3000e-004	0.0000	2.8951

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					0.0295	0.0000	0.0295	0.0152	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.2474	0.1586	3.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2643
Total	0.0229	0.2474	0.1586	3.0000e-004	0.0295	0.0116	0.0411	0.0152	0.0107	0.0258	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2643

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7000e-004	5.8400e-003	1.4800e-003	2.0000e-005	3.8000e-004	1.0000e-005	3.9000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.4568	1.4568	9.0000e-005	0.0000	1.4592
Worker	6.2000e-004	4.6000e-004	5.2300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4350	1.4350	4.0000e-005	0.0000	1.4359
Total	7.9000e-004	6.3000e-003	6.7100e-003	4.0000e-005	2.0300e-003	2.0000e-005	2.0500e-003	5.5000e-004	2.0000e-005	5.7000e-004	0.0000	2.8918	2.8918	1.3000e-004	0.0000	2.8951

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0951	0.8716	0.8288	1.3500e-003		0.0479	0.0479		0.0451	0.0451	0.0000	115.8186	115.8186	0.0279	0.0000	116.5172
Total	0.0951	0.8716	0.8288	1.3500e-003		0.0479	0.0479		0.0451	0.0451	0.0000	115.8186	115.8186	0.0279	0.0000	116.5172

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.8900e-003	0.1994	0.0504	5.1000e-004	0.0129	4.1000e-004	0.0133	3.7300e-003	3.9000e-004	4.1200e-003	0.0000	49.7754	49.7754	3.2100e-003	0.0000	49.8556
Worker	0.0218	0.0162	0.1832	5.6000e-004	0.0576	4.3000e-004	0.0580	0.0153	4.0000e-004	0.0157	0.0000	50.2242	50.2242	1.3500e-003	0.0000	50.2580
Total	0.0277	0.2156	0.2336	1.0700e-003	0.0705	8.4000e-004	0.0714	0.0190	7.9000e-004	0.0198	0.0000	99.9996	99.9996	4.5600e-003	0.0000	100.1136

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	0.0951	0.8716	0.8288	1.3500e-003		0.0479	0.0479		0.0451	0.0451	0.0000	115.8185	115.8185	0.0279	0.0000	116.5171
Total	0.0951	0.8716	0.8288	1.3500e-003		0.0479	0.0479		0.0451	0.0451	0.0000	115.8185	115.8185	0.0279	0.0000	116.5171

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.8900e-003	0.1994	0.0504	5.1000e-004	0.0129	4.1000e-004	0.0133	3.7300e-003	3.9000e-004	4.1200e-003	0.0000	49.7754	49.7754	3.2100e-003	0.0000	49.8556
Worker	0.0218	0.0162	0.1832	5.6000e-004	0.0576	4.3000e-004	0.0580	0.0153	4.0000e-004	0.0157	0.0000	50.2242	50.2242	1.3500e-003	0.0000	50.2580
Total	0.0277	0.2156	0.2336	1.0700e-003	0.0705	8.4000e-004	0.0714	0.0190	7.9000e-004	0.0198	0.0000	99.9996	99.9996	4.5600e-003	0.0000	100.1136

3.4 Building Construction - 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	0.1109	1.0150	1.0636	1.7500e-003		0.0526	0.0526		0.0495	0.0495	0.0000	150.6214	150.6214	0.0361	0.0000	151.5235
Total	0.1109	1.0150	1.0636	1.7500e-003		0.0526	0.0526		0.0495	0.0495	0.0000	150.6214	150.6214	0.0361	0.0000	151.5235

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

3.4 Building Construction - 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	7.1900e-003	0.2460	0.0620	6.6000e-004	0.0168	4.6000e-004	0.0173	4.8500e-003	4.4000e-004	5.2900e-003	0.0000	64.1363	64.1363	4.0300e-003	0.0000	64.2370
Worker	0.0266	0.0190	0.2200	7.0000e-004	0.0749	5.5000e-004	0.0754	0.0199	5.1000e-004	0.0204	0.0000	62.9529	62.9529	1.5900e-003	0.0000	62.9926
Total	0.0338	0.2650	0.2820	1.3600e-003	0.0917	1.0100e-003	0.0927	0.0247	9.5000e-004	0.0257	0.0000	127.0892	127.0892	5.6200e-003	0.0000	127.2296

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	0.1109	1.0150	1.0636	1.7500e-003		0.0526	0.0526		0.0495	0.0495	0.0000	150.6212	150.6212	0.0361	0.0000	151.5233
Total	0.1109	1.0150	1.0636	1.7500e-003		0.0526	0.0526		0.0495	0.0495	0.0000	150.6212	150.6212	0.0361	0.0000	151.5233

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

3.4 Building Construction - 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	7.1900e-003	0.2460	0.0620	6.6000e-004	0.0168	4.6000e-004	0.0173	4.8500e-003	4.4000e-004	5.2900e-003	0.0000	64.1363	64.1363	4.0300e-003	0.0000	64.2370
Worker	0.0266	0.0190	0.2200	7.0000e-004	0.0749	5.5000e-004	0.0754	0.0199	5.1000e-004	0.0204	0.0000	62.9529	62.9529	1.5900e-003	0.0000	62.9926
Total	0.0338	0.2650	0.2820	1.3600e-003	0.0917	1.0100e-003	0.0927	0.0247	9.5000e-004	0.0257	0.0000	127.0892	127.0892	5.6200e-003	0.0000	127.2296

3.5 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	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	2.2300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0133	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

3.5 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	5.9000e-004	4.2000e-004	4.8300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3836	1.3836	3.0000e-005	0.0000	1.3845
Total	5.9000e-004	4.2000e-004	4.8300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3836	1.3836	3.0000e-005	0.0000	1.3845

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	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	2.2300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0133	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

3.5 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	5.9000e-004	4.2000e-004	4.8300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3836	1.3836	3.0000e-005	0.0000	1.3845
Total	5.9000e-004	4.2000e-004	4.8300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3836	1.3836	3.0000e-005	0.0000	1.3845

3.6 Architectural Coating - 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					
Archit. Coating	0.8180					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0900e-003	0.0282	0.0363	6.0000e-005		1.6300e-003	1.6300e-003		1.6300e-003	1.6300e-003	0.0000	5.1065	5.1065	3.3000e-004	0.0000	5.1148
Total	0.8221	0.0282	0.0363	6.0000e-005		1.6300e-003	1.6300e-003		1.6300e-003	1.6300e-003	0.0000	5.1065	5.1065	3.3000e-004	0.0000	5.1148

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

3.6 Architectural Coating - 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	1.6400e-003	1.1700e-003	0.0135	4.0000e-005	4.6100e-003	3.0000e-005	4.6400e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	3.8740	3.8740	1.0000e-004	0.0000	3.8765
Total	1.6400e-003	1.1700e-003	0.0135	4.0000e-005	4.6100e-003	3.0000e-005	4.6400e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	3.8740	3.8740	1.0000e-004	0.0000	3.8765

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	0.8180					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0900e-003	0.0282	0.0363	6.0000e-005		1.6300e-003	1.6300e-003		1.6300e-003	1.6300e-003	0.0000	5.1065	5.1065	3.3000e-004	0.0000	5.1148
Total	0.8221	0.0282	0.0363	6.0000e-005		1.6300e-003	1.6300e-003		1.6300e-003	1.6300e-003	0.0000	5.1065	5.1065	3.3000e-004	0.0000	5.1148

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

3.6 Architectural Coating - 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	1.6400e-003	1.1700e-003	0.0135	4.0000e-005	4.6100e-003	3.0000e-005	4.6400e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	3.8740	3.8740	1.0000e-004	0.0000	3.8765
Total	1.6400e-003	1.1700e-003	0.0135	4.0000e-005	4.6100e-003	3.0000e-005	4.6400e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	3.8740	3.8740	1.0000e-004	0.0000	3.8765

3.7 Abandonment of Oil Wells - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0402	0.3491	0.2391	8.8000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	76.9333	76.9333	0.0249	0.0000	77.5553
Total	0.0402	0.3491	0.2391	8.8000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	76.9333	76.9333	0.0249	0.0000	77.5553

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

3.7 Abandonment of Oil Wells - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.1000e-004	0.0171	4.3300e-003	4.0000e-005	1.1100e-003	3.0000e-005	1.1400e-003	3.2000e-004	3.0000e-005	3.5000e-004	0.0000	4.2734	4.2734	2.8000e-004	0.0000	4.2803
Worker	1.3700e-003	1.0200e-003	0.0115	3.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.1570	3.1570	8.0000e-005	0.0000	3.1591
Total	1.8800e-003	0.0181	0.0159	7.0000e-005	4.7300e-003	6.0000e-005	4.7900e-003	1.2800e-003	6.0000e-005	1.3400e-003	0.0000	7.4304	7.4304	3.6000e-004	0.0000	7.4394

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	0.0402	0.3491	0.2391	8.8000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	76.9332	76.9332	0.0249	0.0000	77.5552
Total	0.0402	0.3491	0.2391	8.8000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	76.9332	76.9332	0.0249	0.0000	77.5552

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

3.7 Abandonment of Oil Wells - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.1000e-004	0.0171	4.3300e-003	4.0000e-005	1.1100e-003	3.0000e-005	1.1400e-003	3.2000e-004	3.0000e-005	3.5000e-004	0.0000	4.2734	4.2734	2.8000e-004	0.0000	4.2803
Worker	1.3700e-003	1.0200e-003	0.0115	3.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.1570	3.1570	8.0000e-005	0.0000	3.1591
Total	1.8800e-003	0.0181	0.0159	7.0000e-005	4.7300e-003	6.0000e-005	4.7900e-003	1.2800e-003	6.0000e-005	1.3400e-003	0.0000	7.4304	7.4304	3.6000e-004	0.0000	7.4394

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, 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	0.2724	2.1822	3.1463	0.0132	1.0309	0.0107	1.0416	0.2760	9.9800e-003	0.2860	0.0000	1,226.4972	1,226.4972	0.0585	0.0000	1,227.9590
Unmitigated	0.2724	2.1822	3.1463	0.0132	1.0309	0.0107	1.0416	0.2760	9.9800e-003	0.2860	0.0000	1,226.4972	1,226.4972	0.0585	0.0000	1,227.9590

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		
Parking Lot	121.60	121.60	121.60	300,984	300,984
Unrefrigerated Warehouse-No Rail	973.83	973.83	973.83	2,410,434	2,410,434
Total	1,095.43	1,095.43	1,095.43	2,711,418	2,711,418

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	6.80	6.80	6.80	0.00	100.00	0.00	100	0	0
Parking Lot	6.80	6.80	6.80	0.00	100.00	0.00	100	0	0
Unrefrigerated Warehouse-No	6.80	8.40	6.80	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.247000	0.206000	0.547000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.683000	0.056000	0.255000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	418.4551	418.4551	9.8800e-003	2.0400e-003	419.3115
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	418.4551	418.4551	9.8800e-003	2.0400e-003	419.3115
NaturalGas Mitigated	3.6900e-003	0.0336	0.0282	2.0000e-004		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	36.5355	36.5355	7.0000e-004	6.7000e-004	36.7526
NaturalGas Unmitigated	3.6900e-003	0.0336	0.0282	2.0000e-004		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	36.5355	36.5355	7.0000e-004	6.7000e-004	36.7526

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	684649	3.6900e-003	0.0336	0.0282	2.0000e-004		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	36.5355	36.5355	7.0000e-004	6.7000e-004	36.7526
Total		3.6900e-003	0.0336	0.0282	2.0000e-004		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	36.5355	36.5355	7.0000e-004	6.7000e-004	36.7526

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	684649	3.6900e-003	0.0336	0.0282	2.0000e-004		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	36.5355	36.5355	7.0000e-004	6.7000e-004	36.7526
Total		3.6900e-003	0.0336	0.0282	2.0000e-004		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	36.5355	36.5355	7.0000e-004	6.7000e-004	36.7526

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

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
Parking Lot	26600	14.8152	3.5000e-004	7.0000e-005	14.8455
Unrefrigerated Warehouse-No Rail	724718	403.6399	9.5300e-003	1.9700e-003	404.4660
Total		418.4551	9.8800e-003	2.0400e-003	419.3115

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	26600	14.8152	3.5000e-004	7.0000e-005	14.8455
Unrefrigerated Warehouse-No Rail	724718	403.6399	9.5300e-003	1.9700e-003	404.4660
Total		418.4551	9.8800e-003	2.0400e-003	419.3115

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	0.7169	4.0000e-005	4.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.0500e-003	9.0500e-003	2.0000e-005	0.0000	9.6500e-003
Unmitigated	0.7169	4.0000e-005	4.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.0500e-003	9.0500e-003	2.0000e-005	0.0000	9.6500e-003

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0818					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.3000e-004	4.0000e-005	4.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.0500e-003	9.0500e-003	2.0000e-005	0.0000	9.6500e-003
Total	0.7169	4.0000e-005	4.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.0500e-003	9.0500e-003	2.0000e-005	0.0000	9.6500e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0818					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.3000e-004	4.0000e-005	4.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.0500e-003	9.0500e-003	2.0000e-005	0.0000	9.6500e-003
Total	0.7169	4.0000e-005	4.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.0500e-003	9.0500e-003	2.0000e-005	0.0000	9.6500e-003

7.0 Water Detail

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	309.2932	1.3197	0.0325	351.9550
Unmitigated	309.2932	1.3197	0.0325	351.9550

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.702974	4.3499	1.0000e-004	2.0000e-005	4.3588
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	40.2861 / 0	304.9433	1.3196	0.0324	347.5962
Total		309.2932	1.3197	0.0324	351.9550

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.702974	4.3499	1.0000e-004	2.0000e-005	4.3588
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	40.2861 / 0	304.9433	1.3196	0.0324	347.5962
Total		309.2932	1.3197	0.0324	351.9550

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	33.2520	1.9651	0.0000	82.3803
Unmitigated	33.2520	1.9651	0.0000	82.3803

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.05	0.0102	6.0000e-004	0.0000	0.0252
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	163.76	33.2418	1.9645	0.0000	82.3552
Total		33.2520	1.9651	0.0000	82.3803

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.05	0.0102	6.0000e-004	0.0000	0.0252
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	163.76	33.2418	1.9645	0.0000	82.3552
Total		33.2520	1.9651	0.0000	82.3803

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	4	8.00	260	89	0.20	Diesel

Bridge Point South Bay VII Project - Baseline GHG - South Coast Air Basin, Annual

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					
Forklifts	0.0591	0.5486	0.6000	7.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	69.8315	69.8315	0.0226	0.0000	70.3961
Total	0.0591	0.5486	0.6000	7.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	69.8315	69.8315	0.0226	0.0000	70.3961

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

Bridge Point South Bay VII Project - AB 32 GHG
South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	174.21	1000sqft	5.70	174,211.00	0
Parking Lot	190.00	Space	1.70	76,000.00	0
City Park	0.59	Acre	0.59	25,819.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2022
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	749.01	CH4 Intensity (lb/MWhr)	0.018	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

Project Characteristics - AB32 Reductions. LADWP will achieve the RPS standard of 39% by 2020 (https://clkrep.lacity.org/onlinedocs/2017/17-0360_misc_6-19-19.pdf). Thus, intensity factors were modified to reflect 39% renewable energy.

Land Use - Modeling assumptions are from Section 8.0 - CalEEMod Modeling Parameters Used in Air Quality Study for Bridge South Bay VII Project MND. The City Park Land Use is modeled to take into account the Project's Landscaping.

Construction Phase - Modeling assumptions are from Section 8.0 - CalEEMod Modeling Parameters Used in Air Quality Study for Bridge South Bay VII Project MND.

Off-road Equipment - Well Abandonment: 3 Off-Hwy Trucks (Concrete Trucks) and 3 Generator Sets.

Off-road Equipment -

Trips and VMT - Modeling assumptions are from Section 8.0 - CalEEMod Modeling Parameters Used in Air Quality Study for Bridge South Bay VII Project MND.

Demolition - Modeling assumptions are from Section 8.0 - CalEEMod Modeling Parameters Used in Air Quality Study for Bridge South Bay VII Project MND. 5,894 tons of debris.

Architectural Coating - Modeling assumptions are from Section 8.0 - CalEEMod Modeling Parameters Used in Air Quality Study for Bridge South Bay VII Project MND.

Vehicle Trips - ADT (1,088) and Daily VMT (8,401) and Yearly VMT (2,701,365) are from the City of Los Angeles Department of Transportation (LADOT) Transportation Assessment Memorandum of Understanding (MOU) for the project.

Vehicle Emission Factors - EMFAC 2017 Vehicle Emission factors for LA County (year 2022) were incorporated.

Vehicle Emission Factors - EMFAC 2017 Vehicle Emission factors for LA County (year 2022) were incorporated.

Vehicle Emission Factors - EMFAC 2017 Vehicle Emission factors for LA County (year 2022) were incorporated.

Energy Use -

Construction Off-road Equipment Mitigation - Incorporation of SCAQMD Rule 402/403. All construction equipment greater than 50hp will be U.S. EPA Tier 4 Final.

Mobile Land Use Mitigation - CAPCOA Reductions/AB32 - Project would improve pedestrian network onsite and connecting off-site, as well as increase transit accessibility within 0.01 miles of project site.

Energy Mitigation - 2019 Title 24 building code requirements would be 30% more efficient than the default 2016 standards.

Water Mitigation - 2019 Title 24 and CalGreen requirements.

Waste Mitigation - AB 341 - solid waste diversion.

Operational Off-Road Equipment - Section 8.0 - CalEEMod Modeling Parameters Used in Air Quality Study for Bridge South Bay VII Project MND.

Fleet Mix - Truck trips were placed on the Parking Lot land use, consistent with the AQ Study. Warehouse fleet mixes were tweaked to match the remaining amount and SCAQMD recommended fleet mix.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	40.00
tblFleetMix	HHD	0.03	0.55
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.00
tblFleetMix	LDA	0.55	0.68
tblFleetMix	LDT1	0.04	0.00
tblFleetMix	LDT1	0.04	0.06
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LDT2	0.20	0.26
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	5.8630e-003	0.25
tblFleetMix	LHD2	5.8630e-003	0.00
tblFleetMix	MCY	4.8030e-003	0.00
tblFleetMix	MCY	4.8030e-003	6.0000e-003
tblFleetMix	MDV	0.12	0.00

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblFleetMix	MDV	0.12	0.00
tblFleetMix	MH	8.9600e-004	0.00
tblFleetMix	MH	8.9600e-004	0.00
tblFleetMix	MHD	0.02	0.21
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.0870e-003	0.00
tblFleetMix	OBUS	2.0870e-003	0.00
tblFleetMix	SBUS	7.0800e-004	0.00
tblFleetMix	SBUS	7.0800e-004	0.00
tblFleetMix	UBUS	1.8180e-003	0.00
tblFleetMix	UBUS	1.8180e-003	0.00
tblLandUse	LandUseSquareFeet	174,210.00	174,211.00
tblLandUse	LandUseSquareFeet	25,700.40	25,819.00
tblLandUse	LotAcreage	4.00	5.70
tblLandUse	LotAcreage	1.71	1.70
tblOffRoadEquipment	HorsePower	84.00	800.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	4.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	1227.89	749.01
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	45.00	41.00
tblTripsAndVMT	WorkerTripNumber	116.00	105.00
tblTripsAndVMT	WorkerTripNumber	23.00	21.00

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	HHD	0.67	0.03
tblVehicleEF	HHD	0.10	0.08
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	2.43	6.32
tblVehicleEF	HHD	1.04	0.58
tblVehicleEF	HHD	3.01	9.3040e-003
tblVehicleEF	HHD	4,575.00	1,186.71
tblVehicleEF	HHD	1,616.40	1,477.44
tblVehicleEF	HHD	9.63	0.09
tblVehicleEF	HHD	19.99	6.38
tblVehicleEF	HHD	3.61	3.57
tblVehicleEF	HHD	19.66	2.07
tblVehicleEF	HHD	0.01	3.9310e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.1000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.7610e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8000e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	7.5000e-005	1.0000e-006
tblVehicleEF	HHD	1.0100e-004	7.0000e-006
tblVehicleEF	HHD	4.2560e-003	2.6800e-004
tblVehicleEF	HHD	0.60	0.46
tblVehicleEF	HHD	7.3000e-005	5.0000e-006
tblVehicleEF	HHD	0.13	0.08

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	HHD	3.5800e-004	1.4610e-003
tblVehicleEF	HHD	0.07	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.4600e-004	1.0000e-006
tblVehicleEF	HHD	1.0100e-004	7.0000e-006
tblVehicleEF	HHD	4.2560e-003	2.6800e-004
tblVehicleEF	HHD	0.70	0.53
tblVehicleEF	HHD	7.3000e-005	5.0000e-006
tblVehicleEF	HHD	0.24	0.17
tblVehicleEF	HHD	3.5800e-004	1.4610e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.63	0.03
tblVehicleEF	HHD	0.10	0.08
tblVehicleEF	HHD	0.08	1.0000e-006
tblVehicleEF	HHD	1.76	6.18
tblVehicleEF	HHD	1.05	0.58
tblVehicleEF	HHD	2.86	8.8350e-003
tblVehicleEF	HHD	4,846.62	1,182.90
tblVehicleEF	HHD	1,616.40	1,477.44
tblVehicleEF	HHD	9.63	0.09
tblVehicleEF	HHD	20.63	6.19
tblVehicleEF	HHD	3.41	3.38
tblVehicleEF	HHD	19.65	2.07
tblVehicleEF	HHD	0.01	3.4390e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.1000e-005	2.0000e-006
tblVehicleEF	HHD	0.01	3.2910e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8000e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	7.5000e-005	1.0000e-006
tblVehicleEF	HHD	1.5900e-004	1.1000e-005
tblVehicleEF	HHD	4.4210e-003	2.7300e-004
tblVehicleEF	HHD	0.57	0.48
tblVehicleEF	HHD	1.1200e-004	7.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	3.5000e-004	1.4410e-003
tblVehicleEF	HHD	0.07	3.0000e-006
tblVehicleEF	HHD	0.04	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.4300e-004	1.0000e-006
tblVehicleEF	HHD	1.5900e-004	1.1000e-005
tblVehicleEF	HHD	4.4210e-003	2.7300e-004
tblVehicleEF	HHD	0.66	0.55
tblVehicleEF	HHD	1.1200e-004	7.0000e-006
tblVehicleEF	HHD	0.24	0.17
tblVehicleEF	HHD	3.5000e-004	1.4410e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	HHD	0.73	0.03
tblVehicleEF	HHD	0.10	0.08
tblVehicleEF	HHD	0.08	1.0000e-006

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	HHD	3.34	6.51
tblVehicleEF	HHD	1.04	0.57
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tblVehicleEF	HHD	4,199.91	1,191.98
tblVehicleEF	HHD	1,616.40	1,477.44
tblVehicleEF	HHD	9.63	0.09
tblVehicleEF	HHD	19.10	6.64
tblVehicleEF	HHD	3.55	3.51
tblVehicleEF	HHD	19.66	2.07
tblVehicleEF	HHD	0.02	4.6110e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	8.1000e-005	2.0000e-006
tblVehicleEF	HHD	0.02	4.4110e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8000e-003	8.8970e-003
tblVehicleEF	HHD	0.01	0.03
tblVehicleEF	HHD	7.5000e-005	1.0000e-006
tblVehicleEF	HHD	9.9000e-005	7.0000e-006
tblVehicleEF	HHD	4.5600e-003	3.0500e-004
tblVehicleEF	HHD	0.65	0.43
tblVehicleEF	HHD	7.2000e-005	5.0000e-006
tblVehicleEF	HHD	0.13	0.08
tblVehicleEF	HHD	3.8800e-004	1.5510e-003
tblVehicleEF	HHD	0.07	3.0000e-006
tblVehicleEF	HHD	0.04	0.01

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.4600e-004	1.0000e-006
tblVehicleEF	HHD	9.9000e-005	7.0000e-006
tblVehicleEF	HHD	4.5600e-003	3.0500e-004
tblVehicleEF	HHD	0.76	0.50
tblVehicleEF	HHD	7.2000e-005	5.0000e-006
tblVehicleEF	HHD	0.24	0.17
tblVehicleEF	HHD	3.8800e-004	1.5510e-003
tblVehicleEF	HHD	0.08	3.0000e-006
tblVehicleEF	LDA	4.7320e-003	3.0340e-003
tblVehicleEF	LDA	5.1190e-003	0.05
tblVehicleEF	LDA	0.61	0.72
tblVehicleEF	LDA	1.10	2.10
tblVehicleEF	LDA	264.52	270.89
tblVehicleEF	LDA	56.84	53.31
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.18
tblVehicleEF	LDA	2.0040e-003	1.7960e-003
tblVehicleEF	LDA	2.2630e-003	1.8390e-003
tblVehicleEF	LDA	1.8470e-003	1.6540e-003
tblVehicleEF	LDA	2.0810e-003	1.6910e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.22

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	LDA	2.6490e-003	2.6800e-003
tblVehicleEF	LDA	5.8700e-004	5.2800e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDA	5.0590e-003	3.2480e-003
tblVehicleEF	LDA	4.5320e-003	0.04
tblVehicleEF	LDA	0.68	0.79
tblVehicleEF	LDA	0.94	1.79
tblVehicleEF	LDA	278.28	283.19
tblVehicleEF	LDA	56.84	52.73
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.06	0.17
tblVehicleEF	LDA	2.0040e-003	1.7960e-003
tblVehicleEF	LDA	2.2630e-003	1.8390e-003
tblVehicleEF	LDA	1.8470e-003	1.6540e-003
tblVehicleEF	LDA	2.0810e-003	1.6910e-003
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.06	0.20
tblVehicleEF	LDA	2.7880e-003	2.8020e-003

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	LDA	5.8400e-004	5.2200e-004
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.20
tblVehicleEF	LDA	0.07	0.22
tblVehicleEF	LDA	4.6390e-003	2.9680e-003
tblVehicleEF	LDA	5.2220e-003	0.05
tblVehicleEF	LDA	0.59	0.69
tblVehicleEF	LDA	1.13	2.17
tblVehicleEF	LDA	260.28	266.39
tblVehicleEF	LDA	56.84	53.43
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.07	0.19
tblVehicleEF	LDA	2.0040e-003	1.7960e-003
tblVehicleEF	LDA	2.2630e-003	1.8390e-003
tblVehicleEF	LDA	1.8470e-003	1.6540e-003
tblVehicleEF	LDA	2.0810e-003	1.6910e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.07	0.23
tblVehicleEF	LDA	2.6070e-003	2.6350e-003
tblVehicleEF	LDA	5.8700e-004	5.2900e-004

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.24
tblVehicleEF	LDA	0.08	0.25
tblVehicleEF	LDT1	0.01	7.7890e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.50	1.46
tblVehicleEF	LDT1	2.78	2.27
tblVehicleEF	LDT1	329.98	318.65
tblVehicleEF	LDT1	69.73	63.32
tblVehicleEF	LDT1	0.14	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.1530e-003	2.7170e-003
tblVehicleEF	LDT1	3.4030e-003	2.6330e-003
tblVehicleEF	LDT1	2.9030e-003	2.5000e-003
tblVehicleEF	LDT1	3.1300e-003	2.4210e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.27	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.19	0.36
tblVehicleEF	LDT1	3.3190e-003	3.1530e-003
tblVehicleEF	LDT1	7.4600e-004	6.2700e-004
tblVehicleEF	LDT1	0.13	0.13

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	LDT1	0.27	0.20
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.17	0.70
tblVehicleEF	LDT1	0.21	0.39
tblVehicleEF	LDT1	0.01	8.2630e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.65	1.59
tblVehicleEF	LDT1	2.36	1.93
tblVehicleEF	LDT1	345.91	331.08
tblVehicleEF	LDT1	69.73	62.64
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.15	0.24
tblVehicleEF	LDT1	3.1530e-003	2.7170e-003
tblVehicleEF	LDT1	3.4030e-003	2.6330e-003
tblVehicleEF	LDT1	2.9030e-003	2.5000e-003
tblVehicleEF	LDT1	3.1300e-003	2.4210e-003
tblVehicleEF	LDT1	0.21	0.20
tblVehicleEF	LDT1	0.29	0.21
tblVehicleEF	LDT1	0.16	0.15
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.17	0.32
tblVehicleEF	LDT1	3.4800e-003	3.2760e-003
tblVehicleEF	LDT1	7.3900e-004	6.2000e-004
tblVehicleEF	LDT1	0.21	0.20
tblVehicleEF	LDT1	0.29	0.21

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	LDT1	0.16	0.15
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.16	0.65
tblVehicleEF	LDT1	0.18	0.35
tblVehicleEF	LDT1	0.01	7.6410e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.46	1.41
tblVehicleEF	LDT1	2.85	2.35
tblVehicleEF	LDT1	324.92	314.09
tblVehicleEF	LDT1	69.73	63.47
tblVehicleEF	LDT1	0.14	0.12
tblVehicleEF	LDT1	0.16	0.26
tblVehicleEF	LDT1	3.1530e-003	2.7170e-003
tblVehicleEF	LDT1	3.4030e-003	2.6330e-003
tblVehicleEF	LDT1	2.9030e-003	2.5000e-003
tblVehicleEF	LDT1	3.1300e-003	2.4210e-003
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.31	0.23
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.20	0.37
tblVehicleEF	LDT1	3.2670e-003	3.1080e-003
tblVehicleEF	LDT1	7.4700e-004	6.2800e-004
tblVehicleEF	LDT1	0.13	0.13
tblVehicleEF	LDT1	0.31	0.23
tblVehicleEF	LDT1	0.10	0.10

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.20	0.83
tblVehicleEF	LDT1	0.21	0.40
tblVehicleEF	LDT2	6.5030e-003	4.9910e-003
tblVehicleEF	LDT2	6.3830e-003	0.07
tblVehicleEF	LDT2	0.79	1.02
tblVehicleEF	LDT2	1.35	2.65
tblVehicleEF	LDT2	369.75	341.38
tblVehicleEF	LDT2	78.41	68.34
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.11	0.28
tblVehicleEF	LDT2	1.9980e-003	1.9050e-003
tblVehicleEF	LDT2	2.3340e-003	1.8880e-003
tblVehicleEF	LDT2	1.8370e-003	1.7530e-003
tblVehicleEF	LDT2	2.1460e-003	1.7360e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.31
tblVehicleEF	LDT2	3.7040e-003	3.3770e-003
tblVehicleEF	LDT2	8.0700e-004	6.7600e-004
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.03

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.34
tblVehicleEF	LDT2	6.9410e-003	5.3200e-003
tblVehicleEF	LDT2	5.6550e-003	0.06
tblVehicleEF	LDT2	0.88	1.12
tblVehicleEF	LDT2	1.16	2.26
tblVehicleEF	LDT2	388.22	353.53
tblVehicleEF	LDT2	78.41	67.60
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.10	0.26
tblVehicleEF	LDT2	1.9980e-003	1.9050e-003
tblVehicleEF	LDT2	2.3340e-003	1.8880e-003
tblVehicleEF	LDT2	1.8370e-003	1.7530e-003
tblVehicleEF	LDT2	2.1460e-003	1.7360e-003
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.38
tblVehicleEF	LDT2	0.08	0.28
tblVehicleEF	LDT2	3.8890e-003	3.4980e-003
tblVehicleEF	LDT2	8.0300e-004	6.6900e-004
tblVehicleEF	LDT2	0.07	0.11
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.07	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.38

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	LDT2	0.08	0.31
tblVehicleEF	LDT2	6.3770e-003	4.8890e-003
tblVehicleEF	LDT2	6.5100e-003	0.07
tblVehicleEF	LDT2	0.77	0.99
tblVehicleEF	LDT2	1.39	2.74
tblVehicleEF	LDT2	363.95	336.92
tblVehicleEF	LDT2	78.41	68.50
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.11	0.29
tblVehicleEF	LDT2	1.9980e-003	1.9050e-003
tblVehicleEF	LDT2	2.3340e-003	1.8880e-003
tblVehicleEF	LDT2	1.8370e-003	1.7530e-003
tblVehicleEF	LDT2	2.1460e-003	1.7360e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.09	0.32
tblVehicleEF	LDT2	3.6450e-003	3.3330e-003
tblVehicleEF	LDT2	8.0700e-004	6.7800e-004
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.48
tblVehicleEF	LDT2	0.10	0.35

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	LHD1	5.4900e-003	5.5830e-003
tblVehicleEF	LHD1	0.01	5.7240e-003
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tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.82	0.65
tblVehicleEF	LHD1	2.61	1.14
tblVehicleEF	LHD1	9.01	8.89
tblVehicleEF	LHD1	602.57	666.21
tblVehicleEF	LHD1	32.53	12.43
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.18	0.65
tblVehicleEF	LHD1	1.00	0.33
tblVehicleEF	LHD1	8.5900e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	0.01	6.4420e-003
tblVehicleEF	LHD1	9.5300e-004	2.8500e-004
tblVehicleEF	LHD1	8.2200e-004	7.2400e-004
tblVehicleEF	LHD1	2.5220e-003	2.4200e-003
tblVehicleEF	LHD1	9.6600e-003	6.1330e-003
tblVehicleEF	LHD1	8.7600e-004	2.6200e-004
tblVehicleEF	LHD1	3.1050e-003	2.5670e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8470e-003	1.5640e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.30	0.56
tblVehicleEF	LHD1	0.26	0.08

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9150e-003	6.5060e-003
tblVehicleEF	LHD1	3.7400e-004	1.2300e-004
tblVehicleEF	LHD1	3.1050e-003	2.5670e-003
tblVehicleEF	LHD1	0.10	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8470e-003	1.5640e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.56
tblVehicleEF	LHD1	0.28	0.09
tblVehicleEF	LHD1	5.4900e-003	5.5950e-003
tblVehicleEF	LHD1	0.01	5.8420e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.83	0.67
tblVehicleEF	LHD1	2.49	1.09
tblVehicleEF	LHD1	9.01	8.89
tblVehicleEF	LHD1	602.57	666.23
tblVehicleEF	LHD1	32.53	12.33
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.11	0.61
tblVehicleEF	LHD1	0.95	0.32
tblVehicleEF	LHD1	8.5900e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	0.01	6.4420e-003
tblVehicleEF	LHD1	9.5300e-004	2.8500e-004
tblVehicleEF	LHD1	8.2200e-004	7.2400e-004

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	LHD1	2.5220e-003	2.4200e-003
tblVehicleEF	LHD1	9.6600e-003	6.1330e-003
tblVehicleEF	LHD1	8.7600e-004	2.6200e-004
tblVehicleEF	LHD1	4.7620e-003	3.8550e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.7490e-003	2.2100e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.25	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9150e-003	6.5070e-003
tblVehicleEF	LHD1	3.7200e-004	1.2200e-004
tblVehicleEF	LHD1	4.7620e-003	3.8550e-003
tblVehicleEF	LHD1	0.11	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	2.7490e-003	2.2100e-003
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.30	0.54
tblVehicleEF	LHD1	0.27	0.08
tblVehicleEF	LHD1	5.4900e-003	5.5810e-003
tblVehicleEF	LHD1	0.01	5.6940e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.19
tblVehicleEF	LHD1	0.82	0.65
tblVehicleEF	LHD1	2.62	1.14
tblVehicleEF	LHD1	9.01	8.89

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	LHD1	602.57	666.20
tblVehicleEF	LHD1	32.53	12.44
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.16	0.64
tblVehicleEF	LHD1	1.00	0.34
tblVehicleEF	LHD1	8.5900e-004	7.5700e-004
tblVehicleEF	LHD1	0.01	9.6790e-003
tblVehicleEF	LHD1	0.01	6.4420e-003
tblVehicleEF	LHD1	9.5300e-004	2.8500e-004
tblVehicleEF	LHD1	8.2200e-004	7.2400e-004
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tblVehicleEF	LHD1	9.6600e-003	6.1330e-003
tblVehicleEF	LHD1	8.7600e-004	2.6200e-004
tblVehicleEF	LHD1	3.2410e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.8470e-003	1.5420e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.26	0.08
tblVehicleEF	LHD1	9.0000e-005	8.6000e-005
tblVehicleEF	LHD1	5.9150e-003	6.5060e-003
tblVehicleEF	LHD1	3.7400e-004	1.2300e-004
tblVehicleEF	LHD1	3.2410e-003	2.7050e-003
tblVehicleEF	LHD1	0.12	0.09
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.8470e-003	1.5420e-003

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.33	0.60
tblVehicleEF	LHD1	0.28	0.09
tblVehicleEF	LHD2	3.9190e-003	3.9120e-003
tblVehicleEF	LHD2	4.1770e-003	3.9650e-003
tblVehicleEF	LHD2	8.3290e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.36	0.44
tblVehicleEF	LHD2	1.31	0.76
tblVehicleEF	LHD2	13.72	13.45
tblVehicleEF	LHD2	614.85	667.35
tblVehicleEF	LHD2	27.18	9.56
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.79	0.84
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1860e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.4880e-003	0.01
tblVehicleEF	LHD2	4.4600e-004	1.6200e-004
tblVehicleEF	LHD2	1.1350e-003	1.1980e-003
tblVehicleEF	LHD2	2.6600e-003	2.6330e-003
tblVehicleEF	LHD2	9.0640e-003	9.5770e-003
tblVehicleEF	LHD2	4.1000e-004	1.4900e-004
tblVehicleEF	LHD2	1.1420e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.3400e-004	9.7100e-004

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.11	0.05
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tblVehicleEF	LHD2	5.9900e-003	6.4600e-003
tblVehicleEF	LHD2	2.9600e-004	9.5000e-005
tblVehicleEF	LHD2	1.1420e-003	1.5680e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.3400e-004	9.7100e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.35
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.9190e-003	3.9200e-003
tblVehicleEF	LHD2	4.2300e-003	4.0120e-003
tblVehicleEF	LHD2	8.0420e-003	0.01
tblVehicleEF	LHD2	0.13	0.15
tblVehicleEF	LHD2	0.36	0.44
tblVehicleEF	LHD2	1.25	0.73
tblVehicleEF	LHD2	13.72	13.45
tblVehicleEF	LHD2	614.85	667.36
tblVehicleEF	LHD2	27.18	9.50
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.75	0.79
tblVehicleEF	LHD2	0.53	0.22
tblVehicleEF	LHD2	1.1860e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	LHD2	9.4880e-003	0.01
tblVehicleEF	LHD2	4.4600e-004	1.6200e-004
tblVehicleEF	LHD2	1.1350e-003	1.1980e-003
tblVehicleEF	LHD2	2.6600e-003	2.6330e-003
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tblVehicleEF	LHD2	1.7400e-003	2.3400e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0770e-003	1.3640e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	1.3400e-004	1.2900e-004
tblVehicleEF	LHD2	5.9900e-003	6.4600e-003
tblVehicleEF	LHD2	2.9400e-004	9.4000e-005
tblVehicleEF	LHD2	1.7400e-003	2.3400e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.0770e-003	1.3640e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.08	0.34
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	LHD2	3.9190e-003	3.9100e-003
tblVehicleEF	LHD2	4.1650e-003	3.9540e-003
tblVehicleEF	LHD2	8.3690e-003	0.01
tblVehicleEF	LHD2	0.13	0.15

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	LHD2	0.36	0.44
tblVehicleEF	LHD2	1.31	0.77
tblVehicleEF	LHD2	13.72	13.45
tblVehicleEF	LHD2	614.85	667.35
tblVehicleEF	LHD2	27.18	9.57
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.78	0.82
tblVehicleEF	LHD2	0.55	0.23
tblVehicleEF	LHD2	1.1860e-003	1.2520e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.4880e-003	0.01
tblVehicleEF	LHD2	4.4600e-004	1.6200e-004
tblVehicleEF	LHD2	1.1350e-003	1.1980e-003
tblVehicleEF	LHD2	2.6600e-003	2.6330e-003
tblVehicleEF	LHD2	9.0640e-003	9.5770e-003
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tblVehicleEF	LHD2	1.1570e-003	1.6250e-003
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	7.2200e-004	9.4300e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.11	0.06
tblVehicleEF	LHD2	1.3400e-004	1.2900e-004
tblVehicleEF	LHD2	5.9900e-003	6.4600e-003
tblVehicleEF	LHD2	2.9600e-004	9.5000e-005
tblVehicleEF	LHD2	1.1570e-003	1.6250e-003

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.2200e-004	9.4300e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.09	0.38
tblVehicleEF	LHD2	0.12	0.06
tblVehicleEF	MCY	0.51	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.80	19.19
tblVehicleEF	MCY	9.65	8.53
tblVehicleEF	MCY	183.48	223.45
tblVehicleEF	MCY	44.84	59.65
tblVehicleEF	MCY	1.13	1.13
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	2.2940e-003	2.4320e-003
tblVehicleEF	MCY	3.7680e-003	3.2970e-003
tblVehicleEF	MCY	2.1440e-003	2.2730e-003
tblVehicleEF	MCY	3.5480e-003	3.1040e-003
tblVehicleEF	MCY	1.14	1.09
tblVehicleEF	MCY	0.67	0.66
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	2.48	2.61
tblVehicleEF	MCY	0.62	1.99
tblVehicleEF	MCY	2.05	1.82
tblVehicleEF	MCY	2.2170e-003	2.2110e-003
tblVehicleEF	MCY	6.6700e-004	5.9000e-004
tblVehicleEF	MCY	1.14	1.09

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	MCY	0.67	0.66
tblVehicleEF	MCY	0.68	0.67
tblVehicleEF	MCY	3.09	3.24
tblVehicleEF	MCY	0.62	1.99
tblVehicleEF	MCY	2.23	1.98
tblVehicleEF	MCY	0.50	0.37
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	18.21	18.47
tblVehicleEF	MCY	8.85	7.76
tblVehicleEF	MCY	183.48	222.09
tblVehicleEF	MCY	44.84	57.74
tblVehicleEF	MCY	0.98	0.99
tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	2.2940e-003	2.4320e-003
tblVehicleEF	MCY	3.7680e-003	3.2970e-003
tblVehicleEF	MCY	2.1440e-003	2.2730e-003
tblVehicleEF	MCY	3.5480e-003	3.1040e-003
tblVehicleEF	MCY	1.89	1.77
tblVehicleEF	MCY	0.77	0.73
tblVehicleEF	MCY	1.19	1.10
tblVehicleEF	MCY	2.43	2.55
tblVehicleEF	MCY	0.59	1.87
tblVehicleEF	MCY	1.83	1.61
tblVehicleEF	MCY	2.2060e-003	2.1980e-003
tblVehicleEF	MCY	6.4700e-004	5.7100e-004
tblVehicleEF	MCY	1.89	1.77
tblVehicleEF	MCY	0.77	0.73

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	MCY	1.19	1.10
tblVehicleEF	MCY	3.02	3.17
tblVehicleEF	MCY	0.59	1.87
tblVehicleEF	MCY	1.99	1.75
tblVehicleEF	MCY	0.51	0.38
tblVehicleEF	MCY	0.15	0.24
tblVehicleEF	MCY	18.82	19.29
tblVehicleEF	MCY	9.73	8.66
tblVehicleEF	MCY	183.48	223.65
tblVehicleEF	MCY	44.84	59.99
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	0.31	0.27
tblVehicleEF	MCY	2.2940e-003	2.4320e-003
tblVehicleEF	MCY	3.7680e-003	3.2970e-003
tblVehicleEF	MCY	2.1440e-003	2.2730e-003
tblVehicleEF	MCY	3.5480e-003	3.1040e-003
tblVehicleEF	MCY	1.26	1.18
tblVehicleEF	MCY	0.87	0.85
tblVehicleEF	MCY	0.67	0.64
tblVehicleEF	MCY	2.49	2.62
tblVehicleEF	MCY	0.71	2.29
tblVehicleEF	MCY	2.08	1.86
tblVehicleEF	MCY	2.2180e-003	2.2130e-003
tblVehicleEF	MCY	6.6900e-004	5.9400e-004
tblVehicleEF	MCY	1.26	1.18
tblVehicleEF	MCY	0.87	0.85
tblVehicleEF	MCY	0.67	0.64

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	MCY	3.10	3.26
tblVehicleEF	MCY	0.71	2.29
tblVehicleEF	MCY	2.27	2.02
tblVehicleEF	MDV	0.01	6.5750e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.28	1.22
tblVehicleEF	MDV	2.55	3.11
tblVehicleEF	MDV	499.94	419.24
tblVehicleEF	MDV	104.42	83.18
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.23	0.35
tblVehicleEF	MDV	2.1490e-003	2.0820e-003
tblVehicleEF	MDV	2.4500e-003	2.0580e-003
tblVehicleEF	MDV	1.9810e-003	1.9190e-003
tblVehicleEF	MDV	2.2530e-003	1.8920e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.19	0.40
tblVehicleEF	MDV	5.0080e-003	4.1450e-003
tblVehicleEF	MDV	1.0890e-003	8.2300e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.16	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.05	0.04

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.21	0.44
tblVehicleEF	MDV	0.01	6.9930e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.42	1.33
tblVehicleEF	MDV	2.17	2.64
tblVehicleEF	MDV	524.64	432.09
tblVehicleEF	MDV	104.42	82.28
tblVehicleEF	MDV	0.12	0.10
tblVehicleEF	MDV	0.21	0.32
tblVehicleEF	MDV	2.1490e-003	2.0820e-003
tblVehicleEF	MDV	2.4500e-003	2.0580e-003
tblVehicleEF	MDV	1.9810e-003	1.9190e-003
tblVehicleEF	MDV	2.2530e-003	1.8920e-003
tblVehicleEF	MDV	0.12	0.13
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.11	0.13
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.40
tblVehicleEF	MDV	0.17	0.36
tblVehicleEF	MDV	5.2560e-003	4.2720e-003
tblVehicleEF	MDV	1.0820e-003	8.1400e-004
tblVehicleEF	MDV	0.12	0.13
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.11	0.13
tblVehicleEF	MDV	0.05	0.04
tblVehicleEF	MDV	0.09	0.40

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	MDV	0.19	0.39
tblVehicleEF	MDV	0.01	6.4430e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.24	1.18
tblVehicleEF	MDV	2.61	3.21
tblVehicleEF	MDV	492.31	414.54
tblVehicleEF	MDV	104.42	83.37
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.23	0.35
tblVehicleEF	MDV	2.1490e-003	2.0820e-003
tblVehicleEF	MDV	2.4500e-003	2.0580e-003
tblVehicleEF	MDV	1.9810e-003	1.9190e-003
tblVehicleEF	MDV	2.2530e-003	1.8920e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.20	0.41
tblVehicleEF	MDV	4.9310e-003	4.0980e-003
tblVehicleEF	MDV	1.0900e-003	8.2500e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.50
tblVehicleEF	MDV	0.22	0.45

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.16	1.21
tblVehicleEF	MH	5.62	2.15
tblVehicleEF	MH	1,106.35	1,501.21
tblVehicleEF	MH	59.31	19.42
tblVehicleEF	MH	1.21	1.11
tblVehicleEF	MH	0.79	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0820e-003	2.8400e-004
tblVehicleEF	MH	3.2160e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.9500e-004	2.6100e-004
tblVehicleEF	MH	1.02	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.42	0.35
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.02	1.46
tblVehicleEF	MH	0.32	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9100e-004	1.9200e-004
tblVehicleEF	MH	1.02	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.42	0.35
tblVehicleEF	MH	0.12	0.08
tblVehicleEF	MH	0.02	1.46

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	MH	0.35	0.11
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.23	1.24
tblVehicleEF	MH	5.28	2.03
tblVehicleEF	MH	1,106.35	1,501.27
tblVehicleEF	MH	59.31	19.21
tblVehicleEF	MH	1.12	1.03
tblVehicleEF	MH	0.76	0.24
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0820e-003	2.8400e-004
tblVehicleEF	MH	3.2160e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.9500e-004	2.6100e-004
tblVehicleEF	MH	1.55	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.64	0.50
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.31	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.8500e-004	1.9000e-004
tblVehicleEF	MH	1.55	1.24
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.64	0.50
tblVehicleEF	MH	0.12	0.08

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	MH	0.02	1.43
tblVehicleEF	MH	0.34	0.10
tblVehicleEF	MH	0.03	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.15	1.20
tblVehicleEF	MH	5.66	2.18
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tblVehicleEF	MH	59.31	19.45
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tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0820e-003	2.8400e-004
tblVehicleEF	MH	3.2160e-003	3.2450e-003
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tblVehicleEF	MH	9.9500e-004	2.6100e-004
tblVehicleEF	MH	1.15	0.94
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.44	0.36
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tblVehicleEF	MH	0.02	1.54
tblVehicleEF	MH	0.32	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.9200e-004	1.9300e-004
tblVehicleEF	MH	1.15	0.94
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.44	0.36

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	MH	0.11	0.08
tblVehicleEF	MH	0.02	1.54
tblVehicleEF	MH	0.35	0.11
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tblVehicleEF	MHD	0.03	0.02
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Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

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tblVehicleEF	MHD	1.1040e-003	6.6200e-004
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tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.0500e-004	4.2600e-004
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tblVehicleEF	MHD	5.0820e-003	0.03
tblVehicleEF	MHD	7.9200e-004	1.3700e-004
tblVehicleEF	MHD	1.9800e-004	8.7100e-004

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	MHD	4.8580e-003	0.03
tblVehicleEF	MHD	7.2800e-004	1.2600e-004
tblVehicleEF	MHD	1.6790e-003	9.9300e-004
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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.0380e-003	6.0400e-004
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tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.34	0.06
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tblVehicleEF	MHD	1.6790e-003	9.9300e-004
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tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0380e-003	6.0400e-004
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.37	0.07
tblVehicleEF	MHD	0.02	4.7150e-003
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tblVehicleEF	MHD	0.32	0.47
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tblVehicleEF	MHD	1,137.96	1,069.64

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	MHD	59.88	12.07
tblVehicleEF	MHD	0.50	0.48
tblVehicleEF	MHD	1.08	1.60
tblVehicleEF	MHD	10.60	1.29
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tblVehicleEF	MHD	5.0820e-003	0.03
tblVehicleEF	MHD	7.9200e-004	1.3700e-004
tblVehicleEF	MHD	2.8600e-004	1.2500e-003
tblVehicleEF	MHD	4.8580e-003	0.03
tblVehicleEF	MHD	7.2800e-004	1.2600e-004
tblVehicleEF	MHD	1.1390e-003	6.8600e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	7.0000e-004	4.1600e-004
tblVehicleEF	MHD	0.04	0.06
tblVehicleEF	MHD	0.02	0.16
tblVehicleEF	MHD	0.35	0.07
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tblVehicleEF	MHD	7.0000e-004	1.1900e-004
tblVehicleEF	MHD	1.1390e-003	6.8600e-004
tblVehicleEF	MHD	0.05	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	7.0000e-004	4.1600e-004
tblVehicleEF	MHD	0.05	0.07
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Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	OBUS	0.01	8.4810e-003
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tblVehicleEF	OBUS	1,242.12	1,392.48
tblVehicleEF	OBUS	68.54	19.23
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tblVehicleEF	OBUS	2.42	0.76
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tblVehicleEF	OBUS	7.0660e-003	0.02
tblVehicleEF	OBUS	8.3000e-004	1.9700e-004
tblVehicleEF	OBUS	9.7000e-005	7.5900e-004
tblVehicleEF	OBUS	6.7440e-003	0.02
tblVehicleEF	OBUS	7.6300e-004	1.8100e-004
tblVehicleEF	OBUS	1.5080e-003	1.8440e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	7.8700e-004	9.4300e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	9.8000e-004	9.0000e-004
tblVehicleEF	OBUS	0.01	0.01

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	OBUS	7.8100e-004	1.9000e-004
tblVehicleEF	OBUS	1.5080e-003	1.8440e-003
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tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.8700e-004	9.4300e-004
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.37	0.13
tblVehicleEF	OBUS	0.01	8.5410e-003
tblVehicleEF	OBUS	7.8330e-003	7.1420e-003
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tblVehicleEF	OBUS	106.49	94.47
tblVehicleEF	OBUS	1,242.12	1,392.51
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tblVehicleEF	OBUS	1.38	1.47
tblVehicleEF	OBUS	2.38	0.75
tblVehicleEF	OBUS	8.5000e-005	6.7400e-004
tblVehicleEF	OBUS	7.0660e-003	0.02
tblVehicleEF	OBUS	8.3000e-004	1.9700e-004
tblVehicleEF	OBUS	8.2000e-005	6.4500e-004
tblVehicleEF	OBUS	6.7440e-003	0.02
tblVehicleEF	OBUS	7.6300e-004	1.8100e-004
tblVehicleEF	OBUS	2.2620e-003	2.6890e-003

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	OBUS	0.02	0.02
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tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.33	0.11
tblVehicleEF	OBUS	1.0280e-003	8.9900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7600e-004	1.8800e-004
tblVehicleEF	OBUS	2.2620e-003	2.6890e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	1.1670e-003	1.3250e-003
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.26
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	0.01	8.4180e-003
tblVehicleEF	OBUS	7.6720e-003	6.9830e-003
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tblVehicleEF	OBUS	94.52	94.79
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tblVehicleEF	OBUS	0.43	0.47
tblVehicleEF	OBUS	1.44	1.54

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	OBUS	2.43	0.76
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tblVehicleEF	OBUS	1.1800e-004	9.1600e-004
tblVehicleEF	OBUS	6.7440e-003	0.02
tblVehicleEF	OBUS	7.6300e-004	1.8100e-004
tblVehicleEF	OBUS	1.5460e-003	1.9270e-003
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tblVehicleEF	OBUS	7.8200e-004	1.9100e-004
tblVehicleEF	OBUS	1.5460e-003	1.9270e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.7900e-004	9.2500e-004
tblVehicleEF	OBUS	0.07	0.08
tblVehicleEF	OBUS	0.04	0.28
tblVehicleEF	OBUS	0.38	0.13
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0580e-003
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Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	SBUS	7.95	2.77
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tblVehicleEF	SBUS	2.6870e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
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tblVehicleEF	SBUS	1.8470e-003	4.8200e-004
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Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

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tblVehicleEF	SBUS	7.5300e-004	5.1000e-005
tblVehicleEF	SBUS	7.6570e-003	3.3320e-003
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tblVehicleEF	SBUS	6.9200e-004	4.7000e-005

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	SBUS	5.4390e-003	1.3200e-003
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tblVehicleEF	SBUS	0.37	0.03
tblVehicleEF	SBUS	0.84	0.07
tblVehicleEF	SBUS	0.01	7.0360e-003
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Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

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tblVehicleEF	SBUS	2.6870e-003	2.6820e-003
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tblVehicleEF	SBUS	6.9200e-004	4.7000e-005
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tblVehicleEF	SBUS	0.02	0.06
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tblVehicleEF	SBUS	6.7000e-004	5.2000e-005
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tblVehicleEF	SBUS	1.37	0.46
tblVehicleEF	SBUS	1.8150e-003	4.6300e-004
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Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	UBUS	2.39	5.80
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tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	0.79	0.05
tblVehicleEF	UBUS	9.6440e-003	1.5580e-003
tblVehicleEF	UBUS	1.2810e-003	8.4000e-005
tblVehicleEF	UBUS	4.9850e-003	6.1100e-004
tblVehicleEF	UBUS	0.08	8.4590e-003
tblVehicleEF	UBUS	2.8390e-003	4.9000e-004

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	UBUS	3.23	5.92
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	0.86	0.05
tblVehicleEF	UBUS	2.39	5.80
tblVehicleEF	UBUS	0.05	0.01
tblVehicleEF	UBUS	10.60	45.07
tblVehicleEF	UBUS	8.88	0.62
tblVehicleEF	UBUS	1,926.89	1,988.80
tblVehicleEF	UBUS	109.62	8.38
tblVehicleEF	UBUS	8.08	0.48
tblVehicleEF	UBUS	14.63	0.08
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.11	3.2120e-003
tblVehicleEF	UBUS	1.1690e-003	4.6000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.10	3.0700e-003
tblVehicleEF	UBUS	1.0750e-003	4.2000e-005
tblVehicleEF	UBUS	7.3050e-003	8.9300e-004
tblVehicleEF	UBUS	0.08	8.7350e-003
tblVehicleEF	UBUS	4.1800e-003	6.8000e-004
tblVehicleEF	UBUS	0.77	0.08
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.72	0.04
tblVehicleEF	UBUS	9.6450e-003	1.5580e-003
tblVehicleEF	UBUS	1.2580e-003	8.3000e-005

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	UBUS	7.3050e-003	8.9300e-004
tblVehicleEF	UBUS	0.08	8.7350e-003
tblVehicleEF	UBUS	4.1800e-003	6.8000e-004
tblVehicleEF	UBUS	3.25	5.92
tblVehicleEF	UBUS	0.02	0.05
tblVehicleEF	UBUS	0.79	0.05
tblVehicleEF	UBUS	2.39	5.80
tblVehicleEF	UBUS	0.06	0.01
tblVehicleEF	UBUS	10.54	45.07
tblVehicleEF	UBUS	10.42	0.72
tblVehicleEF	UBUS	1,926.89	1,988.80
tblVehicleEF	UBUS	109.62	8.56
tblVehicleEF	UBUS	8.42	0.48
tblVehicleEF	UBUS	14.70	0.08
tblVehicleEF	UBUS	0.59	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.11	3.2120e-003
tblVehicleEF	UBUS	1.1690e-003	4.6000e-005
tblVehicleEF	UBUS	0.25	0.03
tblVehicleEF	UBUS	3.0000e-003	7.9830e-003
tblVehicleEF	UBUS	0.10	3.0700e-003
tblVehicleEF	UBUS	1.0750e-003	4.2000e-005
tblVehicleEF	UBUS	5.5920e-003	5.9500e-004
tblVehicleEF	UBUS	0.10	9.0200e-003
tblVehicleEF	UBUS	2.9890e-003	4.6500e-004
tblVehicleEF	UBUS	0.76	0.08
tblVehicleEF	UBUS	0.03	0.07

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleEF	UBUS	0.80	0.05
tblVehicleEF	UBUS	9.6440e-003	1.5580e-003
tblVehicleEF	UBUS	1.2840e-003	8.5000e-005
tblVehicleEF	UBUS	5.5920e-003	5.9500e-004
tblVehicleEF	UBUS	0.10	9.0200e-003
tblVehicleEF	UBUS	2.9890e-003	4.6500e-004
tblVehicleEF	UBUS	3.23	5.92
tblVehicleEF	UBUS	0.03	0.07
tblVehicleEF	UBUS	0.87	0.05
tblVehicleTrips	CC_TL	8.40	6.80
tblVehicleTrips	CC_TL	8.40	6.80
tblVehicleTrips	CC_TTP	48.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	6.80
tblVehicleTrips	CNW_TL	6.90	6.80
tblVehicleTrips	CNW_TL	6.90	6.80
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	6.80
tblVehicleTrips	CW_TL	16.60	6.80
tblVehicleTrips	CW_TL	16.60	6.80
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	0.00	0.64
tblVehicleTrips	ST_TR	1.68	5.59
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	0.00	0.64
tblVehicleTrips	SU_TR	1.68	5.59
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	0.00	0.64
tblVehicleTrips	WD_TR	1.68	5.59

2.0 Emissions Summary

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
2	2-4-2021	5-3-2021	0.2154	0.2154
3	5-4-2021	8-3-2021	0.7868	0.7868
4	8-4-2021	11-3-2021	0.8057	0.8057
5	11-4-2021	2-3-2022	0.7665	0.7665
6	2-4-2022	5-3-2022	0.6952	0.6952
7	5-4-2022	8-3-2022	1.4187	1.4187
		Highest	1.4187	1.4187

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	0.7169	4.0000e-005	4.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.0500e-003	9.0500e-003	2.0000e-005	0.0000	9.6500e-003
Energy	3.6900e-003	0.0336	0.0282	2.0000e-004		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	291.7921	291.7921	6.8300e-003	2.0300e-003	292.5688
Mobile	0.4433	1.3253	3.7873	0.0118	1.0311	0.0139	1.0450	0.2760	0.0131	0.2891	0.0000	1,110.0725	1,110.0725	0.0494	0.0000	1,111.3075
Offroad	0.0591	0.5486	0.6000	7.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	69.8315	69.8315	0.0226	0.0000	70.3961
Waste						0.0000	0.0000		0.0000	0.0000	33.2520	0.0000	33.2520	1.9651	0.0000	82.3803
Water						0.0000	0.0000		0.0000	0.0000	12.7809	180.8718	193.6527	1.3171	0.0320	236.1042
Total	1.2230	1.9074	4.4201	0.0128	1.0311	0.0528	1.0839	0.2760	0.0491	0.3251	46.0329	1,652.5769	1,698.6098	3.3610	0.0340	1,792.7665

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, 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	0.7169	4.0000e-005	4.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.0500e-003	9.0500e-003	2.0000e-005	0.0000	9.6500e-003
Energy	2.6000e-003	0.0236	0.0198	1.4000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	270.4948	270.4948	6.3800e-003	1.7800e-003	271.1842
Mobile	0.4161	1.0687	3.0927	8.9300e-003	0.7654	0.0106	0.7759	0.2049	9.9500e-003	0.2148	0.0000	836.9335	836.9335	0.0421	0.0000	837.9858
Offroad	0.0591	0.5486	0.6000	7.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	69.8315	69.8315	0.0226	0.0000	70.3961
Waste						0.0000	0.0000		0.0000	0.0000	16.6260	0.0000	16.6260	0.9826	0.0000	41.1902
Water						0.0000	0.0000		0.0000	0.0000	10.2247	145.0663	155.2910	1.0537	0.0256	189.2530
Total	1.1946	1.6409	3.7172	9.8600e-003	0.7654	0.0487	0.8141	0.2049	0.0452	0.2501	26.8507	1,322.3350	1,349.1857	2.1073	0.0274	1,410.0188

	ROG	NOx	CO	SO2	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	2.32	13.97	15.90	23.15	25.77	7.78	24.89	25.77	7.98	23.08	41.67	19.98	20.57	37.30	19.54	21.35

3.0 Construction Detail

Construction Phase

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/20/2021	5/17/2021	5	20	
2	Abandonment of Oil Wells	Trenching	5/18/2021	7/17/2021	5	44	
3	Grading	Grading	7/18/2021	8/13/2021	5	20	
4	Building Construction	Building Construction	8/14/2021	7/1/2022	5	230	
5	Architectural Coating	Architectural Coating	5/8/2022	7/1/2022	5	40	
6	Paving	Paving	6/5/2022	7/1/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.7

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 261,317; Non-Residential Outdoor: 87,106; Striped Parking Area: 4,560 (Architectural Coating – sqft)

OffRoad Equipment

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Abandonment of Oil Wells	Generator Sets	3	8.00	800	0.74
Abandonment of Oil Wells	Off-Highway Trucks	3	8.00	402	0.38
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, 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
Demolition	6	15.00	6.00	583.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Abandonment of Oil Wells	6	15.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	105.00	41.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0631	0.0000	0.0631	9.5500e-003	0.0000	9.5500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
Total	0.0317	0.3144	0.2157	3.9000e-004	0.0631	0.0155	0.0786	9.5500e-003	0.0144	0.0240	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2400e-003	0.0780	0.0172	2.2000e-004	5.0100e-003	2.4000e-004	5.2500e-003	1.3800e-003	2.3000e-004	1.6000e-003	0.0000	21.8763	21.8763	1.5800e-003	0.0000	21.9157
Vendor	1.7000e-004	5.8400e-003	1.4800e-003	2.0000e-005	3.8000e-004	1.0000e-005	3.9000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.4568	1.4568	9.0000e-005	0.0000	1.4592
Worker	6.2000e-004	4.6000e-004	5.2300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4350	1.4350	4.0000e-005	0.0000	1.4359
Total	3.0300e-003	0.0843	0.0239	2.6000e-004	7.0400e-003	2.6000e-004	7.3000e-003	1.9300e-003	2.5000e-004	2.1700e-003	0.0000	24.7681	24.7681	1.7100e-003	0.0000	24.8109

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					0.0284	0.0000	0.0284	4.3000e-003	0.0000	4.3000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
Total	0.0317	0.3144	0.2157	3.9000e-004	0.0284	0.0155	0.0439	4.3000e-003	0.0144	0.0187	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2400e-003	0.0780	0.0172	2.2000e-004	5.0100e-003	2.4000e-004	5.2500e-003	1.3800e-003	2.3000e-004	1.6000e-003	0.0000	21.8763	21.8763	1.5800e-003	0.0000	21.9157
Vendor	1.7000e-004	5.8400e-003	1.4800e-003	2.0000e-005	3.8000e-004	1.0000e-005	3.9000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.4568	1.4568	9.0000e-005	0.0000	1.4592
Worker	6.2000e-004	4.6000e-004	5.2300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4350	1.4350	4.0000e-005	0.0000	1.4359
Total	3.0300e-003	0.0843	0.0239	2.6000e-004	7.0400e-003	2.6000e-004	7.3000e-003	1.9300e-003	2.5000e-004	2.1700e-003	0.0000	24.7681	24.7681	1.7100e-003	0.0000	24.8109

3.3 Abandonment of Oil Wells - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0400	0.3474	0.2379	8.7000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	76.5505	76.5505	0.0248	0.0000	77.1695
Total	0.0400	0.3474	0.2379	8.7000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	76.5505	76.5505	0.0248	0.0000	77.1695

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

3.3 Abandonment of Oil Wells - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.1000e-004	0.0171	4.3300e-003	4.0000e-005	1.1100e-003	3.0000e-005	1.1400e-003	3.2000e-004	3.0000e-005	3.5000e-004	0.0000	4.2734	4.2734	2.8000e-004	0.0000	4.2803
Worker	1.3700e-003	1.0200e-003	0.0115	3.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.1570	3.1570	8.0000e-005	0.0000	3.1591
Total	1.8800e-003	0.0181	0.0159	7.0000e-005	4.7300e-003	6.0000e-005	4.7900e-003	1.2800e-003	6.0000e-005	1.3400e-003	0.0000	7.4304	7.4304	3.6000e-004	0.0000	7.4394

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	0.0400	0.3474	0.2379	8.7000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	76.5504	76.5504	0.0248	0.0000	77.1694
Total	0.0400	0.3474	0.2379	8.7000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	76.5504	76.5504	0.0248	0.0000	77.1694

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

3.3 Abandonment of Oil Wells - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.1000e-004	0.0171	4.3300e-003	4.0000e-005	1.1100e-003	3.0000e-005	1.1400e-003	3.2000e-004	3.0000e-005	3.5000e-004	0.0000	4.2734	4.2734	2.8000e-004	0.0000	4.2803
Worker	1.3700e-003	1.0200e-003	0.0115	3.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.1570	3.1570	8.0000e-005	0.0000	3.1591
Total	1.8800e-003	0.0181	0.0159	7.0000e-005	4.7300e-003	6.0000e-005	4.7900e-003	1.2800e-003	6.0000e-005	1.3400e-003	0.0000	7.4304	7.4304	3.6000e-004	0.0000	7.4394

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.2474	0.1586	3.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2644
Total	0.0229	0.2474	0.1586	3.0000e-004	0.0655	0.0116	0.0771	0.0337	0.0107	0.0443	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2644

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7000e-004	5.8400e-003	1.4800e-003	2.0000e-005	3.8000e-004	1.0000e-005	3.9000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.4568	1.4568	9.0000e-005	0.0000	1.4592
Worker	6.2000e-004	4.6000e-004	5.2300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4350	1.4350	4.0000e-005	0.0000	1.4359
Total	7.9000e-004	6.3000e-003	6.7100e-003	4.0000e-005	2.0300e-003	2.0000e-005	2.0500e-003	5.5000e-004	2.0000e-005	5.7000e-004	0.0000	2.8918	2.8918	1.3000e-004	0.0000	2.8951

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					0.0295	0.0000	0.0295	0.0152	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.2474	0.1586	3.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2643
Total	0.0229	0.2474	0.1586	3.0000e-004	0.0295	0.0116	0.0411	0.0152	0.0107	0.0258	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2643

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7000e-004	5.8400e-003	1.4800e-003	2.0000e-005	3.8000e-004	1.0000e-005	3.9000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.4568	1.4568	9.0000e-005	0.0000	1.4592
Worker	6.2000e-004	4.6000e-004	5.2300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4350	1.4350	4.0000e-005	0.0000	1.4359
Total	7.9000e-004	6.3000e-003	6.7100e-003	4.0000e-005	2.0300e-003	2.0000e-005	2.0500e-003	5.5000e-004	2.0000e-005	5.7000e-004	0.0000	2.8918	2.8918	1.3000e-004	0.0000	2.8951

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0951	0.8716	0.8288	1.3500e-003		0.0479	0.0479		0.0451	0.0451	0.0000	115.8186	115.8186	0.0279	0.0000	116.5172
Total	0.0951	0.8716	0.8288	1.3500e-003		0.0479	0.0479		0.0451	0.0451	0.0000	115.8186	115.8186	0.0279	0.0000	116.5172

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.8900e-003	0.1994	0.0504	5.1000e-004	0.0129	4.1000e-004	0.0133	3.7300e-003	3.9000e-004	4.1200e-003	0.0000	49.7754	49.7754	3.2100e-003	0.0000	49.8556
Worker	0.0218	0.0162	0.1832	5.6000e-004	0.0576	4.3000e-004	0.0580	0.0153	4.0000e-004	0.0157	0.0000	50.2242	50.2242	1.3500e-003	0.0000	50.2580
Total	0.0277	0.2156	0.2336	1.0700e-003	0.0705	8.4000e-004	0.0714	0.0190	7.9000e-004	0.0198	0.0000	99.9996	99.9996	4.5600e-003	0.0000	100.1136

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	0.0951	0.8716	0.8288	1.3500e-003		0.0479	0.0479		0.0451	0.0451	0.0000	115.8185	115.8185	0.0279	0.0000	116.5171
Total	0.0951	0.8716	0.8288	1.3500e-003		0.0479	0.0479		0.0451	0.0451	0.0000	115.8185	115.8185	0.0279	0.0000	116.5171

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.8900e-003	0.1994	0.0504	5.1000e-004	0.0129	4.1000e-004	0.0133	3.7300e-003	3.9000e-004	4.1200e-003	0.0000	49.7754	49.7754	3.2100e-003	0.0000	49.8556
Worker	0.0218	0.0162	0.1832	5.6000e-004	0.0576	4.3000e-004	0.0580	0.0153	4.0000e-004	0.0157	0.0000	50.2242	50.2242	1.3500e-003	0.0000	50.2580
Total	0.0277	0.2156	0.2336	1.0700e-003	0.0705	8.4000e-004	0.0714	0.0190	7.9000e-004	0.0198	0.0000	99.9996	99.9996	4.5600e-003	0.0000	100.1136

3.5 Building Construction - 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	0.1109	1.0150	1.0636	1.7500e-003		0.0526	0.0526		0.0495	0.0495	0.0000	150.6214	150.6214	0.0361	0.0000	151.5235
Total	0.1109	1.0150	1.0636	1.7500e-003		0.0526	0.0526		0.0495	0.0495	0.0000	150.6214	150.6214	0.0361	0.0000	151.5235

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

3.5 Building Construction - 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	7.1900e-003	0.2460	0.0620	6.6000e-004	0.0168	4.6000e-004	0.0173	4.8500e-003	4.4000e-004	5.2900e-003	0.0000	64.1363	64.1363	4.0300e-003	0.0000	64.2370
Worker	0.0266	0.0190	0.2200	7.0000e-004	0.0749	5.5000e-004	0.0754	0.0199	5.1000e-004	0.0204	0.0000	62.9529	62.9529	1.5900e-003	0.0000	62.9926
Total	0.0338	0.2650	0.2820	1.3600e-003	0.0917	1.0100e-003	0.0927	0.0247	9.5000e-004	0.0257	0.0000	127.0892	127.0892	5.6200e-003	0.0000	127.2296

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	0.1109	1.0150	1.0636	1.7500e-003		0.0526	0.0526		0.0495	0.0495	0.0000	150.6212	150.6212	0.0361	0.0000	151.5233
Total	0.1109	1.0150	1.0636	1.7500e-003		0.0526	0.0526		0.0495	0.0495	0.0000	150.6212	150.6212	0.0361	0.0000	151.5233

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

3.5 Building Construction - 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	7.1900e-003	0.2460	0.0620	6.6000e-004	0.0168	4.6000e-004	0.0173	4.8500e-003	4.4000e-004	5.2900e-003	0.0000	64.1363	64.1363	4.0300e-003	0.0000	64.2370
Worker	0.0266	0.0190	0.2200	7.0000e-004	0.0749	5.5000e-004	0.0754	0.0199	5.1000e-004	0.0204	0.0000	62.9529	62.9529	1.5900e-003	0.0000	62.9926
Total	0.0338	0.2650	0.2820	1.3600e-003	0.0917	1.0100e-003	0.0927	0.0247	9.5000e-004	0.0257	0.0000	127.0892	127.0892	5.6200e-003	0.0000	127.2296

3.6 Architectural Coating - 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					
Archit. Coating	0.8180					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0900e-003	0.0282	0.0363	6.0000e-005		1.6300e-003	1.6300e-003		1.6300e-003	1.6300e-003	0.0000	5.1065	5.1065	3.3000e-004	0.0000	5.1148
Total	0.8221	0.0282	0.0363	6.0000e-005		1.6300e-003	1.6300e-003		1.6300e-003	1.6300e-003	0.0000	5.1065	5.1065	3.3000e-004	0.0000	5.1148

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

3.6 Architectural Coating - 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	1.6400e-003	1.1700e-003	0.0135	4.0000e-005	4.6100e-003	3.0000e-005	4.6400e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	3.8740	3.8740	1.0000e-004	0.0000	3.8765
Total	1.6400e-003	1.1700e-003	0.0135	4.0000e-005	4.6100e-003	3.0000e-005	4.6400e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	3.8740	3.8740	1.0000e-004	0.0000	3.8765

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	0.8180					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0900e-003	0.0282	0.0363	6.0000e-005		1.6300e-003	1.6300e-003		1.6300e-003	1.6300e-003	0.0000	5.1065	5.1065	3.3000e-004	0.0000	5.1148
Total	0.8221	0.0282	0.0363	6.0000e-005		1.6300e-003	1.6300e-003		1.6300e-003	1.6300e-003	0.0000	5.1065	5.1065	3.3000e-004	0.0000	5.1148

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

3.6 Architectural Coating - 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	1.6400e-003	1.1700e-003	0.0135	4.0000e-005	4.6100e-003	3.0000e-005	4.6400e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	3.8740	3.8740	1.0000e-004	0.0000	3.8765
Total	1.6400e-003	1.1700e-003	0.0135	4.0000e-005	4.6100e-003	3.0000e-005	4.6400e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	3.8740	3.8740	1.0000e-004	0.0000	3.8765

3.7 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	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	2.2300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0133	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

3.7 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	5.9000e-004	4.2000e-004	4.8300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3836	1.3836	3.0000e-005	0.0000	1.3845
Total	5.9000e-004	4.2000e-004	4.8300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3836	1.3836	3.0000e-005	0.0000	1.3845

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	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	2.2300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0133	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

3.7 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	5.9000e-004	4.2000e-004	4.8300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3836	1.3836	3.0000e-005	0.0000	1.3845
Total	5.9000e-004	4.2000e-004	4.8300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3836	1.3836	3.0000e-005	0.0000	1.3845

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, 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	0.4161	1.0687	3.0927	8.9300e-003	0.7654	0.0106	0.7759	0.2049	9.9500e-003	0.2148	0.0000	836.9335	836.9335	0.0421	0.0000	837.9858
Unmitigated	0.4433	1.3253	3.7873	0.0118	1.0311	0.0139	1.0450	0.2760	0.0131	0.2891	0.0000	1,110.0725	1,110.0725	0.0494	0.0000	1,111.3075

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		
Parking Lot	121.60	121.60	121.60	300,984	223,424
Unrefrigerated Warehouse-No Rail	973.83	973.83	973.83	2,410,434	1,789,291
Total	1,095.43	1,095.43	1,095.43	2,711,418	2,012,715

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	6.80	6.80	6.80	0.00	100.00	0.00	100	0	0
Parking Lot	6.80	6.80	6.80	0.00	100.00	0.00	100	0	0
Unrefrigerated Warehouse-No	6.80	8.40	6.80	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.552111	0.043066	0.201891	0.118512	0.015605	0.005863	0.021387	0.031253	0.002087	0.001818	0.004803	0.000708	0.000896
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.247000	0.206000	0.547000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.683000	0.056000	0.255000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.006000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	244.7805	244.7805	5.8800e-003	1.3100e-003	245.3171
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	255.2566	255.2566	6.1300e-003	1.3600e-003	255.8162
NaturalGas Mitigated	2.6000e-003	0.0236	0.0198	1.4000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	25.7143	25.7143	4.9000e-004	4.7000e-004	25.8671
NaturalGas Unmitigated	3.6900e-003	0.0336	0.0282	2.0000e-004		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	36.5355	36.5355	7.0000e-004	6.7000e-004	36.7526

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	684649	3.6900e-003	0.0336	0.0282	2.0000e-004		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	36.5355	36.5355	7.0000e-004	6.7000e-004	36.7526
Total		3.6900e-003	0.0336	0.0282	2.0000e-004		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	36.5355	36.5355	7.0000e-004	6.7000e-004	36.7526

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	481868	2.6000e-003	0.0236	0.0198	1.4000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	25.7143	25.7143	4.9000e-004	4.7000e-004	25.8671
Total		2.6000e-003	0.0236	0.0198	1.4000e-004		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	25.7143	25.7143	4.9000e-004	4.7000e-004	25.8671

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

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
Parking Lot	26600	9.0372	2.2000e-004	5.0000e-005	9.0570
Unrefrigerated Warehouse-No Rail	724718	246.2194	5.9200e-003	1.3100e-003	246.7592
Total		255.2566	6.1400e-003	1.3600e-003	255.8162

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	26600	9.0372	2.2000e-004	5.0000e-005	9.0570
Unrefrigerated Warehouse-No Rail	693882	235.7432	5.6700e-003	1.2600e-003	236.2600
Total		244.7805	5.8900e-003	1.3100e-003	245.3171

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	0.7169	4.0000e-005	4.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.0500e-003	9.0500e-003	2.0000e-005	0.0000	9.6500e-003
Unmitigated	0.7169	4.0000e-005	4.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.0500e-003	9.0500e-003	2.0000e-005	0.0000	9.6500e-003

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0818					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.3000e-004	4.0000e-005	4.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.0500e-003	9.0500e-003	2.0000e-005	0.0000	9.6500e-003
Total	0.7169	4.0000e-005	4.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.0500e-003	9.0500e-003	2.0000e-005	0.0000	9.6500e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0818					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.3000e-004	4.0000e-005	4.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.0500e-003	9.0500e-003	2.0000e-005	0.0000	9.6500e-003
Total	0.7169	4.0000e-005	4.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.0500e-003	9.0500e-003	2.0000e-005	0.0000	9.6500e-003

7.0 Water Detail

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	155.2910	1.0537	0.0256	189.2530
Unmitigated	193.6527	1.3171	0.0320	236.1042

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.702974	2.6534	6.0000e-005	1.0000e-005	2.6592
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	40.2861 / 0	190.9993	1.3170	0.0320	233.4449
Total		193.6527	1.3171	0.0320	236.1042

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.660093	2.4916	6.0000e-005	1.0000e-005	2.4970
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	32.2289 / 0	152.7994	1.0536	0.0256	186.7559
Total		155.2910	1.0537	0.0256	189.2530

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	16.6260	0.9826	0.0000	41.1902
Unmitigated	33.2520	1.9651	0.0000	82.3803

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.05	0.0102	6.0000e-004	0.0000	0.0252
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	163.76	33.2418	1.9645	0.0000	82.3552
Total		33.2520	1.9651	0.0000	82.3803

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.025	5.0700e-003	3.0000e-004	0.0000	0.0126
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	81.88	16.6209	0.9823	0.0000	41.1776
Total		16.6260	0.9826	0.0000	41.1902

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	4	8.00	260	89	0.20	CNG

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					
Forklifts	0.0591	0.5486	0.6000	7.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	69.8315	69.8315	0.0226	0.0000	70.3961
Total	0.0591	0.5486	0.6000	7.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	69.8315	69.8315	0.0226	0.0000	70.3961

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Bridge Point South Bay VII Project - AB 32 GHG - South Coast Air Basin, Annual
