

APPENDIX B

Air Model Outputs
(Air Quality and Greenhouse Gasses)

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

The Bond Project - Proposed
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	235.00	Space	0.28	105,638.00	0
Hotel	86.00	Room	0.38	64,933.00	0
Quality Restaurant	3.76	1000sqft	0.01	3,756.00	0
Apartments Mid Rise	70.00	Dwelling Unit	0.24	62,750.00	200
Strip Mall	1.38	1000sqft	0.01	1,381.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	628.13	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Section 1.0 Project Characteristics. Operational year 2021 consistent with TIS. CO2 Intensity factor adjusted for 2017 SCE Power Content Label assuming 29% renewables (628.13 lb/MWh).

Land Use - See 1.1 Land Usage. Lot acreage scaled to total 0.92 acres. Strip Mall represents Art Gallery.

Construction Phase - See 3.0 Construction Detail. Based on applicant-provided schedule assumptions.

Off-road Equipment - Common Areas / Shell / Roofing: Applicant provided information.

Off-road Equipment - Exterior Finishes / Interiors / TI / Landscaping: Applicant provided information

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Off-road Equipment - Grading / Site Preparation: Applicant provided information.

Off-road Equipment - Parking / Foundation: Applicant provided information.

Off-road Equipment - Phase 1 Demolition / Shoring & Sound Wall: Applicant provided information.

Off-road Equipment - Phase 2 Demolition / Disassembly: Applicant provided information.

Off-road Equipment - Superstructure / Framing: Applicant provided information.

Trips and VMT - Applicant provided information and default CalEEMod values. All trips rounded to an even number. All demolition debris exported during Phase 2. Haul truck one-way trip length of 29 miles.

On-road Fugitive Dust - Default CalEEMod values.

Demolition - Phase 1 Demolition: 2,996 tons of debris. Phase 2 Demolition: 5,104 tons of debris.

Grading - Applicant provided information. 55,375 CY of export.

Architectural Coating - Default CalEEMod values.

Vehicle Trips - Project-specific weekday trip rates (KOA). Saturday and Sunday trip rates adjusted based on weekday trip rates and CalEEMod default trip rates except for the Art Gallery (Strip Mall).

Vehicle Emission Factors - Default CalEEMod emission factors for 2021.

Vehicle Emission Factors - Default CalEEMod emission factors for 2021.

Vehicle Emission Factors - Default CalEEMod emission factors for 2021.

Road Dust - Default CalEEMod values.

Woodstoves - No woodstoves. No fireplaces.

Consumer Products - Default CalEEMod values.

Area Coating - Default CalEEMod values.

Landscape Equipment - Default CalEEMod values.

Energy Use - Default CalEEMod values.

Water And Wastewater - Default CalEEMod values for indoor and outdoor use. Assumed 100% aerobic.

Solid Waste - Default CalEEMod values.

Sequestration -

Construction Off-road Equipment Mitigation - Off-Road Equipment: Tier 4 Final. Water Exposed Area, Frequency: 2 times per day.

Mobile Land Use Mitigation - No mitigation applied.

Mobile Commute Mitigation - No mitigation applied.

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Area Mitigation - No mitigation applied.

Energy Mitigation - No mitigation applied.

Water Mitigation - No mitigation applied.

Waste Mitigation - Percent Reduction in Waste Disposed: 50%. Waste diversion consistent with Assembly Bill 939.

Operational Off-Road Equipment - No off-road equipment.

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources.

Stationary Sources - User Defined - No stationary sources.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
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
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tblConstructionPhase	NumDays	10.00	15.00

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tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	5.00	80.00
tblConstructionPhase	NumDays	1.00	85.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	59.50	0.00
tblFireplaces	NumberNoFireplace	7.00	70.00
tblFireplaces	NumberWood	3.50	0.00
tblGrading	AcresOfGrading	42.50	0.92
tblGrading	MaterialExported	0.00	55,375.00
tblLandUse	LandUseSquareFeet	94,000.00	105,638.00
tblLandUse	LandUseSquareFeet	124,872.00	64,933.00
tblLandUse	LandUseSquareFeet	3,760.00	3,756.00
tblLandUse	LandUseSquareFeet	70,000.00	62,750.00
tblLandUse	LandUseSquareFeet	1,380.00	1,381.00
tblLandUse	LotAcreage	2.11	0.28
tblLandUse	LotAcreage	2.87	0.38
tblLandUse	LotAcreage	0.09	0.01
tblLandUse	LotAcreage	1.84	0.24
tblLandUse	LotAcreage	0.03	0.01
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	UsageHours	6.00	7.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	4.00	0.00
tblOffRoadEquipment	UsageHours	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	7.00
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tblOffRoadEquipment	UsageHours	7.00	0.00
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tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	628.13
tblTripsAndVMT	HaulingTripLength	20.00	29.00
tblTripsAndVMT	HaulingTripLength	20.00	29.00
tblTripsAndVMT	HaulingTripLength	20.00	29.00
tblTripsAndVMT	HaulingTripNumber	296.00	0.00
tblTripsAndVMT	HaulingTripNumber	505.00	802.00

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tblTripsAndVMT	HaulingTripNumber	6,922.00	7,384.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	4.00
tblTripsAndVMT	WorkerTripNumber	3.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	8.19	8.38
tblVehicleTrips	ST_TR	94.36	87.95
tblVehicleTrips	ST_TR	42.04	6.60
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	5.95	6.09
tblVehicleTrips	SU_TR	72.16	67.26
tblVehicleTrips	SU_TR	20.43	6.60
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	8.17	8.36
tblVehicleTrips	WD_TR	89.95	83.84
tblVehicleTrips	WD_TR	44.32	6.60
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00

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tbWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tbWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tbWater	SepticTankPercent	10.33	0.00
tbWater	SepticTankPercent	10.33	0.00
tbWater	SepticTankPercent	10.33	0.00
tbWater	SepticTankPercent	10.33	0.00
tbWater	SepticTankPercent	10.33	0.00
tbWoodstoves	NumberCatalytic	3.50	0.00
tbWoodstoves	NumberNoncatalytic	3.50	0.00
tbWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.1393	0.0671	5.8211	3.1000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	10.4700	10.4700	0.0103	0.0000	10.7267
Energy	0.0907	0.8146	0.6167	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.9367	989.9367	0.0190	0.0182	995.8194
Mobile	2.3593	11.0907	27.8169	0.0915	7.4617	0.0807	7.5424	1.9969	0.0754	2.0723		9,310.6023	9,310.6023	0.5277		9,323.7950
Total	5.5893	11.9723	34.2546	0.0968	7.4617	0.1755	7.6371	1.9969	0.1701	2.1671	0.0000	10,311.0090	10,311.0090	0.5570	0.0182	10,330.3410

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.1393	0.0671	5.8211	3.1000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	10.4700	10.4700	0.0103	0.0000	10.7267
Energy	0.0907	0.8146	0.6167	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.9367	989.9367	0.0190	0.0182	995.8194
Mobile	2.3593	11.0907	27.8169	0.0915	7.4617	0.0807	7.5424	1.9969	0.0754	2.0723		9,310.6023	9,310.6023	0.5277		9,323.7950
Total	5.5893	11.9723	34.2546	0.0968	7.4617	0.1755	7.6371	1.9969	0.1701	2.1671	0.0000	10,311.0090	10,311.0090	0.5570	0.0182	10,330.3410

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

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase 1 Demolition / Shoring & Sound Wall	Demolition	4/6/2020	4/24/2020	5	15	
2	Phase 2 Demolition / Disassembly	Demolition	4/27/2020	5/22/2020	5	20	
3	Grading / Site Preparation	Site Preparation	5/25/2020	9/18/2020	5	85	
4	Parking / Foundation	Paving	9/21/2020	1/8/2021	5	80	
5	Superstructure / Framing	Building Construction	1/11/2021	5/28/2021	5	100	
6	Common Areas / Shell / Roofing	Building Construction	5/31/2021	10/15/2021	5	100	
7	Exterior Finishes / Interiors / TI / Landscaping	Architectural Coating	10/18/2021	12/24/2021	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.28

Residential Indoor: 127,069; Residential Outdoor: 42,356; Non-Residential Indoor: 105,105; Non-Residential Outdoor: 35,035; Striped Parking Area: 6,338 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase 1 Demolition / Shoring & Sound Wall	Air Compressors	0	0.00	78	0.48
Phase 1 Demolition / Shoring & Sound Wall	Bore/Drill Rigs	0	0.00	221	0.50

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Phase 1 Demolition / Shoring & Sound Wall	Concrete/Industrial Saws	0	8.00	81	0.73
Phase 1 Demolition / Shoring & Sound Wall	Excavators	1	7.00	158	0.38
Phase 1 Demolition / Shoring & Sound Wall	Excavators	0	0.00	158	0.38
Phase 1 Demolition / Shoring & Sound Wall	Rubber Tired Dozers	0	1.00	247	0.40
Phase 1 Demolition / Shoring & Sound Wall	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Phase 2 Demolition / Disassembly	Concrete/Industrial Saws	0	0.00	81	0.73
Phase 2 Demolition / Disassembly	Excavators	0	0.00	158	0.38
Phase 2 Demolition / Disassembly	Rubber Tired Dozers	0	0.00	247	0.40
Phase 2 Demolition / Disassembly	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading / Site Preparation	Bore/Drill Rigs	1	7.00	221	0.50
Grading / Site Preparation	Excavators	2	7.00	158	0.38
Grading / Site Preparation	Forklifts	1	7.00	89	0.20
Grading / Site Preparation	Graders	1	8.00	187	0.41
Grading / Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Grading / Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Parking / Foundation	Cement and Mortar Mixers	0	0.00	9	0.56
Parking / Foundation	Forklifts	2	7.00	89	0.20
Parking / Foundation	Pavers	0	0.00	130	0.42
Parking / Foundation	Paving Equipment	0	0.00	132	0.36
Parking / Foundation	Rollers	0	0.00	80	0.38
Parking / Foundation	Skid Steer Loaders	2	7.00	65	0.37
Parking / Foundation	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Parking / Foundation	Welders	2	7.00	46	0.45
Superstructure / Framing	Cranes	0	0.00	231	0.29
Superstructure / Framing	Forklifts	3	7.00	89	0.20
Superstructure / Framing	Generator Sets	0	0.00	84	0.74

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Superstructure / Framing	Skid Steer Loaders	1	7.00	65	0.37
Superstructure / Framing	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Superstructure / Framing	Welders	2	7.00	46	0.45
Common Areas / Shell / Roofing	Cranes	0	0.00	231	0.29
Common Areas / Shell / Roofing	Forklifts	3	7.00	89	0.20
Common Areas / Shell / Roofing	Generator Sets	0	0.00	84	0.74
Common Areas / Shell / Roofing	Skid Steer Loaders	1	7.00	65	0.37
Common Areas / Shell / Roofing	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Common Areas / Shell / Roofing	Welders	2	7.00	46	0.45
Exterior Finishes / Interiors / TI / Landscaping	Air Compressors	2	7.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Phase 1 Demolition / Shoring & Sound Wall	1	4.00	0.00	0.00	14.70	6.90	29.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Demolition / Disassembly	1	4.00	0.00	802.00	14.70	6.90	29.00	LD_Mix	HDT_Mix	HHDT
Grading / Site Preparation	6	16.00	0.00	7,384.00	14.70	6.90	29.00	LD_Mix	HDT_Mix	HHDT
Parking / Foundation	10	26.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Superstructure / Framing	8	124.00	36.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Common Areas / Shell / Roofing	8	124.00	36.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Exterior Finishes / Interiors / TI / Landscaping	2	25.00	2.00	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

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3.2 Phase 1 Demolition / Shoring & Sound Wall - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.2741	0.0000	4.2741	0.6471	0.0000	0.6471			0.0000			0.0000
Off-Road	0.2144	2.1111	2.8593	4.5200e-003		0.1023	0.1023		0.0941	0.0941		437.6036	437.6036	0.1415		441.1419
Total	0.2144	2.1111	2.8593	4.5200e-003	4.2741	0.1023	4.3764	0.6471	0.0941	0.7412		437.6036	437.6036	0.1415		441.1419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0145	0.1604	4.4000e-004	0.0447	3.7000e-004	0.0451	0.0119	3.4000e-004	0.0122		44.2968	44.2968	1.4000e-003		44.3317
Total	0.0204	0.0145	0.1604	4.4000e-004	0.0447	3.7000e-004	0.0451	0.0119	3.4000e-004	0.0122		44.2968	44.2968	1.4000e-003		44.3317

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3.2 Phase 1 Demolition / Shoring & Sound Wall - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9233	0.0000	1.9233	0.2912	0.0000	0.2912			0.0000			0.0000
Off-Road	0.0556	0.2409	3.4283	4.5200e-003		7.4100e-003	7.4100e-003		7.4100e-003	7.4100e-003	0.0000	437.6036	437.6036	0.1415		441.1419
Total	0.0556	0.2409	3.4283	4.5200e-003	1.9233	7.4100e-003	1.9308	0.2912	7.4100e-003	0.2986	0.0000	437.6036	437.6036	0.1415		441.1419

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0145	0.1604	4.4000e-004	0.0447	3.7000e-004	0.0451	0.0119	3.4000e-004	0.0122		44.2968	44.2968	1.4000e-003		44.3317
Total	0.0204	0.0145	0.1604	4.4000e-004	0.0447	3.7000e-004	0.0451	0.0119	3.4000e-004	0.0122		44.2968	44.2968	1.4000e-003		44.3317

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3.3 Phase 2 Demolition / Disassembly - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.4610	0.0000	5.4610	0.8269	0.0000	0.8269			0.0000			0.0000
Off-Road	0.1833	1.8420	1.9947	2.7200e-003		0.1165	0.1165		0.1072	0.1072		263.1724	263.1724	0.0851		265.3003
Total	0.1833	1.8420	1.9947	2.7200e-003	5.4610	0.1165	5.5775	0.8269	0.1072	0.9340		263.1724	263.1724	0.0851		265.3003

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4859	15.2675	3.6419	0.0435	1.0163	0.0532	1.0694	0.2785	0.0509	0.3294		4,709.0770	4,709.0770	0.3175		4,717.0147
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0145	0.1604	4.4000e-004	0.0447	3.7000e-004	0.0451	0.0119	3.4000e-004	0.0122		44.2968	44.2968	1.4000e-003		44.3317
Total	0.5063	15.2820	3.8023	0.0439	1.0610	0.0535	1.1145	0.2904	0.0512	0.3416		4,753.3738	4,753.3738	0.3189		4,761.3464

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

3.3 Phase 2 Demolition / Disassembly - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4575	0.0000	2.4575	0.3721	0.0000	0.3721			0.0000			0.0000
Off-Road	0.0332	0.1440	2.0493	2.7200e-003		4.4300e-003	4.4300e-003		4.4300e-003	4.4300e-003	0.0000	263.1724	263.1724	0.0851		265.3003
Total	0.0332	0.1440	2.0493	2.7200e-003	2.4575	4.4300e-003	2.4619	0.3721	4.4300e-003	0.3765	0.0000	263.1724	263.1724	0.0851		265.3003

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4859	15.2675	3.6419	0.0435	1.0163	0.0532	1.0694	0.2785	0.0509	0.3294		4,709.0770	4,709.0770	0.3175		4,717.0147
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0145	0.1604	4.4000e-004	0.0447	3.7000e-004	0.0451	0.0119	3.4000e-004	0.0122		44.2968	44.2968	1.4000e-003		44.3317
Total	0.5063	15.2820	3.8023	0.0439	1.0610	0.0535	1.1145	0.2904	0.0512	0.3416		4,753.3738	4,753.3738	0.3189		4,761.3464

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

3.4 Grading / Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0852	0.0000	0.0852	0.0124	0.0000	0.0124			0.0000			0.0000
Off-Road	1.4567	16.6070	12.3813	0.0280		0.6966	0.6966		0.6409	0.6409		2,706.7064	2,706.7064	0.8754		2,728.5914
Total	1.4567	16.6070	12.3813	0.0280	0.0852	0.6966	0.7818	0.0124	0.6409	0.6533		2,706.7064	2,706.7064	0.8754		2,728.5914

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0526	33.0748	7.8896	0.0941	2.2016	0.1152	2.3167	0.6034	0.1102	0.7136		10,201.5034	10,201.5034	0.6878		10,218.6993
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0818	0.0580	0.6416	1.7800e-003	0.1788	1.4900e-003	0.1803	0.0474	1.3800e-003	0.0488		177.1873	177.1873	5.5800e-003		177.3269
Total	1.1343	33.1328	8.5312	0.0959	2.3804	0.1167	2.4971	0.6508	0.1116	0.7624		10,378.6906	10,378.6906	0.6934		10,396.0262

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

3.4 Grading / Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0383	0.0000	0.0383	5.5800e-003	0.0000	5.5800e-003			0.0000			0.0000
Off-Road	0.3444	1.4922	16.6487	0.0280		0.0459	0.0459		0.0459	0.0459	0.0000	2,706.7063	2,706.7063	0.8754		2,728.5914
Total	0.3444	1.4922	16.6487	0.0280	0.0383	0.0459	0.0842	5.5800e-003	0.0459	0.0515	0.0000	2,706.7063	2,706.7063	0.8754		2,728.5914

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0526	33.0748	7.8896	0.0941	2.2016	0.1152	2.3167	0.6034	0.1102	0.7136		10,201.5034	10,201.5034	0.6878		10,218.6993
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0818	0.0580	0.6416	1.7800e-003	0.1788	1.4900e-003	0.1803	0.0474	1.3800e-003	0.0488		177.1873	177.1873	5.5800e-003		177.3269
Total	1.1343	33.1328	8.5312	0.0959	2.3804	0.1167	2.4971	0.6508	0.1116	0.7624		10,378.6906	10,378.6906	0.6934		10,396.0262

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

3.5 Parking / Foundation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7238	14.2476	15.5693	0.0216		0.8676	0.8676		0.8104	0.8104		2,025.1250	2,025.1250	0.5912		2,039.9052
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7238	14.2476	15.5693	0.0216		0.8676	0.8676		0.8104	0.8104		2,025.1250	2,025.1250	0.5912		2,039.9052

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.4400e-003	0.2127	0.0615	5.0000e-004	0.0128	1.0200e-003	0.0138	3.6900e-003	9.7000e-004	4.6600e-003		53.8898	53.8898	3.6000e-003		53.9799
Worker	0.1329	0.0942	1.0426	2.8900e-003	0.2906	2.4300e-003	0.2931	0.0771	2.2400e-003	0.0793		287.9293	287.9293	9.0800e-003		288.1562
Total	0.1403	0.3069	1.1041	3.3900e-003	0.3034	3.4500e-003	0.3069	0.0808	3.2100e-003	0.0840		341.8191	341.8191	0.0127		342.1361

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

3.5 Parking / Foundation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3316	4.5097	15.5960	0.0216		0.0332	0.0332		0.0332	0.0332	0.0000	2,025.1250	2,025.1250	0.5912		2,039.9051
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3316	4.5097	15.5960	0.0216		0.0332	0.0332		0.0332	0.0332	0.0000	2,025.1250	2,025.1250	0.5912		2,039.9051

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.4400e-003	0.2127	0.0615	5.0000e-004	0.0128	1.0200e-003	0.0138	3.6900e-003	9.7000e-004	4.6600e-003		53.8898	53.8898	3.6000e-003		53.9799
Worker	0.1329	0.0942	1.0426	2.8900e-003	0.2906	2.4300e-003	0.2931	0.0771	2.2400e-003	0.0793		287.9293	287.9293	9.0800e-003		288.1562
Total	0.1403	0.3069	1.1041	3.3900e-003	0.3034	3.4500e-003	0.3069	0.0808	3.2100e-003	0.0840		341.8191	341.8191	0.0127		342.1361

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

3.5 Parking / Foundation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5436	13.0956	15.3949	0.0216		0.7388	0.7388		0.6901	0.6901		2,025.6374	2,025.6374	0.5850		2,040.2619
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5436	13.0956	15.3949	0.0216		0.7388	0.7388		0.6901	0.6901		2,025.6374	2,025.6374	0.5850		2,040.2619

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.3800e-003	0.1938	0.0562	5.0000e-004	0.0128	4.1000e-004	0.0132	3.6900e-003	3.9000e-004	4.0800e-003		53.4691	53.4691	3.4500e-003		53.5554
Worker	0.1240	0.0848	0.9575	2.8000e-003	0.2906	2.3500e-003	0.2930	0.0771	2.1600e-003	0.0792		278.7853	278.7853	8.2000e-003		278.9904
Total	0.1304	0.2786	1.0136	3.3000e-003	0.3034	2.7600e-003	0.3062	0.0808	2.5500e-003	0.0833		332.2544	332.2544	0.0117		332.5458

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

3.5 Parking / Foundation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3316	4.5097	15.5960	0.0216		0.0332	0.0332		0.0332	0.0332	0.0000	2,025.6374	2,025.6374	0.5850		2,040.2619
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3316	4.5097	15.5960	0.0216		0.0332	0.0332		0.0332	0.0332	0.0000	2,025.6374	2,025.6374	0.5850		2,040.2619

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.3800e-003	0.1938	0.0562	5.0000e-004	0.0128	4.1000e-004	0.0132	3.6900e-003	3.9000e-004	4.0800e-003		53.4691	53.4691	3.4500e-003		53.5554
Worker	0.1240	0.0848	0.9575	2.8000e-003	0.2906	2.3500e-003	0.2930	0.0771	2.1600e-003	0.0792		278.7853	278.7853	8.2000e-003		278.9904
Total	0.1304	0.2786	1.0136	3.3000e-003	0.3034	2.7600e-003	0.3062	0.0808	2.5500e-003	0.0833		332.2544	332.2544	0.0117		332.5458

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

3.6 Superstructure / Framing - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2629	9.9315	11.2452	0.0157		0.5807	0.5807		0.5447	0.5447		1,453.4157	1,453.4157	0.3999		1,463.4135
Total	1.2629	9.9315	11.2452	0.0157		0.5807	0.5807		0.5447	0.5447		1,453.4157	1,453.4157	0.3999		1,463.4135

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1149	3.4880	1.0108	9.0100e-003	0.2305	7.3800e-003	0.2379	0.0664	7.0500e-003	0.0734		962.4439	962.4439	0.0621		963.9972
Worker	0.5913	0.4044	4.5664	0.0134	1.3860	0.0112	1.3972	0.3676	0.0103	0.3779		1,329.5914	1,329.5914	0.0391		1,330.5695
Total	0.7061	3.8924	5.5771	0.0224	1.6165	0.0186	1.6351	0.4339	0.0174	0.4513		2,292.0352	2,292.0352	0.1013		2,294.5667

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

3.6 Superstructure / Framing - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2371	3.2762	11.1405	0.0157		0.0235	0.0235		0.0235	0.0235	0.0000	1,453.4157	1,453.4157	0.3999		1,463.4135
Total	0.2371	3.2762	11.1405	0.0157		0.0235	0.0235		0.0235	0.0235	0.0000	1,453.4157	1,453.4157	0.3999		1,463.4135

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1149	3.4880	1.0108	9.0100e-003	0.2305	7.3800e-003	0.2379	0.0664	7.0500e-003	0.0734		962.4439	962.4439	0.0621		963.9972
Worker	0.5913	0.4044	4.5664	0.0134	1.3860	0.0112	1.3972	0.3676	0.0103	0.3779		1,329.5914	1,329.5914	0.0391		1,330.5695
Total	0.7061	3.8924	5.5771	0.0224	1.6165	0.0186	1.6351	0.4339	0.0174	0.4513		2,292.0352	2,292.0352	0.1013		2,294.5667

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

3.7 Common Areas / Shell / Roofing - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2629	9.9315	11.2452	0.0157		0.5807	0.5807		0.5447	0.5447		1,453.4157	1,453.4157	0.3999		1,463.4135
Total	1.2629	9.9315	11.2452	0.0157		0.5807	0.5807		0.5447	0.5447		1,453.4157	1,453.4157	0.3999		1,463.4135

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1149	3.4880	1.0108	9.0100e-003	0.2305	7.3800e-003	0.2379	0.0664	7.0500e-003	0.0734		962.4439	962.4439	0.0621		963.9972
Worker	0.5913	0.4044	4.5664	0.0134	1.3860	0.0112	1.3972	0.3676	0.0103	0.3779		1,329.5914	1,329.5914	0.0391		1,330.5695
Total	0.7061	3.8924	5.5771	0.0224	1.6165	0.0186	1.6351	0.4339	0.0174	0.4513		2,292.0352	2,292.0352	0.1013		2,294.5667

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

3.7 Common Areas / Shell / Roofing - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2371	3.2762	11.1405	0.0157		0.0235	0.0235		0.0235	0.0235	0.0000	1,453.4157	1,453.4157	0.3999		1,463.4135
Total	0.2371	3.2762	11.1405	0.0157		0.0235	0.0235		0.0235	0.0235	0.0000	1,453.4157	1,453.4157	0.3999		1,463.4135

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1149	3.4880	1.0108	9.0100e-003	0.2305	7.3800e-003	0.2379	0.0664	7.0500e-003	0.0734		962.4439	962.4439	0.0621		963.9972
Worker	0.5913	0.4044	4.5664	0.0134	1.3860	0.0112	1.3972	0.3676	0.0103	0.3779		1,329.5914	1,329.5914	0.0391		1,330.5695
Total	0.7061	3.8924	5.5771	0.0224	1.6165	0.0186	1.6351	0.4339	0.0174	0.4513		2,292.0352	2,292.0352	0.1013		2,294.5667

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

3.8 Exterior Finishes / Interiors / TI / Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5108	3.5626	4.2410	6.9300e-003		0.2196	0.2196		0.2196	0.2196		656.7121	656.7121	0.0451		657.8388
Total	21.9421	3.5626	4.2410	6.9300e-003		0.2196	0.2196		0.2196	0.2196		656.7121	656.7121	0.0451		657.8388

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.3800e-003	0.1938	0.0562	5.0000e-004	0.0128	4.1000e-004	0.0132	3.6900e-003	3.9000e-004	4.0800e-003		53.4691	53.4691	3.4500e-003		53.5554
Worker	0.1192	0.0815	0.9206	2.6900e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		268.0628	268.0628	7.8900e-003		268.2600
Total	0.1256	0.2753	0.9768	3.1900e-003	0.2922	2.6700e-003	0.2949	0.0778	2.4700e-003	0.0803		321.5319	321.5319	0.0113		321.8154

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

3.8 Exterior Finishes / Interiors / TI / Landscaping - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0693	0.3005	4.2756	6.9300e-003		9.2400e-003	9.2400e-003		9.2400e-003	9.2400e-003	0.0000	656.7121	656.7121	0.0451		657.8388
Total	21.5007	0.3005	4.2756	6.9300e-003		9.2400e-003	9.2400e-003		9.2400e-003	9.2400e-003	0.0000	656.7121	656.7121	0.0451		657.8388

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.3800e-003	0.1938	0.0562	5.0000e-004	0.0128	4.1000e-004	0.0132	3.6900e-003	3.9000e-004	4.0800e-003		53.4691	53.4691	3.4500e-003		53.5554
Worker	0.1192	0.0815	0.9206	2.6900e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		268.0628	268.0628	7.8900e-003		268.2600
Total	0.1256	0.2753	0.9768	3.1900e-003	0.2922	2.6700e-003	0.2949	0.0778	2.4700e-003	0.0803		321.5319	321.5319	0.0113		321.8154

4.0 Operational Detail - Mobile

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3593	11.0907	27.8169	0.0915	7.4617	0.0807	7.5424	1.9969	0.0754	2.0723		9,310.6023	9,310.6023	0.5277		9,323.7950
Unmitigated	2.3593	11.0907	27.8169	0.0915	7.4617	0.0807	7.5424	1.9969	0.0754	2.0723		9,310.6023	9,310.6023	0.5277		9,323.7950

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	380.80	366.10	335.30	1,271,864	1,271,864
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	718.96	720.68	523.74	1,649,601	1,649,601
Quality Restaurant	315.24	330.69	252.90	439,248	439,248
Strip Mall	9.11	9.11	9.11	17,329	17,329
Total	1,424.11	1,426.58	1,121.05	3,378,041	3,378,041

4.3 Trip Type Information

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Enclosed Parking with Elevator	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Hotel	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Quality Restaurant	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Strip Mall	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0907	0.8146	0.6167	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.9367	989.9367	0.0190	0.0182	995.8194
NaturalGas Unmitigated	0.0907	0.8146	0.6167	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.9367	989.9367	0.0190	0.0182	995.8194

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1767.63	0.0191	0.1629	0.0693	1.0400e-003		0.0132	0.0132		0.0132	0.0132		207.9567	207.9567	3.9900e-003	3.8100e-003	209.1925
Enclosed Parking with Elevator	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
Hotel	4266.01	0.0460	0.4182	0.3513	2.5100e-003		0.0318	0.0318		0.0318	0.0318		501.8834	501.8834	9.6200e-003	9.2000e-003	504.8659
Quality Restaurant	2374.62	0.0256	0.2328	0.1956	1.4000e-003		0.0177	0.0177		0.0177	0.0177		279.3665	279.3665	5.3500e-003	5.1200e-003	281.0266
Strip Mall	6.20504	7.0000e-005	6.1000e-004	5.1000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.7300	0.7300	1.0000e-005	1.0000e-005	0.7343
Total		0.0908	0.8146	0.6167	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.9367	989.9367	0.0190	0.0181	995.8194

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1.76763	0.0191	0.1629	0.0693	1.0400e-003		0.0132	0.0132		0.0132	0.0132		207.9567	207.9567	3.9900e-003	3.8100e-003	209.1925
Enclosed Parking with Elevator	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
Hotel	4.26601	0.0460	0.4182	0.3513	2.5100e-003		0.0318	0.0318		0.0318	0.0318		501.8834	501.8834	9.6200e-003	9.2000e-003	504.8659
Quality Restaurant	2.37462	0.0256	0.2328	0.1956	1.4000e-003		0.0177	0.0177		0.0177	0.0177		279.3665	279.3665	5.3500e-003	5.1200e-003	281.0266
Strip Mall	0.00620504	7.0000e-005	6.1000e-004	5.1000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.7300	0.7300	1.0000e-005	1.0000e-005	0.7343
Total		0.0908	0.8146	0.6167	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.9367	989.9367	0.0190	0.0181	995.8194

6.0 Area Detail

6.1 Mitigation Measures Area

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.1393	0.0671	5.8211	3.1000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	10.4700	10.4700	0.0103	0.0000	10.7267
Unmitigated	3.1393	0.0671	5.8211	3.1000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	10.4700	10.4700	0.0103	0.0000	10.7267

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1785	0.0671	5.8211	3.1000e-004		0.0320	0.0320		0.0320	0.0320		10.4700	10.4700	0.0103		10.7267
Total	3.1393	0.0671	5.8211	3.1000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	10.4700	10.4700	0.0103	0.0000	10.7267

The Bond Project - Proposed - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1785	0.0671	5.8211	3.1000e-004		0.0320	0.0320		0.0320	0.0320		10.4700	10.4700	0.0103		10.7267
Total	3.1393	0.0671	5.8211	3.1000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	10.4700	10.4700	0.0103	0.0000	10.7267

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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The Bond Project - Proposed - Los Angeles-South Coast County, Winter

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

The Bond Project - Proposed - Los Angeles-South Coast County, Summer

The Bond Project - Proposed
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	235.00	Space	0.28	105,638.00	0
Hotel	86.00	Room	0.38	64,933.00	0
Quality Restaurant	3.76	1000sqft	0.01	3,756.00	0
Apartments Mid Rise	70.00	Dwelling Unit	0.24	62,750.00	200
Strip Mall	1.38	1000sqft	0.01	1,381.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	628.13	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Section 1.0 Project Characteristics. Operational year 2021 consistent with TIS. CO2 Intensity factor adjusted for 2017 SCE Power Content Label assuming 29% renewables (628.13 lb/MWh).

Land Use - See 1.1 Land Usage. Lot acreage scaled to total 0.92 acres. Strip Mall represents Art Gallery.

Construction Phase - See 3.0 Construction Detail. Based on applicant-provided schedule assumptions.

Off-road Equipment - Common Areas / Shell / Roofing: Applicant provided information.

Off-road Equipment - Exterior Finishes / Interiors / TI / Landscaping: Applicant provided information

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Off-road Equipment - Grading / Site Preparation: Applicant provided information.

Off-road Equipment - Parking / Foundation: Applicant provided information.

Off-road Equipment - Phase 1 Demolition / Shoring & Sound Wall: Applicant provided information.

Off-road Equipment - Phase 2 Demolition / Disassembly: Applicant provided information.

Off-road Equipment - Superstructure / Framing: Applicant provided information.

Trips and VMT - Applicant provided information and default CalEEMod values. All trips rounded to an even number. All demolition debris exported during Phase 2. Haul truck one-way trip length of 29 miles.

On-road Fugitive Dust - Default CalEEMod values.

Demolition - Phase 1 Demolition: 2,996 tons of debris. Phase 2 Demolition: 5,104 tons of debris.

Grading - Applicant provided information. 55,375 CY of export.

Architectural Coating - Default CalEEMod values.

Vehicle Trips - Project-specific weekday trip rates (KOA). Saturday and Sunday trip rates adjusted based on weekday trip rates and CalEEMod default trip rates except for the Art Gallery (Strip Mall).

Vehicle Emission Factors - Default CalEEMod emission factors for 2021.

Vehicle Emission Factors - Default CalEEMod emission factors for 2021.

Vehicle Emission Factors - Default CalEEMod emission factors for 2021.

Road Dust - Default CalEEMod values.

Woodstoves - No woodstoves. No fireplaces.

Consumer Products - Default CalEEMod values.

Area Coating - Default CalEEMod values.

Landscape Equipment - Default CalEEMod values.

Energy Use - Default CalEEMod values.

Water And Wastewater - Default CalEEMod values for indoor and outdoor use. Assumed 100% aerobic.

Solid Waste - Default CalEEMod values.

Sequestration -

Construction Off-road Equipment Mitigation - Off-Road Equipment: Tier 4 Final. Water Exposed Area, Frequency: 2 times per day.

Mobile Land Use Mitigation - No mitigation applied.

Mobile Commute Mitigation - No mitigation applied.

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Area Mitigation - No mitigation applied.

Energy Mitigation - No mitigation applied.

Water Mitigation - No mitigation applied.

Waste Mitigation - Percent Reduction in Waste Disposed: 50%. Waste diversion consistent with Assembly Bill 939.

Operational Off-Road Equipment - No off-road equipment.

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources.

Stationary Sources - User Defined - No stationary sources.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
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	5.00	50.00
tblConstructionPhase	NumDays	10.00	15.00

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tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	5.00	80.00
tblConstructionPhase	NumDays	1.00	85.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	59.50	0.00
tblFireplaces	NumberNoFireplace	7.00	70.00
tblFireplaces	NumberWood	3.50	0.00
tblGrading	AcresOfGrading	42.50	0.92
tblGrading	MaterialExported	0.00	55,375.00
tblLandUse	LandUseSquareFeet	94,000.00	105,638.00
tblLandUse	LandUseSquareFeet	124,872.00	64,933.00
tblLandUse	LandUseSquareFeet	3,760.00	3,756.00
tblLandUse	LandUseSquareFeet	70,000.00	62,750.00
tblLandUse	LandUseSquareFeet	1,380.00	1,381.00
tblLandUse	LotAcreage	2.11	0.28
tblLandUse	LotAcreage	2.87	0.38
tblLandUse	LotAcreage	0.09	0.01
tblLandUse	LotAcreage	1.84	0.24
tblLandUse	LotAcreage	0.03	0.01
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	4.00	0.00
tblOffRoadEquipment	UsageHours	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	628.13
tblTripsAndVMT	HaulingTripLength	20.00	29.00
tblTripsAndVMT	HaulingTripLength	20.00	29.00
tblTripsAndVMT	HaulingTripLength	20.00	29.00
tblTripsAndVMT	HaulingTripNumber	296.00	0.00
tblTripsAndVMT	HaulingTripNumber	505.00	802.00

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tblTripsAndVMT	HaulingTripNumber	6,922.00	7,384.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	4.00
tblTripsAndVMT	WorkerTripNumber	3.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	8.19	8.38
tblVehicleTrips	ST_TR	94.36	87.95
tblVehicleTrips	ST_TR	42.04	6.60
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	5.95	6.09
tblVehicleTrips	SU_TR	72.16	67.26
tblVehicleTrips	SU_TR	20.43	6.60
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	8.17	8.36
tblVehicleTrips	WD_TR	89.95	83.84
tblVehicleTrips	WD_TR	44.32	6.60
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00

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tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	3.50	0.00
tblWoodstoves	NumberNoncatalytic	3.50	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.1393	0.0671	5.8211	3.1000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	10.4700	10.4700	0.0103	0.0000	10.7267
Energy	0.0907	0.8146	0.6167	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.9367	989.9367	0.0190	0.0182	995.8194
Mobile	2.4293	10.8779	28.8976	0.0963	7.4617	0.0802	7.5419	1.9969	0.0749	2.0718		9,793.3505	9,793.3505	0.5262		9,806.5064
Total	5.6594	11.7596	35.3353	0.1016	7.4617	0.1749	7.6366	1.9969	0.1696	2.1665	0.0000	10,793.7572	10,793.7572	0.5555	0.0182	10,813.0525

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.1393	0.0671	5.8211	3.1000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	10.4700	10.4700	0.0103	0.0000	10.7267
Energy	0.0907	0.8146	0.6167	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.9367	989.9367	0.0190	0.0182	995.8194
Mobile	2.4293	10.8779	28.8976	0.0963	7.4617	0.0802	7.5419	1.9969	0.0749	2.0718		9,793.3505	9,793.3505	0.5262		9,806.5064
Total	5.6594	11.7596	35.3353	0.1016	7.4617	0.1749	7.6366	1.9969	0.1696	2.1665	0.0000	10,793.7572	10,793.7572	0.5555	0.0182	10,813.0525

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

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase 1 Demolition / Shoring & Sound Wall	Demolition	4/6/2020	4/24/2020	5	15	
2	Phase 2 Demolition / Disassembly	Demolition	4/27/2020	5/22/2020	5	20	
3	Grading / Site Preparation	Site Preparation	5/25/2020	9/18/2020	5	85	
4	Parking / Foundation	Paving	9/21/2020	1/8/2021	5	80	
5	Superstructure / Framing	Building Construction	1/11/2021	5/28/2021	5	100	
6	Common Areas / Shell / Roofing	Building Construction	5/31/2021	10/15/2021	5	100	
7	Exterior Finishes / Interiors / TI / Landscaping	Architectural Coating	10/18/2021	12/24/2021	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.28

Residential Indoor: 127,069; Residential Outdoor: 42,356; Non-Residential Indoor: 105,105; Non-Residential Outdoor: 35,035; Striped Parking Area: 6,338 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase 1 Demolition / Shoring & Sound Wall	Air Compressors	0	0.00	78	0.48
Phase 1 Demolition / Shoring & Sound Wall	Bore/Drill Rigs	0	0.00	221	0.50

The Bond Project - Proposed - Los Angeles-South Coast County, Summer

Phase 1 Demolition / Shoring & Sound Wall	Concrete/Industrial Saws	0	8.00	81	0.73
Phase 1 Demolition / Shoring & Sound Wall	Excavators	1	7.00	158	0.38
Phase 1 Demolition / Shoring & Sound Wall	Excavators	0	0.00	158	0.38
Phase 1 Demolition / Shoring & Sound Wall	Rubber Tired Dozers	0	1.00	247	0.40
Phase 1 Demolition / Shoring & Sound Wall	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Phase 2 Demolition / Disassembly	Concrete/Industrial Saws	0	0.00	81	0.73
Phase 2 Demolition / Disassembly	Excavators	0	0.00	158	0.38
Phase 2 Demolition / Disassembly	Rubber Tired Dozers	0	0.00	247	0.40
Phase 2 Demolition / Disassembly	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading / Site Preparation	Bore/Drill Rigs	1	7.00	221	0.50
Grading / Site Preparation	Excavators	2	7.00	158	0.38
Grading / Site Preparation	Forklifts	1	7.00	89	0.20
Grading / Site Preparation	Graders	1	8.00	187	0.41
Grading / Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Grading / Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Parking / Foundation	Cement and Mortar Mixers	0	0.00	9	0.56
Parking / Foundation	Forklifts	2	7.00	89	0.20
Parking / Foundation	Pavers	0	0.00	130	0.42
Parking / Foundation	Paving Equipment	0	0.00	132	0.36
Parking / Foundation	Rollers	0	0.00	80	0.38
Parking / Foundation	Skid Steer Loaders	2	7.00	65	0.37
Parking / Foundation	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Parking / Foundation	Welders	2	7.00	46	0.45
Superstructure / Framing	Cranes	0	0.00	231	0.29
Superstructure / Framing	Forklifts	3	7.00	89	0.20
Superstructure / Framing	Generator Sets	0	0.00	84	0.74

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Superstructure / Framing	Skid Steer Loaders	1	7.00	65	0.37
Superstructure / Framing	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Superstructure / Framing	Welders	2	7.00	46	0.45
Common Areas / Shell / Roofing	Cranes	0	0.00	231	0.29
Common Areas / Shell / Roofing	Forklifts	3	7.00	89	0.20
Common Areas / Shell / Roofing	Generator Sets	0	0.00	84	0.74
Common Areas / Shell / Roofing	Skid Steer Loaders	1	7.00	65	0.37
Common Areas / Shell / Roofing	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Common Areas / Shell / Roofing	Welders	2	7.00	46	0.45
Exterior Finishes / Interiors / TI / Landscaping	Air Compressors	2	7.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Phase 1 Demolition / Shoring & Sound Wall	1	4.00	0.00	0.00	14.70	6.90	29.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Demolition / Disassembly	1	4.00	0.00	802.00	14.70	6.90	29.00	LD_Mix	HDT_Mix	HHDT
Grading / Site Preparation	6	16.00	0.00	7,384.00	14.70	6.90	29.00	LD_Mix	HDT_Mix	HHDT
Parking / Foundation	10	26.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Superstructure / Framing	8	124.00	36.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Common Areas / Shell / Roofing	8	124.00	36.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Exterior Finishes / Interiors / TI / Landscaping	2	25.00	2.00	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

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3.2 Phase 1 Demolition / Shoring & Sound Wall - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.2741	0.0000	4.2741	0.6471	0.0000	0.6471			0.0000			0.0000
Off-Road	0.2144	2.1111	2.8593	4.5200e-003		0.1023	0.1023		0.0941	0.0941		437.6036	437.6036	0.1415		441.1419
Total	0.2144	2.1111	2.8593	4.5200e-003	4.2741	0.1023	4.3764	0.6471	0.0941	0.7412		437.6036	437.6036	0.1415		441.1419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0184	0.0131	0.1751	4.7000e-004	0.0447	3.7000e-004	0.0451	0.0119	3.4000e-004	0.0122		47.0445	47.0445	1.4800e-003		47.0816
Total	0.0184	0.0131	0.1751	4.7000e-004	0.0447	3.7000e-004	0.0451	0.0119	3.4000e-004	0.0122		47.0445	47.0445	1.4800e-003		47.0816

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3.2 Phase 1 Demolition / Shoring & Sound Wall - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9233	0.0000	1.9233	0.2912	0.0000	0.2912			0.0000			0.0000
Off-Road	0.0556	0.2409	3.4283	4.5200e-003		7.4100e-003	7.4100e-003		7.4100e-003	7.4100e-003	0.0000	437.6036	437.6036	0.1415		441.1419
Total	0.0556	0.2409	3.4283	4.5200e-003	1.9233	7.4100e-003	1.9308	0.2912	7.4100e-003	0.2986	0.0000	437.6036	437.6036	0.1415		441.1419

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0184	0.0131	0.1751	4.7000e-004	0.0447	3.7000e-004	0.0451	0.0119	3.4000e-004	0.0122		47.0445	47.0445	1.4800e-003		47.0816
Total	0.0184	0.0131	0.1751	4.7000e-004	0.0447	3.7000e-004	0.0451	0.0119	3.4000e-004	0.0122		47.0445	47.0445	1.4800e-003		47.0816

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3.3 Phase 2 Demolition / Disassembly - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.4610	0.0000	5.4610	0.8269	0.0000	0.8269			0.0000			0.0000
Off-Road	0.1833	1.8420	1.9947	2.7200e-003		0.1165	0.1165		0.1072	0.1072		263.1724	263.1724	0.0851		265.3003
Total	0.1833	1.8420	1.9947	2.7200e-003	5.4610	0.1165	5.5775	0.8269	0.1072	0.9340		263.1724	263.1724	0.0851		265.3003

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4774	14.9834	3.4882	0.0440	1.0163	0.0526	1.0689	0.2785	0.0503	0.3289		4,768.1753	4,768.1753	0.3091		4,775.9018
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0184	0.0131	0.1751	4.7000e-004	0.0447	3.7000e-004	0.0451	0.0119	3.4000e-004	0.0122		47.0445	47.0445	1.4800e-003		47.0816
Total	0.4958	14.9965	3.6633	0.0445	1.0610	0.0530	1.1139	0.2904	0.0507	0.3411		4,815.2198	4,815.2198	0.3105		4,822.9834

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3.3 Phase 2 Demolition / Disassembly - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4575	0.0000	2.4575	0.3721	0.0000	0.3721			0.0000			0.0000
Off-Road	0.0332	0.1440	2.0493	2.7200e-003		4.4300e-003	4.4300e-003		4.4300e-003	4.4300e-003	0.0000	263.1724	263.1724	0.0851		265.3003
Total	0.0332	0.1440	2.0493	2.7200e-003	2.4575	4.4300e-003	2.4619	0.3721	4.4300e-003	0.3765	0.0000	263.1724	263.1724	0.0851		265.3003

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4774	14.9834	3.4882	0.0440	1.0163	0.0526	1.0689	0.2785	0.0503	0.3289		4,768.1753	4,768.1753	0.3091		4,775.9018
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0184	0.0131	0.1751	4.7000e-004	0.0447	3.7000e-004	0.0451	0.0119	3.4000e-004	0.0122		47.0445	47.0445	1.4800e-003		47.0816
Total	0.4958	14.9965	3.6633	0.0445	1.0610	0.0530	1.1139	0.2904	0.0507	0.3411		4,815.2198	4,815.2198	0.3105		4,822.9834

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3.4 Grading / Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0852	0.0000	0.0852	0.0124	0.0000	0.0124			0.0000			0.0000
Off-Road	1.4567	16.6070	12.3813	0.0280		0.6966	0.6966		0.6409	0.6409		2,706.7064	2,706.7064	0.8754		2,728.5914
Total	1.4567	16.6070	12.3813	0.0280	0.0852	0.6966	0.7818	0.0124	0.6409	0.6533		2,706.7064	2,706.7064	0.8754		2,728.5914

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0343	32.4592	7.5566	0.0953	2.2016	0.1140	2.3155	0.6034	0.1090	0.7124		10,329.5311	10,329.5311	0.6695		10,346.2692
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0736	0.0524	0.7006	1.8900e-003	0.1788	1.4900e-003	0.1803	0.0474	1.3800e-003	0.0488		188.1781	188.1781	5.9300e-003		188.3264
Total	1.1079	32.5116	8.2572	0.0972	2.3804	0.1154	2.4959	0.6508	0.1104	0.7612		10,517.7091	10,517.7091	0.6755		10,534.5956

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3.4 Grading / Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0383	0.0000	0.0383	5.5800e-003	0.0000	5.5800e-003			0.0000			0.0000
Off-Road	0.3444	1.4922	16.6487	0.0280		0.0459	0.0459		0.0459	0.0459	0.0000	2,706.7063	2,706.7063	0.8754		2,728.5914
Total	0.3444	1.4922	16.6487	0.0280	0.0383	0.0459	0.0842	5.5800e-003	0.0459	0.0515	0.0000	2,706.7063	2,706.7063	0.8754		2,728.5914

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0343	32.4592	7.5566	0.0953	2.2016	0.1140	2.3155	0.6034	0.1090	0.7124		10,329.5311	10,329.5311	0.6695		10,346.2692
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0736	0.0524	0.7006	1.8900e-003	0.1788	1.4900e-003	0.1803	0.0474	1.3800e-003	0.0488		188.1781	188.1781	5.9300e-003		188.3264
Total	1.1079	32.5116	8.2572	0.0972	2.3804	0.1154	2.4959	0.6508	0.1104	0.7612		10,517.7091	10,517.7091	0.6755		10,534.5956

The Bond Project - Proposed - Los Angeles-South Coast County, Summer

3.5 Parking / Foundation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7238	14.2476	15.5693	0.0216		0.8676	0.8676		0.8104	0.8104		2,025.1250	2,025.1250	0.5912		2,039.9052
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7238	14.2476	15.5693	0.0216		0.8676	0.8676		0.8104	0.8104		2,025.1250	2,025.1250	0.5912		2,039.9052

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.1100e-003	0.2127	0.0557	5.2000e-004	0.0128	1.0000e-003	0.0138	3.6900e-003	9.6000e-004	4.6400e-003		55.4049	55.4049	3.3800e-003		55.4895
Worker	0.1197	0.0851	1.1384	3.0700e-003	0.2906	2.4300e-003	0.2931	0.0771	2.2400e-003	0.0793		305.7894	305.7894	9.6400e-003		306.0304
Total	0.1268	0.2979	1.1941	3.5900e-003	0.3034	3.4300e-003	0.3069	0.0808	3.2000e-003	0.0840		361.1943	361.1943	0.0130		361.5198

The Bond Project - Proposed - Los Angeles-South Coast County, Summer

3.5 Parking / Foundation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3316	4.5097	15.5960	0.0216		0.0332	0.0332		0.0332	0.0332	0.0000	2,025.1250	2,025.1250	0.5912		2,039.9051
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3316	4.5097	15.5960	0.0216		0.0332	0.0332		0.0332	0.0332	0.0000	2,025.1250	2,025.1250	0.5912		2,039.9051

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.1100e-003	0.2127	0.0557	5.2000e-004	0.0128	1.0000e-003	0.0138	3.6900e-003	9.6000e-004	4.6400e-003		55.4049	55.4049	3.3800e-003		55.4895
Worker	0.1197	0.0851	1.1384	3.0700e-003	0.2906	2.4300e-003	0.2931	0.0771	2.2400e-003	0.0793		305.7894	305.7894	9.6400e-003		306.0304
Total	0.1268	0.2979	1.1941	3.5900e-003	0.3034	3.4300e-003	0.3069	0.0808	3.2000e-003	0.0840		361.1943	361.1943	0.0130		361.5198

The Bond Project - Proposed - Los Angeles-South Coast County, Summer

3.5 Parking / Foundation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5436	13.0956	15.3949	0.0216		0.7388	0.7388		0.6901	0.6901		2,025.6374	2,025.6374	0.5850		2,040.2619
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5436	13.0956	15.3949	0.0216		0.7388	0.7388		0.6901	0.6901		2,025.6374	2,025.6374	0.5850		2,040.2619

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.0800e-003	0.1942	0.0508	5.1000e-004	0.0128	4.0000e-004	0.0132	3.6900e-003	3.8000e-004	4.0700e-003		54.9761	54.9761	3.2400e-003		55.0571
Worker	0.1115	0.0766	1.0472	2.9700e-003	0.2906	2.3500e-003	0.2930	0.0771	2.1600e-003	0.0792		296.0802	296.0802	8.7200e-003		296.2983
Total	0.1175	0.2708	1.0980	3.4800e-003	0.3034	2.7500e-003	0.3062	0.0808	2.5400e-003	0.0833		351.0563	351.0563	0.0120		351.3554

The Bond Project - Proposed - Los Angeles-South Coast County, Summer

3.5 Parking / Foundation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3316	4.5097	15.5960	0.0216		0.0332	0.0332		0.0332	0.0332	0.0000	2,025.6374	2,025.6374	0.5850		2,040.2619
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3316	4.5097	15.5960	0.0216		0.0332	0.0332		0.0332	0.0332	0.0000	2,025.6374	2,025.6374	0.5850		2,040.2619

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.0800e-003	0.1942	0.0508	5.1000e-004	0.0128	4.0000e-004	0.0132	3.6900e-003	3.8000e-004	4.0700e-003		54.9761	54.9761	3.2400e-003		55.0571
Worker	0.1115	0.0766	1.0472	2.9700e-003	0.2906	2.3500e-003	0.2930	0.0771	2.1600e-003	0.0792		296.0802	296.0802	8.7200e-003		296.2983
Total	0.1175	0.2708	1.0980	3.4800e-003	0.3034	2.7500e-003	0.3062	0.0808	2.5400e-003	0.0833		351.0563	351.0563	0.0120		351.3554

The Bond Project - Proposed - Los Angeles-South Coast County, Summer

3.6 Superstructure / Framing - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2629	9.9315	11.2452	0.0157		0.5807	0.5807		0.5447	0.5447		1,453.4157	1,453.4157	0.3999		1,463.4135
Total	1.2629	9.9315	11.2452	0.0157		0.5807	0.5807		0.5447	0.5447		1,453.4157	1,453.4157	0.3999		1,463.4135

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1094	3.4952	0.9137	9.2600e-003	0.2305	7.1500e-003	0.2376	0.0664	6.8400e-003	0.0732		989.5703	989.5703	0.0583		991.0277
Worker	0.5315	0.3654	4.9944	0.0142	1.3860	0.0112	1.3972	0.3676	0.0103	0.3779		1,412.0746	1,412.0746	0.0416		1,413.1148
Total	0.6410	3.8606	5.9081	0.0234	1.6165	0.0184	1.6349	0.4339	0.0172	0.4511		2,401.6449	2,401.6449	0.0999		2,404.1425

The Bond Project - Proposed - Los Angeles-South Coast County, Summer

3.6 Superstructure / Framing - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2371	3.2762	11.1405	0.0157		0.0235	0.0235		0.0235	0.0235	0.0000	1,453.4157	1,453.4157	0.3999		1,463.4135
Total	0.2371	3.2762	11.1405	0.0157		0.0235	0.0235		0.0235	0.0235	0.0000	1,453.4157	1,453.4157	0.3999		1,463.4135

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1094	3.4952	0.9137	9.2600e-003	0.2305	7.1500e-003	0.2376	0.0664	6.8400e-003	0.0732		989.5703	989.5703	0.0583		991.0277
Worker	0.5315	0.3654	4.9944	0.0142	1.3860	0.0112	1.3972	0.3676	0.0103	0.3779		1,412.0746	1,412.0746	0.0416		1,413.1148
Total	0.6410	3.8606	5.9081	0.0234	1.6165	0.0184	1.6349	0.4339	0.0172	0.4511		2,401.6449	2,401.6449	0.0999		2,404.1425

The Bond Project - Proposed - Los Angeles-South Coast County, Summer

3.7 Common Areas / Shell / Roofing - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2629	9.9315	11.2452	0.0157		0.5807	0.5807		0.5447	0.5447		1,453.4157	1,453.4157	0.3999		1,463.4135
Total	1.2629	9.9315	11.2452	0.0157		0.5807	0.5807		0.5447	0.5447		1,453.4157	1,453.4157	0.3999		1,463.4135

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1094	3.4952	0.9137	9.2600e-003	0.2305	7.1500e-003	0.2376	0.0664	6.8400e-003	0.0732		989.5703	989.5703	0.0583		991.0277
Worker	0.5315	0.3654	4.9944	0.0142	1.3860	0.0112	1.3972	0.3676	0.0103	0.3779		1,412.0746	1,412.0746	0.0416		1,413.1148
Total	0.6410	3.8606	5.9081	0.0234	1.6165	0.0184	1.6349	0.4339	0.0172	0.4511		2,401.6449	2,401.6449	0.0999		2,404.1425

The Bond Project - Proposed - Los Angeles-South Coast County, Summer

3.7 Common Areas / Shell / Roofing - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2371	3.2762	11.1405	0.0157		0.0235	0.0235		0.0235	0.0235	0.0000	1,453.4157	1,453.4157	0.3999		1,463.4135
Total	0.2371	3.2762	11.1405	0.0157		0.0235	0.0235		0.0235	0.0235	0.0000	1,453.4157	1,453.4157	0.3999		1,463.4135

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1094	3.4952	0.9137	9.2600e-003	0.2305	7.1500e-003	0.2376	0.0664	6.8400e-003	0.0732		989.5703	989.5703	0.0583		991.0277
Worker	0.5315	0.3654	4.9944	0.0142	1.3860	0.0112	1.3972	0.3676	0.0103	0.3779		1,412.0746	1,412.0746	0.0416		1,413.1148
Total	0.6410	3.8606	5.9081	0.0234	1.6165	0.0184	1.6349	0.4339	0.0172	0.4511		2,401.6449	2,401.6449	0.0999		2,404.1425

The Bond Project - Proposed - Los Angeles-South Coast County, Summer

3.8 Exterior Finishes / Interiors / TI / Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5108	3.5626	4.2410	6.9300e-003		0.2196	0.2196		0.2196	0.2196		656.7121	656.7121	0.0451		657.8388
Total	21.9421	3.5626	4.2410	6.9300e-003		0.2196	0.2196		0.2196	0.2196		656.7121	656.7121	0.0451		657.8388

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.0800e-003	0.1942	0.0508	5.1000e-004	0.0128	4.0000e-004	0.0132	3.6900e-003	3.8000e-004	4.0700e-003		54.9761	54.9761	3.2400e-003		55.0571
Worker	0.1072	0.0737	1.0069	2.8600e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		284.6925	284.6925	8.3900e-003		284.9022
Total	0.1132	0.2678	1.0577	3.3700e-003	0.2922	2.6600e-003	0.2949	0.0778	2.4600e-003	0.0803		339.6686	339.6686	0.0116		339.9593

The Bond Project - Proposed - Los Angeles-South Coast County, Summer

3.8 Exterior Finishes / Interiors / TI / Landscaping - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.4314					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0693	0.3005	4.2756	6.9300e-003		9.2400e-003	9.2400e-003		9.2400e-003	9.2400e-003	0.0000	656.7121	656.7121	0.0451		657.8388
Total	21.5007	0.3005	4.2756	6.9300e-003		9.2400e-003	9.2400e-003		9.2400e-003	9.2400e-003	0.0000	656.7121	656.7121	0.0451		657.8388

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.0800e-003	0.1942	0.0508	5.1000e-004	0.0128	4.0000e-004	0.0132	3.6900e-003	3.8000e-004	4.0700e-003		54.9761	54.9761	3.2400e-003		55.0571
Worker	0.1072	0.0737	1.0069	2.8600e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		284.6925	284.6925	8.3900e-003		284.9022
Total	0.1132	0.2678	1.0577	3.3700e-003	0.2922	2.6600e-003	0.2949	0.0778	2.4600e-003	0.0803		339.6686	339.6686	0.0116		339.9593

4.0 Operational Detail - Mobile

The Bond Project - Proposed - Los Angeles-South Coast County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4293	10.8779	28.8976	0.0963	7.4617	0.0802	7.5419	1.9969	0.0749	2.0718		9,793.3505	9,793.3505	0.5262		9,806.5064
Unmitigated	2.4293	10.8779	28.8976	0.0963	7.4617	0.0802	7.5419	1.9969	0.0749	2.0718		9,793.3505	9,793.3505	0.5262		9,806.5064

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	380.80	366.10	335.30	1,271,864	1,271,864
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	718.96	720.68	523.74	1,649,601	1,649,601
Quality Restaurant	315.24	330.69	252.90	439,248	439,248
Strip Mall	9.11	9.11	9.11	17,329	17,329
Total	1,424.11	1,426.58	1,121.05	3,378,041	3,378,041

4.3 Trip Type Information

The Bond Project - Proposed - Los Angeles-South Coast County, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Enclosed Parking with Elevator	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Hotel	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Quality Restaurant	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Strip Mall	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

The Bond Project - Proposed - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0907	0.8146	0.6167	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.9367	989.9367	0.0190	0.0182	995.8194
NaturalGas Unmitigated	0.0907	0.8146	0.6167	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.9367	989.9367	0.0190	0.0182	995.8194

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1767.63	0.0191	0.1629	0.0693	1.0400e-003		0.0132	0.0132		0.0132	0.0132		207.9567	207.9567	3.9900e-003	3.8100e-003	209.1925
Enclosed Parking with Elevator	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
Hotel	4266.01	0.0460	0.4182	0.3513	2.5100e-003		0.0318	0.0318		0.0318	0.0318		501.8834	501.8834	9.6200e-003	9.2000e-003	504.8659
Quality Restaurant	2374.62	0.0256	0.2328	0.1956	1.4000e-003		0.0177	0.0177		0.0177	0.0177		279.3665	279.3665	5.3500e-003	5.1200e-003	281.0266
Strip Mall	6.20504	7.0000e-005	6.1000e-004	5.1000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.7300	0.7300	1.0000e-005	1.0000e-005	0.7343
Total		0.0908	0.8146	0.6167	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.9367	989.9367	0.0190	0.0181	995.8194

The Bond Project - Proposed - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1.76763	0.0191	0.1629	0.0693	1.0400e-003		0.0132	0.0132		0.0132	0.0132		207.9567	207.9567	3.9900e-003	3.8100e-003	209.1925
Enclosed Parking with Elevator	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
Hotel	4.26601	0.0460	0.4182	0.3513	2.5100e-003		0.0318	0.0318		0.0318	0.0318		501.8834	501.8834	9.6200e-003	9.2000e-003	504.8659
Quality Restaurant	2.37462	0.0256	0.2328	0.1956	1.4000e-003		0.0177	0.0177		0.0177	0.0177		279.3665	279.3665	5.3500e-003	5.1200e-003	281.0266
Strip Mall	0.00620504	7.0000e-005	6.1000e-004	5.1000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.7300	0.7300	1.0000e-005	1.0000e-005	0.7343
Total		0.0908	0.8146	0.6167	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.9367	989.9367	0.0190	0.0181	995.8194

6.0 Area Detail

6.1 Mitigation Measures Area

The Bond Project - Proposed - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.1393	0.0671	5.8211	3.1000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	10.4700	10.4700	0.0103	0.0000	10.7267
Unmitigated	3.1393	0.0671	5.8211	3.1000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	10.4700	10.4700	0.0103	0.0000	10.7267

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1785	0.0671	5.8211	3.1000e-004		0.0320	0.0320		0.0320	0.0320		10.4700	10.4700	0.0103		10.7267
Total	3.1393	0.0671	5.8211	3.1000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	10.4700	10.4700	0.0103	0.0000	10.7267

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1785	0.0671	5.8211	3.1000e-004		0.0320	0.0320		0.0320	0.0320		10.4700	10.4700	0.0103		10.7267
Total	3.1393	0.0671	5.8211	3.1000e-004		0.0320	0.0320		0.0320	0.0320	0.0000	10.4700	10.4700	0.0103	0.0000	10.7267

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	235.00	Space	0.28	105,638.00	0
Hotel	86.00	Room	0.38	64,933.00	0
Quality Restaurant	3.76	1000sqft	0.01	3,756.00	0
Apartments Mid Rise	70.00	Dwelling Unit	0.24	62,750.00	200
Strip Mall	1.38	1000sqft	0.01	1,381.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	628.13	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Section 1.0 Project Characteristics. Operational year 2021 consistent with TIS. CO2 Intensity factor adjusted for 2017 SCE Power Content Label assuming 29% renewables (628.13 lb/MWh).

Land Use - See 1.1 Land Usage. Lot acreage scaled to total 0.92 acres. Strip Mall represents Art Gallery.

Construction Phase - See 3.0 Construction Detail. Based on applicant-provided schedule assumptions.

Off-road Equipment - Common Areas / Shell / Roofing: Applicant provided information.

Off-road Equipment - Exterior Finishes / Interiors / TI / Landscaping: Applicant provided information

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Off-road Equipment - Grading / Site Preparation: Applicant provided information.

Off-road Equipment - Parking / Foundation: Applicant provided information.

Off-road Equipment - Phase 1 Demolition / Shoring & Sound Wall: Applicant provided information.

Off-road Equipment - Phase 2 Demolition / Disassembly: Applicant provided information.

Off-road Equipment - Superstructure / Framing: Applicant provided information.

Trips and VMT - Applicant provided information and default CalEEMod values. All trips rounded to an even number. All demolition debris exported during Phase 2. Haul truck one-way trip length of 29 miles.

On-road Fugitive Dust - Default CalEEMod values.

Demolition - Phase 1 Demolition: 2,996 tons of debris. Phase 2 Demolition: 5,104 tons of debris.

Grading - Applicant provided information. 55,375 CY of export.

Architectural Coating - Default CalEEMod values.

Vehicle Trips - Project-specific weekday trip rates (KOA). Saturday and Sunday trip rates adjusted based on weekday trip rates and CalEEMod default trip rates except for the Art Gallery (Strip Mall).

Vehicle Emission Factors - Default CalEEMod emission factors for 2021.

Vehicle Emission Factors - Default CalEEMod emission factors for 2021.

Vehicle Emission Factors - Default CalEEMod emission factors for 2021.

Road Dust - Default CalEEMod values.

Woodstoves - No woodstoves. No fireplaces.

Consumer Products - Default CalEEMod values.

Area Coating - Default CalEEMod values.

Landscape Equipment - Default CalEEMod values.

Energy Use - Default CalEEMod values.

Water And Wastewater - Default CalEEMod values for indoor and outdoor use. Assumed 100% aerobic.

Solid Waste - Default CalEEMod values.

Sequestration -

Construction Off-road Equipment Mitigation - Off-Road Equipment: Tier 4 Final. Water Exposed Area, Frequency: 2 times per day.

Mobile Land Use Mitigation - No mitigation applied.

Mobile Commute Mitigation - No mitigation applied.

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Area Mitigation - No mitigation applied.

Energy Mitigation - No mitigation applied.

Water Mitigation - No mitigation applied.

Waste Mitigation - Percent Reduction in Waste Disposed: 50%. Waste diversion consistent with Assembly Bill 939.

Operational Off-Road Equipment - No off-road equipment.

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps - No stationary sources.

Stationary Sources - User Defined - No stationary sources.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
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	5.00	50.00
tblConstructionPhase	NumDays	10.00	15.00

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tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	5.00	80.00
tblConstructionPhase	NumDays	1.00	85.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	59.50	0.00
tblFireplaces	NumberNoFireplace	7.00	70.00
tblFireplaces	NumberWood	3.50	0.00
tblGrading	AcresOfGrading	42.50	0.92
tblGrading	MaterialExported	0.00	55,375.00
tblLandUse	LandUseSquareFeet	94,000.00	105,638.00
tblLandUse	LandUseSquareFeet	124,872.00	64,933.00
tblLandUse	LandUseSquareFeet	3,760.00	3,756.00
tblLandUse	LandUseSquareFeet	70,000.00	62,750.00
tblLandUse	LandUseSquareFeet	1,380.00	1,381.00
tblLandUse	LotAcreage	2.11	0.28
tblLandUse	LotAcreage	2.87	0.38
tblLandUse	LotAcreage	0.09	0.01
tblLandUse	LotAcreage	1.84	0.24
tblLandUse	LotAcreage	0.03	0.01
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	UsageHours	6.00	7.00
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tblOffRoadEquipment	UsageHours	4.00	0.00
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tblOffRoadEquipment	UsageHours	6.00	7.00
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tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	628.13
tblTripsAndVMT	HaulingTripLength	20.00	29.00
tblTripsAndVMT	HaulingTripLength	20.00	29.00
tblTripsAndVMT	HaulingTripLength	20.00	29.00
tblTripsAndVMT	HaulingTripNumber	296.00	0.00
tblTripsAndVMT	HaulingTripNumber	505.00	802.00

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tblTripsAndVMT	HaulingTripNumber	6,922.00	7,384.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	4.00
tblTripsAndVMT	WorkerTripNumber	3.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	25.00	26.00
tblVehicleTrips	ST_TR	6.39	5.23
tblVehicleTrips	ST_TR	8.19	8.38
tblVehicleTrips	ST_TR	94.36	87.95
tblVehicleTrips	ST_TR	42.04	6.60
tblVehicleTrips	SU_TR	5.86	4.79
tblVehicleTrips	SU_TR	5.95	6.09
tblVehicleTrips	SU_TR	72.16	67.26
tblVehicleTrips	SU_TR	20.43	6.60
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	8.17	8.36
tblVehicleTrips	WD_TR	89.95	83.84
tblVehicleTrips	WD_TR	44.32	6.60
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00

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tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	3.50	0.00
tblWoodstoves	NumberNoncatalytic	3.50	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-6-2020	7-5-2020	0.9539	0.6796
2	7-6-2020	10-5-2020	1.4722	0.9780
3	10-6-2020	1-5-2021	0.5370	0.1737
4	1-6-2021	4-5-2021	0.4954	0.2517
5	4-6-2021	7-5-2021	0.4989	0.2548
6	7-6-2021	9-30-2021	0.4877	0.2490
		Highest	1.4722	0.9780

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	0.5627	8.3900e-003	0.7276	4.0000e-005		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003	0.0000	1.1873	1.1873	1.1600e-003	0.0000	1.2164
Energy	0.0166	0.1487	0.1126	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	612.0293	612.0293	0.0238	7.2900e-003	614.7961
Mobile	0.4010	1.9748	4.9212	0.0163	1.2821	0.0141	1.2962	0.3437	0.0131	0.3568	0.0000	1,501.3790	1,501.3790	0.0833	0.0000	1,503.4606
Waste						0.0000	0.0000		0.0000	0.0000	17.0858	0.0000	17.0858	1.0097	0.0000	42.3292
Water						0.0000	0.0000		0.0000	0.0000	2.8254	39.9241	42.7495	0.0116	6.5300e-003	44.9833
Total	0.9802	2.1318	5.7614	0.0172	1.2821	0.0295	1.3116	0.3437	0.0286	0.3723	19.9112	2,154.5196	2,174.4307	1.1296	0.0138	2,206.7856

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5627	8.3900e-003	0.7276	4.0000e-005		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003	0.0000	1.1873	1.1873	1.1600e-003	0.0000	1.2164
Energy	0.0166	0.1487	0.1126	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	612.0293	612.0293	0.0238	7.2900e-003	614.7961
Mobile	0.4010	1.9748	4.9212	0.0163	1.2821	0.0141	1.2962	0.3437	0.0131	0.3568	0.0000	1,501.3790	1,501.3790	0.0833	0.0000	1,503.4606
Waste						0.0000	0.0000		0.0000	0.0000	8.5429	0.0000	8.5429	0.5049	0.0000	21.1646
Water						0.0000	0.0000		0.0000	0.0000	2.8254	39.9241	42.7495	0.0116	6.5300e-003	44.9833
Total	0.9802	2.1318	5.7614	0.0172	1.2821	0.0295	1.3116	0.3437	0.0286	0.3723	11.3683	2,154.5196	2,165.8878	0.6247	0.0138	2,185.6210

	ROG	NOx	CO	SO2	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	42.91	0.00	0.39	44.70	0.00	0.96

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase 1 Demolition / Shoring & Sound Wall	Demolition	4/6/2020	4/24/2020	5	15	
2	Phase 2 Demolition / Disassembly	Demolition	4/27/2020	5/22/2020	5	20	
3	Grading / Site Preparation	Site Preparation	5/25/2020	9/18/2020	5	85	
4	Parking / Foundation	Paving	9/21/2020	1/8/2021	5	80	
5	Superstructure / Framing	Building Construction	1/11/2021	5/28/2021	5	100	
6	Common Areas / Shell / Roofing	Building Construction	5/31/2021	10/15/2021	5	100	
7	Exterior Finishes / Interiors / TI / Landscaping	Architectural Coating	10/18/2021	12/24/2021	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.28

Residential Indoor: 127,069; Residential Outdoor: 42,356; Non-Residential Indoor: 105,105; Non-Residential Outdoor: 35,035; Striped Parking Area: 6,338 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase 1 Demolition / Shoring & Sound Wall	Air Compressors	0	0.00	78	0.48
Phase 1 Demolition / Shoring & Sound Wall	Bore/Drill Rigs	0	0.00	221	0.50
Phase 1 Demolition / Shoring & Sound Wall	Concrete/Industrial Saws	0	8.00	81	0.73
Phase 1 Demolition / Shoring & Sound Wall	Excavators	1	7.00	158	0.38
Phase 1 Demolition / Shoring & Sound Wall	Excavators	0	0.00	158	0.38
Phase 1 Demolition / Shoring & Sound Wall	Rubber Tired Dozers	0	1.00	247	0.40
Phase 1 Demolition / Shoring & Sound Wall	Tractors/Loaders/Backhoes	0	6.00	97	0.37

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Phase 2 Demolition / Disassembly	Concrete/Industrial Saws	0	0.00	81	0.73
Phase 2 Demolition / Disassembly	Excavators	0	0.00	158	0.38
Phase 2 Demolition / Disassembly	Rubber Tired Dozers	0	0.00	247	0.40
Phase 2 Demolition / Disassembly	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading / Site Preparation	Bore/Drill Rigs	1	7.00	221	0.50
Grading / Site Preparation	Excavators	2	7.00	158	0.38
Grading / Site Preparation	Forklifts	1	7.00	89	0.20
Grading / Site Preparation	Graders	1	8.00	187	0.41
Grading / Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Grading / Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Parking / Foundation	Cement and Mortar Mixers	0	0.00	9	0.56
Parking / Foundation	Forklifts	2	7.00	89	0.20
Parking / Foundation	Pavers	0	0.00	130	0.42
Parking / Foundation	Paving Equipment	0	0.00	132	0.36
Parking / Foundation	Rollers	0	0.00	80	0.38
Parking / Foundation	Skid Steer Loaders	2	7.00	65	0.37
Parking / Foundation	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Parking / Foundation	Welders	2	7.00	46	0.45
Superstructure / Framing	Cranes	0	0.00	231	0.29
Superstructure / Framing	Forklifts	3	7.00	89	0.20
Superstructure / Framing	Generator Sets	0	0.00	84	0.74
Superstructure / Framing	Skid Steer Loaders	1	7.00	65	0.37
Superstructure / Framing	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Superstructure / Framing	Welders	2	7.00	46	0.45
Common Areas / Shell / Roofing	Cranes	0	0.00	231	0.29
Common Areas / Shell / Roofing	Forklifts	3	7.00	89	0.20
Common Areas / Shell / Roofing	Generator Sets	0	0.00	84	0.74

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Common Areas / Shell / Roofing	Skid Steer Loaders	1	7.00	65	0.37
Common Areas / Shell / Roofing	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Common Areas / Shell / Roofing	Welders	2	7.00	46	0.45
Exterior Finishes / Interiors / TI / Landscaping	Air Compressors	2	7.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Phase 1 Demolition / Shoring & Sound Wall	1	4.00	0.00	0.00	14.70	6.90	29.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Demolition / Disassembly	1	4.00	0.00	802.00	14.70	6.90	29.00	LD_Mix	HDT_Mix	HHDT
Grading / Site Preparation	6	16.00	0.00	7,384.00	14.70	6.90	29.00	LD_Mix	HDT_Mix	HHDT
Parking / Foundation	10	26.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Superstructure / Framing	8	124.00	36.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Common Areas / Shell / Roofing	8	124.00	36.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Exterior Finishes / Interiors / TI / Landscaping	2	25.00	2.00	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

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3.2 Phase 1 Demolition / Shoring & Sound Wall - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0321	0.0000	0.0321	4.8500e-003	0.0000	4.8500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6100e-003	0.0158	0.0214	3.0000e-005		7.7000e-004	7.7000e-004		7.1000e-004	7.1000e-004	0.0000	2.9774	2.9774	9.6000e-004	0.0000	3.0015
Total	1.6100e-003	0.0158	0.0214	3.0000e-005	0.0321	7.7000e-004	0.0328	4.8500e-003	7.1000e-004	5.5600e-003	0.0000	2.9774	2.9774	9.6000e-004	0.0000	3.0015

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	1.4000e-004	1.1000e-004	1.2300e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3064	0.3064	1.0000e-005	0.0000	0.3067
Total	1.4000e-004	1.1000e-004	1.2300e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3064	0.3064	1.0000e-005	0.0000	0.3067

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3.2 Phase 1 Demolition / Shoring & Sound Wall - 2020

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					0.0144	0.0000	0.0144	2.1800e-003	0.0000	2.1800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2000e-004	1.8100e-003	0.0257	3.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	2.9774	2.9774	9.6000e-004	0.0000	3.0015
Total	4.2000e-004	1.8100e-003	0.0257	3.0000e-005	0.0144	6.0000e-005	0.0145	2.1800e-003	6.0000e-005	2.2400e-003	0.0000	2.9774	2.9774	9.6000e-004	0.0000	3.0015

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	1.4000e-004	1.1000e-004	1.2300e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3064	0.3064	1.0000e-005	0.0000	0.3067
Total	1.4000e-004	1.1000e-004	1.2300e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3064	0.3064	1.0000e-005	0.0000	0.3067

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3.3 Phase 2 Demolition / Disassembly - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0546	0.0000	0.0546	8.2700e-003	0.0000	8.2700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8300e-003	0.0184	0.0200	3.0000e-005		1.1600e-003	1.1600e-003		1.0700e-003	1.0700e-003	0.0000	2.3875	2.3875	7.7000e-004	0.0000	2.4068
Total	1.8300e-003	0.0184	0.0200	3.0000e-005	0.0546	1.1600e-003	0.0558	8.2700e-003	1.0700e-003	9.3400e-003	0.0000	2.3875	2.3875	7.7000e-004	0.0000	2.4068

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	4.8100e-003	0.1556	0.0355	4.4000e-004	9.9900e-003	5.3000e-004	0.0105	2.7400e-003	5.1000e-004	3.2500e-003	0.0000	43.0310	43.0310	2.8400e-003	0.0000	43.1019
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	1.8000e-004	1.5000e-004	1.6500e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4085	0.4085	1.0000e-005	0.0000	0.4089
Total	4.9900e-003	0.1557	0.0372	4.4000e-004	0.0104	5.3000e-004	0.0110	2.8600e-003	5.1000e-004	3.3700e-003	0.0000	43.4395	43.4395	2.8500e-003	0.0000	43.5108

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3.3 Phase 2 Demolition / Disassembly - 2020

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					0.0246	0.0000	0.0246	3.7200e-003	0.0000	3.7200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3000e-004	1.4400e-003	0.0205	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.3875	2.3875	7.7000e-004	0.0000	2.4068
Total	3.3000e-004	1.4400e-003	0.0205	3.0000e-005	0.0246	4.0000e-005	0.0246	3.7200e-003	4.0000e-005	3.7600e-003	0.0000	2.3875	2.3875	7.7000e-004	0.0000	2.4068

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	4.8100e-003	0.1556	0.0355	4.4000e-004	9.9900e-003	5.3000e-004	0.0105	2.7400e-003	5.1000e-004	3.2500e-003	0.0000	43.0310	43.0310	2.8400e-003	0.0000	43.1019
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	1.8000e-004	1.5000e-004	1.6500e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4085	0.4085	1.0000e-005	0.0000	0.4089
Total	4.9900e-003	0.1557	0.0372	4.4000e-004	0.0104	5.3000e-004	0.0110	2.8600e-003	5.1000e-004	3.3700e-003	0.0000	43.4395	43.4395	2.8500e-003	0.0000	43.5108

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3.4 Grading / Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.6200e-003	0.0000	3.6200e-003	5.3000e-004	0.0000	5.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0619	0.7058	0.5262	1.1900e-003		0.0296	0.0296		0.0272	0.0272	0.0000	104.3580	104.3580	0.0338	0.0000	105.2018
Total	0.0619	0.7058	0.5262	1.1900e-003	3.6200e-003	0.0296	0.0332	5.3000e-004	0.0272	0.0278	0.0000	104.3580	104.3580	0.0338	0.0000	105.2018

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	0.0443	1.4325	0.3271	4.0300e-003	0.0920	4.8600e-003	0.0968	0.0253	4.6500e-003	0.0299	0.0000	396.1855	396.1855	0.0261	0.0000	396.8385
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1400e-003	2.5300e-003	0.0280	8.0000e-005	7.4500e-003	6.0000e-005	7.5100e-003	1.9800e-003	6.0000e-005	2.0400e-003	0.0000	6.9452	6.9452	2.2000e-004	0.0000	6.9507
Total	0.0474	1.4351	0.3551	4.1100e-003	0.0994	4.9200e-003	0.1043	0.0272	4.7100e-003	0.0320	0.0000	403.1307	403.1307	0.0263	0.0000	403.7892

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3.4 Grading / Site Preparation - 2020

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					1.6300e-003	0.0000	1.6300e-003	2.4000e-004	0.0000	2.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0146	0.0634	0.7076	1.1900e-003		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	104.3579	104.3579	0.0338	0.0000	105.2017
Total	0.0146	0.0634	0.7076	1.1900e-003	1.6300e-003	1.9500e-003	3.5800e-003	2.4000e-004	1.9500e-003	2.1900e-003	0.0000	104.3579	104.3579	0.0338	0.0000	105.2017

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	0.0443	1.4325	0.3271	4.0300e-003	0.0920	4.8600e-003	0.0968	0.0253	4.6500e-003	0.0299	0.0000	396.1855	396.1855	0.0261	0.0000	396.8385
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1400e-003	2.5300e-003	0.0280	8.0000e-005	7.4500e-003	6.0000e-005	7.5100e-003	1.9800e-003	6.0000e-005	2.0400e-003	0.0000	6.9452	6.9452	2.2000e-004	0.0000	6.9507
Total	0.0474	1.4351	0.3551	4.1100e-003	0.0994	4.9200e-003	0.1043	0.0272	4.7100e-003	0.0320	0.0000	403.1307	403.1307	0.0263	0.0000	403.7892

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3.5 Parking / Foundation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0638	0.5272	0.5761	8.0000e-004		0.0321	0.0321		0.0300	0.0300	0.0000	67.9750	67.9750	0.0198	0.0000	68.4711
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0638	0.5272	0.5761	8.0000e-004		0.0321	0.0321		0.0300	0.0300	0.0000	67.9750	67.9750	0.0198	0.0000	68.4711

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	2.7000e-004	8.0200e-003	2.1700e-003	2.0000e-005	4.7000e-004	4.0000e-005	5.0000e-004	1.3000e-004	4.0000e-005	1.7000e-004	0.0000	1.8384	1.8384	1.2000e-004	0.0000	1.8413
Worker	4.4400e-003	3.5800e-003	0.0396	1.1000e-004	0.0105	9.0000e-005	0.0106	2.8000e-003	8.0000e-005	2.8800e-003	0.0000	9.8254	9.8254	3.1000e-004	0.0000	9.8331
Total	4.7100e-003	0.0116	0.0418	1.3000e-004	0.0110	1.3000e-004	0.0111	2.9300e-003	1.2000e-004	3.0500e-003	0.0000	11.6637	11.6637	4.3000e-004	0.0000	11.6744

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3.5 Parking / Foundation - 2020

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	0.0123	0.1669	0.5771	8.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	67.9749	67.9749	0.0198	0.0000	68.4710
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0123	0.1669	0.5771	8.0000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	67.9749	67.9749	0.0198	0.0000	68.4710

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	2.7000e-004	8.0200e-003	2.1700e-003	2.0000e-005	4.7000e-004	4.0000e-005	5.0000e-004	1.3000e-004	4.0000e-005	1.7000e-004	0.0000	1.8384	1.8384	1.2000e-004	0.0000	1.8413
Worker	4.4400e-003	3.5800e-003	0.0396	1.1000e-004	0.0105	9.0000e-005	0.0106	2.8000e-003	8.0000e-005	2.8800e-003	0.0000	9.8254	9.8254	3.1000e-004	0.0000	9.8331
Total	4.7100e-003	0.0116	0.0418	1.3000e-004	0.0110	1.3000e-004	0.0111	2.9300e-003	1.2000e-004	3.0500e-003	0.0000	11.6637	11.6637	4.3000e-004	0.0000	11.6744

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3.5 Parking / Foundation - 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	4.6300e-003	0.0393	0.0462	6.0000e-005		2.2200e-003	2.2200e-003		2.0700e-003	2.0700e-003	0.0000	5.5129	5.5129	1.5900e-003	0.0000	5.5527
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.6300e-003	0.0393	0.0462	6.0000e-005		2.2200e-003	2.2200e-003		2.0700e-003	2.0700e-003	0.0000	5.5129	5.5129	1.5900e-003	0.0000	5.5527

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	2.0000e-005	5.9000e-004	1.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1479	0.1479	1.0000e-005	0.0000	0.1481
Worker	3.4000e-004	2.6000e-004	2.9500e-003	1.0000e-005	8.5000e-004	1.0000e-005	8.6000e-004	2.3000e-004	1.0000e-005	2.3000e-004	0.0000	0.7714	0.7714	2.0000e-005	0.0000	0.7719
Total	3.6000e-004	8.5000e-004	3.1100e-003	1.0000e-005	8.9000e-004	1.0000e-005	9.0000e-004	2.4000e-004	1.0000e-005	2.4000e-004	0.0000	0.9193	0.9193	3.0000e-005	0.0000	0.9200

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3.5 Parking / Foundation - 2021

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	9.9000e-004	0.0135	0.0468	6.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	5.5129	5.5129	1.5900e-003	0.0000	5.5527
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.9000e-004	0.0135	0.0468	6.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	5.5129	5.5129	1.5900e-003	0.0000	5.5527

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	2.0000e-005	5.9000e-004	1.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1479	0.1479	1.0000e-005	0.0000	0.1481
Worker	3.4000e-004	2.6000e-004	2.9500e-003	1.0000e-005	8.5000e-004	1.0000e-005	8.6000e-004	2.3000e-004	1.0000e-005	2.3000e-004	0.0000	0.7714	0.7714	2.0000e-005	0.0000	0.7719
Total	3.6000e-004	8.5000e-004	3.1100e-003	1.0000e-005	8.9000e-004	1.0000e-005	9.0000e-004	2.4000e-004	1.0000e-005	2.4000e-004	0.0000	0.9193	0.9193	3.0000e-005	0.0000	0.9200

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3.6 Superstructure / Framing - 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	0.0632	0.4966	0.5623	7.9000e-004		0.0290	0.0290		0.0272	0.0272	0.0000	65.9258	65.9258	0.0181	0.0000	66.3793
Total	0.0632	0.4966	0.5623	7.9000e-004		0.0290	0.0290		0.0272	0.0272	0.0000	65.9258	65.9258	0.0181	0.0000	66.3793

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	5.5900e-003	0.1776	0.0482	4.6000e-004	0.0113	3.6000e-004	0.0117	3.2700e-003	3.5000e-004	3.6200e-003	0.0000	44.3694	44.3694	2.7200e-003	0.0000	44.4374
Worker	0.0267	0.0208	0.2345	6.8000e-004	0.0679	5.6000e-004	0.0685	0.0180	5.2000e-004	0.0186	0.0000	61.3129	61.3129	1.8000e-003	0.0000	61.3580
Total	0.0323	0.1984	0.2826	1.1400e-003	0.0793	9.2000e-004	0.0802	0.0213	8.7000e-004	0.0222	0.0000	105.6822	105.6822	4.5200e-003	0.0000	105.7954

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3.6 Superstructure / Framing - 2021

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	0.0119	0.1638	0.5570	7.9000e-004		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	65.9258	65.9258	0.0181	0.0000	66.3792
Total	0.0119	0.1638	0.5570	7.9000e-004		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	65.9258	65.9258	0.0181	0.0000	66.3792

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	5.5900e-003	0.1776	0.0482	4.6000e-004	0.0113	3.6000e-004	0.0117	3.2700e-003	3.5000e-004	3.6200e-003	0.0000	44.3694	44.3694	2.7200e-003	0.0000	44.4374
Worker	0.0267	0.0208	0.2345	6.8000e-004	0.0679	5.6000e-004	0.0685	0.0180	5.2000e-004	0.0186	0.0000	61.3129	61.3129	1.8000e-003	0.0000	61.3580
Total	0.0323	0.1984	0.2826	1.1400e-003	0.0793	9.2000e-004	0.0802	0.0213	8.7000e-004	0.0222	0.0000	105.6822	105.6822	4.5200e-003	0.0000	105.7954

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3.7 Common Areas / Shell / Roofing - 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	0.0632	0.4966	0.5623	7.9000e-004		0.0290	0.0290		0.0272	0.0272	0.0000	65.9258	65.9258	0.0181	0.0000	66.3793
Total	0.0632	0.4966	0.5623	7.9000e-004		0.0290	0.0290		0.0272	0.0272	0.0000	65.9258	65.9258	0.0181	0.0000	66.3793

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	5.5900e-003	0.1776	0.0482	4.6000e-004	0.0113	3.6000e-004	0.0117	3.2700e-003	3.5000e-004	3.6200e-003	0.0000	44.3694	44.3694	2.7200e-003	0.0000	44.4374
Worker	0.0267	0.0208	0.2345	6.8000e-004	0.0679	5.6000e-004	0.0685	0.0180	5.2000e-004	0.0186	0.0000	61.3129	61.3129	1.8000e-003	0.0000	61.3580
Total	0.0323	0.1984	0.2826	1.1400e-003	0.0793	9.2000e-004	0.0802	0.0213	8.7000e-004	0.0222	0.0000	105.6822	105.6822	4.5200e-003	0.0000	105.7954

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3.7 Common Areas / Shell / Roofing - 2021

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	0.0119	0.1638	0.5570	7.9000e-004		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	65.9258	65.9258	0.0181	0.0000	66.3792
Total	0.0119	0.1638	0.5570	7.9000e-004		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	65.9258	65.9258	0.0181	0.0000	66.3792

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	5.5900e-003	0.1776	0.0482	4.6000e-004	0.0113	3.6000e-004	0.0117	3.2700e-003	3.5000e-004	3.6200e-003	0.0000	44.3694	44.3694	2.7200e-003	0.0000	44.4374
Worker	0.0267	0.0208	0.2345	6.8000e-004	0.0679	5.6000e-004	0.0685	0.0180	5.2000e-004	0.0186	0.0000	61.3129	61.3129	1.8000e-003	0.0000	61.3580
Total	0.0323	0.1984	0.2826	1.1400e-003	0.0793	9.2000e-004	0.0802	0.0213	8.7000e-004	0.0222	0.0000	105.6822	105.6822	4.5200e-003	0.0000	105.7954

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3.8 Exterior Finishes / Interiors / TI / Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5358					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0128	0.0891	0.1060	1.7000e-004		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003	0.0000	14.8940	14.8940	1.0200e-003	0.0000	14.9195
Total	0.5486	0.0891	0.1060	1.7000e-004		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003	0.0000	14.8940	14.8940	1.0200e-003	0.0000	14.9195

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	1.6000e-004	4.9300e-003	1.3400e-003	1.0000e-005	3.1000e-004	1.0000e-005	3.3000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.2325	1.2325	8.0000e-005	0.0000	1.2344
Worker	2.6900e-003	2.0900e-003	0.0236	7.0000e-005	6.8500e-003	6.0000e-005	6.9100e-003	1.8200e-003	5.0000e-005	1.8700e-003	0.0000	6.1807	6.1807	1.8000e-004	0.0000	6.1853
Total	2.8500e-003	7.0200e-003	0.0250	8.0000e-005	7.1600e-003	7.0000e-005	7.2400e-003	1.9100e-003	6.0000e-005	1.9700e-003	0.0000	7.4132	7.4132	2.6000e-004	0.0000	7.4197

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3.8 Exterior Finishes / Interiors / TI / Landscaping - 2021

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	0.5358					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7300e-003	7.5100e-003	0.1069	1.7000e-004		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	14.8940	14.8940	1.0200e-003	0.0000	14.9195
Total	0.5375	7.5100e-003	0.1069	1.7000e-004		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	14.8940	14.8940	1.0200e-003	0.0000	14.9195

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	1.6000e-004	4.9300e-003	1.3400e-003	1.0000e-005	3.1000e-004	1.0000e-005	3.3000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.2325	1.2325	8.0000e-005	0.0000	1.2344
Worker	2.6900e-003	2.0900e-003	0.0236	7.0000e-005	6.8500e-003	6.0000e-005	6.9100e-003	1.8200e-003	5.0000e-005	1.8700e-003	0.0000	6.1807	6.1807	1.8000e-004	0.0000	6.1853
Total	2.8500e-003	7.0200e-003	0.0250	8.0000e-005	7.1600e-003	7.0000e-005	7.2400e-003	1.9100e-003	6.0000e-005	1.9700e-003	0.0000	7.4132	7.4132	2.6000e-004	0.0000	7.4197

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive 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	0.4010	1.9748	4.9212	0.0163	1.2821	0.0141	1.2962	0.3437	0.0131	0.3568	0.0000	1,501.3790	1,501.3790	0.0833	0.0000	1,503.4606
Unmitigated	0.4010	1.9748	4.9212	0.0163	1.2821	0.0141	1.2962	0.3437	0.0131	0.3568	0.0000	1,501.3790	1,501.3790	0.0833	0.0000	1,503.4606

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	380.80	366.10	335.30	1,271,864	1,271,864
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	718.96	720.68	523.74	1,649,601	1,649,601
Quality Restaurant	315.24	330.69	252.90	439,248	439,248
Strip Mall	9.11	9.11	9.11	17,329	17,329
Total	1,424.11	1,426.58	1,121.05	3,378,041	3,378,041

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Enclosed Parking with Elevator	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Hotel	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Quality Restaurant	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Strip Mall	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

The Bond Project - Proposed - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	448.1342	448.1342	0.0207	4.2800e-003	449.9270
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	448.1342	448.1342	0.0207	4.2800e-003	449.9270
NaturalGas Mitigated	0.0166	0.1487	0.1126	9.0000e-004			0.0114	0.0114		0.0114	0.0000	163.8951	163.8951	3.1400e-003	3.0000e-003	164.8691
NaturalGas Unmitigated	0.0166	0.1487	0.1126	9.0000e-004			0.0114	0.0114		0.0114	0.0000	163.8951	163.8951	3.1400e-003	3.0000e-003	164.8691

The Bond Project - Proposed - Los Angeles-South Coast County, 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					
Apartments Mid Rise	645186	3.4800e-003	0.0297	0.0127	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.4296	34.4296	6.6000e-004	6.3000e-004	34.6342
Enclosed Parking with Elevator	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
Hotel	1.55709e+006	8.4000e-003	0.0763	0.0641	4.6000e-004		5.8000e-003	5.8000e-003		5.8000e-003	5.8000e-003	0.0000	83.0924	83.0924	1.5900e-003	1.5200e-003	83.5862
Quality Restaurant	866735	4.6700e-003	0.0425	0.0357	2.5000e-004		3.2300e-003	3.2300e-003		3.2300e-003	3.2300e-003	0.0000	46.2523	46.2523	8.9000e-004	8.5000e-004	46.5271
Strip Mall	2264.84	1.0000e-005	1.1000e-004	9.0000e-005	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1209	0.1209	0.0000	0.0000	0.1216
Total		0.0166	0.1487	0.1126	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.8951	163.8951	3.1400e-003	3.0000e-003	164.8691

The Bond Project - Proposed - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	645186	3.4800e-003	0.0297	0.0127	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.4296	34.4296	6.6000e-004	6.3000e-004	34.6342
Enclosed Parking with Elevator	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
Hotel	1.55709e+006	8.4000e-003	0.0763	0.0641	4.6000e-004		5.8000e-003	5.8000e-003		5.8000e-003	5.8000e-003	0.0000	83.0924	83.0924	1.5900e-003	1.5200e-003	83.5862
Quality Restaurant	866735	4.6700e-003	0.0425	0.0357	2.5000e-004		3.2300e-003	3.2300e-003		3.2300e-003	3.2300e-003	0.0000	46.2523	46.2523	8.9000e-004	8.5000e-004	46.5271
Strip Mall	2264.84	1.0000e-005	1.1000e-004	9.0000e-005	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1209	0.1209	0.0000	0.0000	0.1216
Total		0.0166	0.1487	0.1126	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.8951	163.8951	3.1400e-003	3.0000e-003	164.8691

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5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	277206	78.9800	3.6500e-003	7.5000e-004	79.2960
Enclosed Parking with Elevator	619039	176.3734	8.1400e-003	1.6800e-003	177.0790
Hotel	492192	140.2329	6.4700e-003	1.3400e-003	140.7940
Quality Restaurant	165790	47.2360	2.1800e-003	4.5000e-004	47.4250
Strip Mall	18643.5	5.3118	2.5000e-004	5.0000e-005	5.3331
Total		448.1342	0.0207	4.2700e-003	449.9270

The Bond Project - Proposed - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	277206	78.9800	3.6500e-003	7.5000e-004	79.2960
Enclosed Parking with Elevator	619039	176.3734	8.1400e-003	1.6800e-003	177.0790
Hotel	492192	140.2329	6.4700e-003	1.3400e-003	140.7940
Quality Restaurant	165790	47.2360	2.1800e-003	4.5000e-004	47.4250
Strip Mall	18643.5	5.3118	2.5000e-004	5.0000e-005	5.3331
Total		448.1342	0.0207	4.2700e-003	449.9270

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5627	8.3900e-003	0.7276	4.0000e-005		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003	0.0000	1.1873	1.1873	1.1600e-003	0.0000	1.2164
Unmitigated	0.5627	8.3900e-003	0.7276	4.0000e-005		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003	0.0000	1.1873	1.1873	1.1600e-003	0.0000	1.2164

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	0.0536					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4868					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0223	8.3900e-003	0.7276	4.0000e-005		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003	0.0000	1.1873	1.1873	1.1600e-003	0.0000	1.2164
Total	0.5627	8.3900e-003	0.7276	4.0000e-005		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003	0.0000	1.1873	1.1873	1.1600e-003	0.0000	1.2164

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0536					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4868					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0223	8.3900e-003	0.7276	4.0000e-005		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003	0.0000	1.1873	1.1873	1.1600e-003	0.0000	1.2164
Total	0.5627	8.3900e-003	0.7276	4.0000e-005		4.0000e-003	4.0000e-003		4.0000e-003	4.0000e-003	0.0000	1.1873	1.1873	1.1600e-003	0.0000	1.2164

7.0 Water Detail

7.1 Mitigation Measures Water

The Bond Project - Proposed - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	42.7495	0.0116	6.5300e-003	44.9833
Unmitigated	42.7495	0.0116	6.5300e-003	44.9833

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	4.56078 / 2.87528	27.6350	6.7600e-003	3.7600e-003	28.9236
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	2.18154 / 0.242394	9.6324	3.0700e-003	1.7600e-003	10.2344
Quality Restaurant	1.14129 / 0.0728481	4.8684	1.6000e-003	9.2000e-004	5.1827
Strip Mall	0.10222 / 0.062651	0.6137	1.5000e-004	8.0000e-005	0.6426
Total		42.7495	0.0116	6.5200e-003	44.9833

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	4.56078 / 2.87528	27.6350	6.7600e-003	3.7600e-003	28.9236
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	2.18154 / 0.242394	9.6324	3.0700e-003	1.7600e-003	10.2344
Quality Restaurant	1.14129 / 0.0728481	4.8684	1.6000e-003	9.2000e-004	5.1827
Strip Mall	0.10222 / 0.062651	0.6137	1.5000e-004	8.0000e-005	0.6426
Total		42.7495	0.0116	6.5200e-003	44.9833

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

The Bond Project - Proposed - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.5429	0.5049	0.0000	21.1646
Unmitigated	17.0858	1.0097	0.0000	42.3292

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	32.2	6.5363	0.3863	0.0000	16.1934
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	47.09	9.5588	0.5649	0.0000	23.6816
Quality Restaurant	3.43	0.6963	0.0412	0.0000	1.7250
Strip Mall	1.45	0.2943	0.0174	0.0000	0.7292
Total		17.0858	1.0097	0.0000	42.3292

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	16.1	3.2682	0.1931	0.0000	8.0967
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	23.545	4.7794	0.2825	0.0000	11.8408
Quality Restaurant	1.715	0.3481	0.0206	0.0000	0.8625
Strip Mall	0.725	0.1472	8.7000e-003	0.0000	0.3646
Total		8.5429	0.5049	0.0000	21.1646

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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The Bond Project - Proposed - Los Angeles-South Coast County, Annual

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

The Bond Project - Existing - Los Angeles-South Coast County, Winter

The Bond Project - Existing
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	27.00	Space	0.00	10,800.00	0
Parking Lot	45.00	Space	0.00	18,000.00	0
Health Club	10.00	1000sqft	0.00	10,000.00	0
Apartments Low Rise	7.00	Dwelling Unit	0.00	3,718.00	11

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	628.13	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

The Bond Project - Existing - Los Angeles-South Coast County, Winter

Project Characteristics - See Section 1.0 Project Characteristics. Operational year 2019. CO2 Intensity factor adjusted for 2017 SCE Power Content Label assuming 29% renewables (628.13 lb/MWh).

Land Use - See 1.1 Land Usage.

Construction Phase - Construction not modeled.

Off-road Equipment - Construction not modeled.

Trips and VMT - Construction not modeled.

Architectural Coating -

Vehicle Trips - Project-specific weekday trip rates (KOA). Saturday and Sunday trip rates adjusted based on weekday trip rates and CalEEMod default trip rates.

Vehicle Emission Factors - Default CalEEMod emission factors for 2019.

Vehicle Emission Factors - Default CalEEMod emission factors for 2019.

Vehicle Emission Factors - Default CalEEMod emission factors for 2019.

Area Coating - Default CalEEMod values.

Energy Use - Default CalEEMod values.

Mobile Land Use Mitigation - No mitigation applied.

Waste Mitigation - Percent Reduction in Waste Disposed: 50%. Waste diversion consistent with Assembly Bill 939.

Fleet Mix - Default CalEEMod values.

Woodstoves - No woodstoves. No fireplaces.

Consumer Products - Default CalEEMod values.

Road Dust - Default CalEEMod values.

Landscape Equipment - Default CalEEMod values.

Water And Wastewater - Default CalEEMod values for indoor and outdoor use. Assumed 100% aerobic.

Solid Waste - Default CalEEMod values.

Mobile Commute Mitigation - No mitigation applied.

Area Mitigation - No mitigation applied.

Energy Mitigation - No mitigation applied.

Water Mitigation - No mitigation applied.

The Bond Project - Existing - Los Angeles-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	0.00	1.00
tblEnergyUse	NT24E	3,172.76	3,172.76
tblEnergyUse	T24E	135.01	135.01
tblEnergyUse	T24NG	9,285.07	9,285.07
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	5.95	0.00
tblFireplaces	NumberNoFireplace	0.70	7.00
tblFireplaces	NumberWood	0.35	0.00
tblLandUse	LandUseSquareFeet	7,000.00	3,718.00
tblLandUse	LotAcreage	0.24	0.00
tblLandUse	LotAcreage	0.41	0.00
tblLandUse	LotAcreage	0.23	0.00
tblLandUse	LotAcreage	0.44	0.00
tblLandUse	Population	20.00	11.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	628.13
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	WorkerTripNumber	21.00	0.00
tblVehicleTrips	ST_TR	7.16	5.91
tblVehicleTrips	ST_TR	20.87	18.27
tblVehicleTrips	SU_TR	6.07	5.01
tblVehicleTrips	SU_TR	26.73	23.39
tblVehicleTrips	WD_TR	6.59	5.44
tblVehicleTrips	WD_TR	32.93	28.82

The Bond Project - Existing - Los Angeles-South Coast County, Winter

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	0.35	0.00
tblWoodstoves	NumberNoncatalytic	0.35	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

The Bond Project - Existing - Los Angeles-South Coast County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3344	6.8000e-003	0.5888	3.0000e-005		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	1.0578	1.0578	1.0700e-003	0.0000	1.0846
Energy	8.2700e-003	0.0736	0.0515	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003		90.1894	90.1894	1.7300e-003	1.6500e-003	90.7253
Mobile	0.6265	2.8316	7.2586	0.0208	1.6115	0.0250	1.6365	0.4313	0.0235	0.4549		2,112.9516	2,112.9516	0.1327		2,116.2686
Total	0.9691	2.9119	7.8989	0.0213	1.6115	0.0340	1.6454	0.4313	0.0325	0.4638	0.0000	2,204.1988	2,204.1988	0.1355	1.6500e-003	2,208.0785

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3344	6.8000e-003	0.5888	3.0000e-005		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	1.0578	1.0578	1.0700e-003	0.0000	1.0846
Energy	8.2700e-003	0.0736	0.0515	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003		90.1894	90.1894	1.7300e-003	1.6500e-003	90.7253
Mobile	0.6265	2.8316	7.2586	0.0208	1.6115	0.0250	1.6365	0.4313	0.0235	0.4549		2,112.9516	2,112.9516	0.1327		2,116.2686
Total	0.9691	2.9119	7.8989	0.0213	1.6115	0.0340	1.6454	0.4313	0.0325	0.4638	0.0000	2,204.1988	2,204.1988	0.1355	1.6500e-003	2,208.0785

The Bond Project - Existing - Los Angeles-South Coast County, Winter

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

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2019	1/1/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

The Bond Project - Existing - Los Angeles-South Coast County, Winter

3.1 Mitigation Measures Construction

3.2 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

Unmitigated Construction Off-Site

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

The Bond Project - Existing - Los Angeles-South Coast County, Winter

3.2 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

The Bond Project - Existing - Los Angeles-South Coast County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6265	2.8316	7.2586	0.0208	1.6115	0.0250	1.6365	0.4313	0.0235	0.4549		2,112.9516	2,112.9516	0.1327		2,116.2686
Unmitigated	0.6265	2.8316	7.2586	0.0208	1.6115	0.0250	1.6365	0.4313	0.0235	0.4549		2,112.9516	2,112.9516	0.1327		2,116.2686

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	38.08	41.37	35.07	130,262	130,262
Health Club	288.20	182.70	233.90	567,569	567,569
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	326.28	224.07	268.97	697,830	697,830

4.3 Trip Type Information

The Bond Project - Existing - Los Angeles-South Coast County, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925
Health Club	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925
Parking Lot	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

The Bond Project - Existing - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	8.2700e-003	0.0736	0.0515	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003		90.1894	90.1894	1.7300e-003	1.6500e-003	90.7253
NaturalGas Unmitigated	8.2700e-003	0.0736	0.0515	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003		90.1894	90.1894	1.7300e-003	1.6500e-003	90.7253

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	270.719	2.9200e-003	0.0250	0.0106	1.6000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003		31.8493	31.8493	6.1000e-004	5.8000e-004	32.0386
Health Club	495.89	5.3500e-003	0.0486	0.0408	2.9000e-004		3.6900e-003	3.6900e-003		3.6900e-003	3.6900e-003		58.3401	58.3401	1.1200e-003	1.0700e-003	58.6867
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		8.2700e-003	0.0736	0.0515	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003		90.1894	90.1894	1.7300e-003	1.6500e-003	90.7253

The Bond Project - Existing - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.270719	2.9200e-003	0.0250	0.0106	1.6000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003		31.8493	31.8493	6.1000e-004	5.8000e-004	32.0386
Health Club	0.49589	5.3500e-003	0.0486	0.0408	2.9000e-004		3.6900e-003	3.6900e-003		3.6900e-003	3.6900e-003		58.3401	58.3401	1.1200e-003	1.0700e-003	58.6867
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		8.2700e-003	0.0736	0.0515	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003		90.1894	90.1894	1.7300e-003	1.6500e-003	90.7253

6.0 Area Detail

6.1 Mitigation Measures Area

The Bond Project - Existing - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3344	6.8000e-003	0.5888	3.0000e-005		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	1.0578	1.0578	1.0700e-003	0.0000	1.0846
Unmitigated	0.3344	6.8000e-003	0.5888	3.0000e-005		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	1.0578	1.0578	1.0700e-003	0.0000	1.0846

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0340					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2818					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0186	6.8000e-003	0.5888	3.0000e-005		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003		1.0578	1.0578	1.0700e-003		1.0846
Total	0.3344	6.8000e-003	0.5888	3.0000e-005		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	1.0578	1.0578	1.0700e-003	0.0000	1.0846

The Bond Project - Existing - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0340					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2818					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0186	6.8000e-003	0.5888	3.0000e-005		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003		1.0578	1.0578	1.0700e-003		1.0846
Total	0.3344	6.8000e-003	0.5888	3.0000e-005		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	1.0578	1.0578	1.0700e-003	0.0000	1.0846

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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The Bond Project - Existing - Los Angeles-South Coast County, Winter

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

The Bond Project - Existing - Los Angeles-South Coast County, Summer

The Bond Project - Existing
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	27.00	Space	0.00	10,800.00	0
Parking Lot	45.00	Space	0.00	18,000.00	0
Health Club	10.00	1000sqft	0.00	10,000.00	0
Apartments Low Rise	7.00	Dwelling Unit	0.00	3,718.00	11

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	628.13	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

The Bond Project - Existing - Los Angeles-South Coast County, Summer

Project Characteristics - See Section 1.0 Project Characteristics. Operational year 2019. CO2 Intensity factor adjusted for 2017 SCE Power Content Label assuming 29% renewables (628.13 lb/MWh).

Land Use - See 1.1 Land Usage.

Construction Phase - Construction not modeled.

Off-road Equipment - Construction not modeled.

Trips and VMT - Construction not modeled.

Architectural Coating -

Vehicle Trips - Project-specific weekday trip rates (KOA). Saturday and Sunday trip rates adjusted based on weekday trip rates and CalEEMod default trip rates.

Vehicle Emission Factors - Default CalEEMod emission factors for 2019.

Vehicle Emission Factors - Default CalEEMod emission factors for 2019.

Vehicle Emission Factors - Default CalEEMod emission factors for 2019.

Area Coating - Default CalEEMod values.

Energy Use - Default CalEEMod values.

Mobile Land Use Mitigation - No mitigation applied.

Waste Mitigation - Percent Reduction in Waste Disposed: 50%. Waste diversion consistent with Assembly Bill 939.

Fleet Mix - Default CalEEMod values.

Woodstoves - No woodstoves. No fireplaces.

Consumer Products - Default CalEEMod values.

Road Dust - Default CalEEMod values.

Landscape Equipment - Default CalEEMod values.

Water And Wastewater - Default CalEEMod values for indoor and outdoor use. Assumed 100% aerobic.

Solid Waste - Default CalEEMod values.

Mobile Commute Mitigation - No mitigation applied.

Area Mitigation - No mitigation applied.

Energy Mitigation - No mitigation applied.

Water Mitigation - No mitigation applied.

The Bond Project - Existing - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	0.00	1.00
tblEnergyUse	NT24E	3,172.76	3,172.76
tblEnergyUse	T24E	135.01	135.01
tblEnergyUse	T24NG	9,285.07	9,285.07
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	5.95	0.00
tblFireplaces	NumberNoFireplace	0.70	7.00
tblFireplaces	NumberWood	0.35	0.00
tblLandUse	LandUseSquareFeet	7,000.00	3,718.00
tblLandUse	LotAcreage	0.24	0.00
tblLandUse	LotAcreage	0.41	0.00
tblLandUse	LotAcreage	0.23	0.00
tblLandUse	LotAcreage	0.44	0.00
tblLandUse	Population	20.00	11.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	628.13
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	WorkerTripNumber	21.00	0.00
tblVehicleTrips	ST_TR	7.16	5.91
tblVehicleTrips	ST_TR	20.87	18.27
tblVehicleTrips	SU_TR	6.07	5.01
tblVehicleTrips	SU_TR	26.73	23.39
tblVehicleTrips	WD_TR	6.59	5.44
tblVehicleTrips	WD_TR	32.93	28.82

The Bond Project - Existing - Los Angeles-South Coast County, Summer

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	0.35	0.00
tblWoodstoves	NumberNoncatalytic	0.35	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

The Bond Project - Existing - Los Angeles-South Coast County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3344	6.8000e-003	0.5888	3.0000e-005		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	1.0578	1.0578	1.0700e-003	0.0000	1.0846
Energy	8.2700e-003	0.0736	0.0515	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003		90.1894	90.1894	1.7300e-003	1.6500e-003	90.7253
Mobile	0.6427	2.7692	7.5013	0.0219	1.6115	0.0248	1.6363	0.4313	0.0233	0.4547		2,223.6320	2,223.6320	0.1324		2,226.9416
Total	0.9853	2.8496	8.1415	0.0224	1.6115	0.0337	1.6452	0.4313	0.0322	0.4636	0.0000	2,314.8792	2,314.8792	0.1352	1.6500e-003	2,318.7514

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3344	6.8000e-003	0.5888	3.0000e-005		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	1.0578	1.0578	1.0700e-003	0.0000	1.0846
Energy	8.2700e-003	0.0736	0.0515	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003		90.1894	90.1894	1.7300e-003	1.6500e-003	90.7253
Mobile	0.6427	2.7692	7.5013	0.0219	1.6115	0.0248	1.6363	0.4313	0.0233	0.4547		2,223.6320	2,223.6320	0.1324		2,226.9416
Total	0.9853	2.8496	8.1415	0.0224	1.6115	0.0337	1.6452	0.4313	0.0322	0.4636	0.0000	2,314.8792	2,314.8792	0.1352	1.6500e-003	2,318.7514

The Bond Project - Existing - Los Angeles-South Coast County, Summer

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

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2019	1/1/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

The Bond Project - Existing - Los Angeles-South Coast County, Summer

3.1 Mitigation Measures Construction

3.2 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

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

The Bond Project - Existing - Los Angeles-South Coast County, Summer

3.2 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

The Bond Project - Existing - Los Angeles-South Coast County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6427	2.7692	7.5013	0.0219	1.6115	0.0248	1.6363	0.4313	0.0233	0.4547		2,223.6320	2,223.6320	0.1324		2,226.9416
Unmitigated	0.6427	2.7692	7.5013	0.0219	1.6115	0.0248	1.6363	0.4313	0.0233	0.4547		2,223.6320	2,223.6320	0.1324		2,226.9416

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	38.08	41.37	35.07	130,262	130,262
Health Club	288.20	182.70	233.90	567,569	567,569
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	326.28	224.07	268.97	697,830	697,830

4.3 Trip Type Information

The Bond Project - Existing - Los Angeles-South Coast County, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925
Health Club	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925
Parking Lot	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

The Bond Project - Existing - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	8.2700e-003	0.0736	0.0515	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003		90.1894	90.1894	1.7300e-003	1.6500e-003	90.7253
NaturalGas Unmitigated	8.2700e-003	0.0736	0.0515	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003		90.1894	90.1894	1.7300e-003	1.6500e-003	90.7253

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	270.719	2.9200e-003	0.0250	0.0106	1.6000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003		31.8493	31.8493	6.1000e-004	5.8000e-004	32.0386
Health Club	495.89	5.3500e-003	0.0486	0.0408	2.9000e-004		3.6900e-003	3.6900e-003		3.6900e-003	3.6900e-003		58.3401	58.3401	1.1200e-003	1.0700e-003	58.6867
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		8.2700e-003	0.0736	0.0515	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003		90.1894	90.1894	1.7300e-003	1.6500e-003	90.7253

The Bond Project - Existing - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0.270719	2.9200e-003	0.0250	0.0106	1.6000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003		31.8493	31.8493	6.1000e-004	5.8000e-004	32.0386
Health Club	0.49589	5.3500e-003	0.0486	0.0408	2.9000e-004		3.6900e-003	3.6900e-003		3.6900e-003	3.6900e-003		58.3401	58.3401	1.1200e-003	1.0700e-003	58.6867
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		8.2700e-003	0.0736	0.0515	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003		90.1894	90.1894	1.7300e-003	1.6500e-003	90.7253

6.0 Area Detail

6.1 Mitigation Measures Area

The Bond Project - Existing - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3344	6.8000e-003	0.5888	3.0000e-005		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	1.0578	1.0578	1.0700e-003	0.0000	1.0846
Unmitigated	0.3344	6.8000e-003	0.5888	3.0000e-005		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	1.0578	1.0578	1.0700e-003	0.0000	1.0846

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0340					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2818					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0186	6.8000e-003	0.5888	3.0000e-005		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003		1.0578	1.0578	1.0700e-003		1.0846
Total	0.3344	6.8000e-003	0.5888	3.0000e-005		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	1.0578	1.0578	1.0700e-003	0.0000	1.0846

The Bond Project - Existing - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0340					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2818					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0186	6.8000e-003	0.5888	3.0000e-005		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003		1.0578	1.0578	1.0700e-003		1.0846
Total	0.3344	6.8000e-003	0.5888	3.0000e-005		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	1.0578	1.0578	1.0700e-003	0.0000	1.0846

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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The Bond Project - Existing - Los Angeles-South Coast County, Summer

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

The Bond Project - Existing - Los Angeles-South Coast County, Annual

The Bond Project - Existing
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	27.00	Space	0.00	10,800.00	0
Parking Lot	45.00	Space	0.00	18,000.00	0
Health Club	10.00	1000sqft	0.00	10,000.00	0
Apartments Low Rise	7.00	Dwelling Unit	0.00	3,718.00	11

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	628.13	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

The Bond Project - Existing - Los Angeles-South Coast County, Annual

Project Characteristics - See Section 1.0 Project Characteristics. Operational year 2019. CO2 Intensity factor adjusted for 2017 SCE Power Content Label assuming 29% renewables (628.13 lb/MWh).

Land Use - See 1.1 Land Usage.

Construction Phase - Construction not modeled.

Off-road Equipment - Construction not modeled.

Trips and VMT - Construction not modeled.

Architectural Coating -

Vehicle Trips - Project-specific weekday trip rates (KOA). Saturday and Sunday trip rates adjusted based on weekday trip rates and CalEEMod default trip rates.

Vehicle Emission Factors - Default CalEEMod emission factors for 2019.

Vehicle Emission Factors - Default CalEEMod emission factors for 2019.

Vehicle Emission Factors - Default CalEEMod emission factors for 2019.

Area Coating - Default CalEEMod values.

Energy Use - Default CalEEMod values.

Mobile Land Use Mitigation - No mitigation applied.

Waste Mitigation - Percent Reduction in Waste Disposed: 50%. Waste diversion consistent with Assembly Bill 939.

Fleet Mix - Default CalEEMod values.

Woodstoves - No woodstoves. No fireplaces.

Consumer Products - Default CalEEMod values.

Road Dust - Default CalEEMod values.

Landscape Equipment - Default CalEEMod values.

Water And Wastewater - Default CalEEMod values for indoor and outdoor use. Assumed 100% aerobic.

Solid Waste - Default CalEEMod values.

Mobile Commute Mitigation - No mitigation applied.

Area Mitigation - No mitigation applied.

Energy Mitigation - No mitigation applied.

Water Mitigation - No mitigation applied.

The Bond Project - Existing - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	0.00	1.00
tblEnergyUse	NT24E	3,172.76	3,172.76
tblEnergyUse	T24E	135.01	135.01
tblEnergyUse	T24NG	9,285.07	9,285.07
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	5.95	0.00
tblFireplaces	NumberNoFireplace	0.70	7.00
tblFireplaces	NumberWood	0.35	0.00
tblLandUse	LandUseSquareFeet	7,000.00	3,718.00
tblLandUse	LotAcreage	0.24	0.00
tblLandUse	LotAcreage	0.41	0.00
tblLandUse	LotAcreage	0.23	0.00
tblLandUse	LotAcreage	0.44	0.00
tblLandUse	Population	20.00	11.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	628.13
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	WorkerTripNumber	21.00	0.00
tblVehicleTrips	ST_TR	7.16	5.91
tblVehicleTrips	ST_TR	20.87	18.27
tblVehicleTrips	SU_TR	6.07	5.01
tblVehicleTrips	SU_TR	26.73	23.39
tblVehicleTrips	WD_TR	6.59	5.44
tblVehicleTrips	WD_TR	32.93	28.82

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tbWater	AerobicPercent	87.46	100.00
tbWater	AerobicPercent	87.46	100.00
tbWater	AerobicPercent	87.46	100.00
tbWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tbWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tbWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tbWater	SepticTankPercent	10.33	0.00
tbWater	SepticTankPercent	10.33	0.00
tbWater	SepticTankPercent	10.33	0.00
tbWoodstoves	NumberCatalytic	0.35	0.00
tbWoodstoves	NumberNoncatalytic	0.35	0.00
tbWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

The Bond Project - Existing - Los Angeles-South Coast County, Annual

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0600	8.5000e-004	0.0736	0.0000		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	0.1200	0.1200	1.2000e-004	0.0000	0.1230
Energy	1.5100e-003	0.0134	9.3900e-003	8.0000e-005		1.0400e-003	1.0400e-003		1.0400e-003	1.0400e-003	0.0000	57.6426	57.6426	2.2600e-003	6.8000e-004	57.9022
Mobile	0.1020	0.4835	1.2284	3.5400e-003	0.2649	4.1700e-003	0.2691	0.0710	3.9200e-003	0.0749	0.0000	326.0641	326.0641	0.0201	0.0000	326.5655
Waste						0.0000	0.0000		0.0000	0.0000	12.2241	0.0000	12.2241	0.7224	0.0000	30.2847
Water						0.0000	0.0000		0.0000	0.0000	0.3706	5.9437	6.3143	1.5500e-003	8.6000e-004	6.6102
Total	0.1634	0.4977	1.3114	3.6200e-003	0.2649	5.6100e-003	0.2705	0.0710	5.3600e-003	0.0764	12.5947	389.7704	402.3651	0.7464	1.5400e-003	421.4856

The Bond Project - Existing - Los Angeles-South Coast County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0600	8.5000e-004	0.0736	0.0000		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	0.1200	0.1200	1.2000e-004	0.0000	0.1230
Energy	1.5100e-003	0.0134	9.3900e-003	8.0000e-005		1.0400e-003	1.0400e-003		1.0400e-003	1.0400e-003	0.0000	57.6426	57.6426	2.2600e-003	6.8000e-004	57.9022
Mobile	0.1020	0.4835	1.2284	3.5400e-003	0.2649	4.1700e-003	0.2691	0.0710	3.9200e-003	0.0749	0.0000	326.0641	326.0641	0.0201	0.0000	326.5655
Waste						0.0000	0.0000		0.0000	0.0000	6.1121	0.0000	6.1121	0.3612	0.0000	15.1424
Water						0.0000	0.0000		0.0000	0.0000	0.3706	5.9437	6.3143	1.5500e-003	8.6000e-004	6.6102
Total	0.1634	0.4977	1.3114	3.6200e-003	0.2649	5.6100e-003	0.2705	0.0710	5.3600e-003	0.0764	6.4827	389.7704	396.2530	0.3852	1.5400e-003	406.3432

	ROG	NOx	CO	SO2	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	48.53	0.00	1.52	48.39	0.00	3.59

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2019	1/1/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

The Bond Project - Existing - Los Angeles-South Coast County, Annual

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

The Bond Project - Existing - Los Angeles-South Coast County, Annual

3.2 Building Construction - 2019

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

The Bond Project - Existing - Los Angeles-South Coast County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive 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	0.1020	0.4835	1.2284	3.5400e-003	0.2649	4.1700e-003	0.2691	0.0710	3.9200e-003	0.0749	0.0000	326.0641	326.0641	0.0201	0.0000	326.5655
Unmitigated	0.1020	0.4835	1.2284	3.5400e-003	0.2649	4.1700e-003	0.2691	0.0710	3.9200e-003	0.0749	0.0000	326.0641	326.0641	0.0201	0.0000	326.5655

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	38.08	41.37	35.07	130,262	130,262
Health Club	288.20	182.70	233.90	567,569	567,569
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	326.28	224.07	268.97	697,830	697,830

4.3 Trip Type Information

The Bond Project - Existing - Los Angeles-South Coast County, Annual

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925
Health Club	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925
Parking Lot	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

The Bond Project - Existing - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	42.7107	42.7107	1.9700e-003	4.1000e-004	42.8816
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	42.7107	42.7107	1.9700e-003	4.1000e-004	42.8816
NaturalGas Mitigated	1.5100e-003	0.0134	9.3900e-003	8.0000e-005		1.0400e-003	1.0400e-003		1.0400e-003	1.0400e-003	0.0000	14.9319	14.9319	2.9000e-004	2.7000e-004	15.0206
NaturalGas Unmitigated	1.5100e-003	0.0134	9.3900e-003	8.0000e-005		1.0400e-003	1.0400e-003		1.0400e-003	1.0400e-003	0.0000	14.9319	14.9319	2.9000e-004	2.7000e-004	15.0206

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	98812.5	5.3000e-004	4.5500e-003	1.9400e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	5.2730	5.2730	1.0000e-004	1.0000e-004	5.3044
Health Club	181000	9.8000e-004	8.8700e-003	7.4500e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	9.6589	9.6589	1.9000e-004	1.8000e-004	9.7163
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.5100e-003	0.0134	9.3900e-003	8.0000e-005		1.0400e-003	1.0400e-003		1.0400e-003	1.0400e-003	0.0000	14.9319	14.9319	2.9000e-004	2.8000e-004	15.0206

The Bond Project - Existing - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	98812.5	5.3000e-004	4.5500e-003	1.9400e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	5.2730	5.2730	1.0000e-004	1.0000e-004	5.3044
Health Club	181000	9.8000e-004	8.8700e-003	7.4500e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	9.6589	9.6589	1.9000e-004	1.8000e-004	9.7163
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.5100e-003	0.0134	9.3900e-003	8.0000e-005		1.0400e-003	1.0400e-003		1.0400e-003	1.0400e-003	0.0000	14.9319	14.9319	2.9000e-004	2.8000e-004	15.0206

The Bond Project - Existing - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	28826.9	8.2132	3.8000e-004	8.0000e-005	8.2461
Health Club	111000	31.6256	1.4600e-003	3.0000e-004	31.7521
Parking Lot	3780	1.0770	5.0000e-005	1.0000e-005	1.0813
Parking Lot	6300	1.7950	8.0000e-005	2.0000e-005	1.8022
Total		42.7107	1.9700e-003	4.1000e-004	42.8816

The Bond Project - Existing - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	28826.9	8.2132	3.8000e-004	8.0000e-005	8.2461
Health Club	111000	31.6256	1.4600e-003	3.0000e-004	31.7521
Parking Lot	3780	1.0770	5.0000e-005	1.0000e-005	1.0813
Parking Lot	6300	1.7950	8.0000e-005	2.0000e-005	1.8022
Total		42.7107	1.9700e-003	4.1000e-004	42.8816

6.0 Area Detail**6.1 Mitigation Measures Area**

The Bond Project - Existing - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0600	8.5000e-004	0.0736	0.0000		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	0.1200	0.1200	1.2000e-004	0.0000	0.1230
Unmitigated	0.0600	8.5000e-004	0.0736	0.0000		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	0.1200	0.1200	1.2000e-004	0.0000	0.1230

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	6.2000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0514					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3200e-003	8.5000e-004	0.0736	0.0000		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	0.1200	0.1200	1.2000e-004	0.0000	0.1230
Total	0.0600	8.5000e-004	0.0736	0.0000		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	0.1200	0.1200	1.2000e-004	0.0000	0.1230

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	6.2000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0514					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3200e-003	8.5000e-004	0.0736	0.0000		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	0.1200	0.1200	1.2000e-004	0.0000	0.1230
Total	0.0600	8.5000e-004	0.0736	0.0000		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	0.1200	0.1200	1.2000e-004	0.0000	0.1230

7.0 Water Detail

7.1 Mitigation Measures Water

The Bond Project - Existing - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	6.3143	1.5500e-003	8.6000e-004	6.6102
Unmitigated	6.3143	1.5500e-003	8.6000e-004	6.6102

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0.456078 / 0.287528	2.7635	6.8000e-004	3.8000e-004	2.8924
Health Club	0.591431 / 0.36249	3.5508	8.7000e-004	4.9000e-004	3.7178
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		6.3143	1.5500e-003	8.7000e-004	6.6102

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0.456078 / 0.287528	2.7635	6.8000e-004	3.8000e-004	2.8924
Health Club	0.591431 / 0.36249	3.5508	8.7000e-004	4.9000e-004	3.7178
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		6.3143	1.5500e-003	8.7000e-004	6.6102

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.1121	0.3612	0.0000	15.1424
Unmitigated	12.2241	0.7224	0.0000	30.2847

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	3.22	0.6536	0.0386	0.0000	1.6193
Health Club	57	11.5705	0.6838	0.0000	28.6654
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		12.2241	0.7224	0.0000	30.2847

The Bond Project - Existing - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1.61	0.3268	0.0193	0.0000	0.8097
Health Club	28.5	5.7852	0.3419	0.0000	14.3327
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		6.1121	0.3612	0.0000	15.1424

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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The Bond Project - Existing - Los Angeles-South Coast County, Annual

11.0 Vegetation

Construction Worker Gasoline Demand

Phase	Trips	Vehicle CO₂ (MT)	Kg/CO₂/Gallon	Gallons
Phase 1 Demolition / Shoring & Sound Wall	60	0.31	8.78	34.93
Phase 2 Demolition / Disassembly	80	0.41	8.78	46.57
Grading / Site Preparation	1,360	6.95	8.78	791.65
Parking / Foundation	2,080	10.61	8.78	1,207.86
Superstructure / Framing	12,400	61.36	8.78	6,988.38
Common Areas / Shell / Roofing	12,400	61.36	8.78	6,988.38
Exterior Finishes / Interiors / TI / Landscaping	1,250	6.19	8.78	704.48
Total				16,762.26

Phase	Trips	Vehicle CO₂ (MT)	Kg/CO₂/Gallon	Gallons
Phase 1 Demolition / Shoring & Sound Wall	0	0.00	10.21	0.00
Phase 2 Demolition / Disassembly	0	0.00	10.21	0.00
Grading / Site Preparation	0	0.00	10.21	0.00
Parking / Foundation	160	1.99	10.21	194.85
Superstructure / Framing	3,600	44.44	10.21	4,352.34
Common Areas / Shell / Roofing	3,600	44.44	10.21	4,352.34
Exterior Finishes / Interiors / TI / Landscaping	100	1.23	10.21	120.90
Total				9,020.43

Construction Haul Diesel Demand

Phase	Trips	Vehicle CO₂ (MT)	Kg/CO₂/Gallon	Gallons
Phase 1 Demolition / Shoring & Sound Wall	0	0.00	10.21	0.00
Phase 2 Demolition / Disassembly	802	43.10	10.21	4,221.54
Grading / Site Preparation	7,384	396.84	10.21	38,867.63
Parking / Foundation	0	0.00	10.21	0.00
Superstructure / Framing	0	0.00	10.21	0.00
Common Areas / Shell / Roofing	0	0.00	10.21	0.00
Exterior Finishes / Interiors / TI / Landscaping	0	0.00	10.21	0.00
Total				43,089.17

Construction Equipment Diesel Demand

Phase	Pieces of Equipment	Equipment CO ₂ (MT)	Kg/CO ₂ /Gallon	Gallons
Phase 1 Demolition / Shoring & Sound Wall	1	3.00	10.21	293.98
Phase 2 Demolition / Disassembly	1	2.41	10.21	235.73
Grading / Site Preparation	6	105.20	10.21	10,303.79
Parking / Foundation	10	74.02	10.21	7,250.12
Superstructure / Framing	8	66.38	10.21	6,501.39
Common Areas / Shell / Roofing	8	66.38	10.21	6,501.39
Exterior Finishes / Interiors / TI / Landscaping	2	14.92	10.21	1,461.26
Total				32,547.66

Construction Equipment Usage

Phase	Hours of Equipment Use
Phase 1 Demolition / Shoring & Sound Wall	105
Phase 2 Demolition / Disassembly	140
Grading / Site Preparation	3,655
Parking / Foundation	5,600
Superstructure / Framing	5,600
Common Areas / Shell / Roofing	5,600
Exterior Finishes / Interiors / TI / Landscaping	700
Total	21,400

Mobile Source Gasoline Demand

Scenario	Vehicle MT CO ₂		
Proposed Project Mobile Emissions	1503.46		
Existing Scenario Mobile Emissions	326.57		
Fuel Type	Vehicle MT CO ₂	Kg/CO ₂ /Gallon	Gallons
Proposed Project Gasoline	1,378.81	8.78	157,040
Proposed Project Diesel	124.65	10.21	12,209
<i>Proposed Project Total</i>			<i>169,249</i>
Existing Scenario Gasoline	303.32	8.78	34,547
Existing Scenario Diesel	23.25	10.21	2,277
<i>Existing Scenario Total</i>			<i>36,823</i>
<i>Net Change</i>			<i>132,425</i>

Scenario	Electricity kWh/yr	NG kBtu/yr
Proposed Project	1,572,871	3,071,276
Existing Scenario	149,907	279,813
<i>Net Change</i>	<i>1,422,964</i>	<i>2,791,463</i>