

APPENDIX C

Air Quality and Greenhouse Gas Impact Analysis Data

**Robertson Lane Hotel Project
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	230.34	1000sqft	1.20	230,335.00	0
High Turnover (Sit Down Restaurant)	3.78	1000sqft	0.00	3,780.00	0
Hotel	241.00	Room	4.10	221,435.00	0
Quality Restaurant	33.30	1000sqft	0.00	33,300.00	0
Regional Shopping Center	10.32	1000sqft	0.00	10,325.00	0
Strip Mall	18.13	1000sqft	0.00	18,130.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	503.21	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Revised CO2 Intensity Factor based on 33% RPS Standard by 2020

Land Use - Land Uses based on Trip Gen Table and Project Description. Strip mall represents retail. Regional shopping represents design showroom. High Turnover Restaurant represents Nightclub.

Construction Phase - Construction Schedule provided in Project Description.

Off-road Equipment - Default equipment assumed.

Trips and VMT - Revised. Vendor trips - 0.1639 per 1,000 sq ft = 48 trips per day for hotel, 38 for parking garage. Worker trips - hotel site (commercial retail trip rate): 0.32 = 92 trips; parking (office industrial trip rate): 0.42 = 98 trips.

Demolition - Demolition - 8,000 CY / 16 CY = 500 trucks * 2 = 1,000 one-way haul trips

Grading - Revised per Project Description material export

Architectural Coating - Non-res Interior and Exterior VOC modified to 50 and 100 g/L per SCAQMD Rule 1113. Modified non-residential interior and exterior area to be coated based on CalEEMod architectural coating surface area equations and an adjustment for parking.

Vehicle Trips - Regional Shopping Center represents Design Showroom trip rates in TIA. Strip mall represents Retail trip rates in TIA. Saturday and Sunday trip rates based on default model ratio to weekday rate.

Area Coating - Non-res Interior and Exterior VOC modified to 50 and 100 g/L per SCAQMD Rule 1113. Modified non-residential interior and exterior area to be coated based on CalEEMod architectural coating surface area equations and an adjustment for parking.

Construction Off-road Equipment Mitigation - Water exposed area 3x per day per SCAQMD Rule 403 (not mitigation). Earthmoving Equip > 150 hp have Tier 3 engines (mitigation)

Energy Mitigation - 25% above Title 24 to match 2013 Title 24 standards (25% reduction versus 2008 standards) (not mitigation)

Waste Mitigation - 75% waste diversion consistent with AB 341 (not mitigation)

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	258,653.00	157,305.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	775,958.00	430,455.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_Nonresidential_Exterior	258653	157305
tblAreaCoating	Area_Nonresidential_Interior	775958	430455
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	230.00	87.00
tblConstructionPhase	NumDays	230.00	346.00

tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	20.00	125.00
tblConstructionPhase	NumDays	20.00	131.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	PhaseEndDate	2/19/2018	1/23/2018
tblConstructionPhase	PhaseEndDate	7/22/2019	8/19/2019
tblConstructionPhase	PhaseEndDate	11/10/2017	10/19/2017
tblConstructionPhase	PhaseEndDate	7/25/2018	4/21/2018
tblConstructionPhase	PhaseEndDate	6/20/2018	3/23/2018
tblConstructionPhase	PhaseStartDate	10/20/2017	9/23/2017
tblConstructionPhase	PhaseStartDate	3/24/2018	4/22/2018
tblConstructionPhase	PhaseStartDate	9/23/2017	9/1/2017
tblConstructionPhase	PhaseStartDate	1/24/2018	10/20/2017
tblConstructionPhase	PhaseStartDate	4/22/2018	1/24/2018
tblGrading	MaterialExported	0.00	46,800.00
tblGrading	MaterialExported	0.00	110,700.00
tblGrading	MaterialExported	0.00	9,300.00
tblLandUse	LandUseSquareFeet	230,340.00	230,335.00
tblLandUse	LandUseSquareFeet	349,932.00	221,435.00
tblLandUse	LandUseSquareFeet	10,320.00	10,325.00
tblLandUse	LotAcreage	5.29	1.20
tblLandUse	LotAcreage	0.09	0.00
tblLandUse	LotAcreage	8.03	4.10
tblLandUse	LotAcreage	0.76	0.00
tblLandUse	LotAcreage	0.24	0.00
tblLandUse	LotAcreage	0.42	0.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	503.21
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripNumber	396.00	1,000.00
tblTripsAndVMT	VendorTripNumber	85.00	38.00
tblTripsAndVMT	VendorTripNumber	85.00	48.00
tblTripsAndVMT	WorkerTripNumber	214.00	98.00

tblTripsAndVMT	WorkerTripNumber	214.00	92.00
tblVehicleTrips	ST_TR	158.37	169.64
tblVehicleTrips	ST_TR	49.97	5.89
tblVehicleTrips	SU_TR	131.84	141.22
tblVehicleTrips	SU_TR	25.24	2.97
tblVehicleTrips	WD_TR	127.15	136.20
tblVehicleTrips	WD_TR	42.94	5.06

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	9.2032	98.9356	78.1119	0.1590	12.1787	4.4535	16.4584	4.8259	4.1217	8.7975	0.0000	15,565.1750	15,565.1750	2.1001	0.0000	15,609.2775
2018	8.3974	95.1483	78.5783	0.1623	16.7617	3.9469	20.7086	7.6935	3.6311	11.3247	0.0000	15,949.2615	15,949.2615	1.9552	0.0000	15,990.3205
2019	69.4813	24.7200	26.8474	0.0498	1.3279	1.3467	2.6746	0.3580	1.2651	1.6231	0.0000	4,525.0904	4,525.0904	0.7070	0.0000	4,539.9363
Total	87.0819	218.8039	183.5376	0.3711	30.2684	9.7471	39.8417	12.8774	9.0179	21.7452	0.0000	36,039.5269	36,039.5269	4.7623	0.0000	36,139.5343

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.7496	72.6578	73.4801	0.1590	8.1235	3.1374	11.2609	2.7629	2.9614	5.7243	0.0000	15,565.1750	15,565.1750	2.1001	0.0000	15,609.2775
2018	6.1354	68.0095	71.7395	0.1623	8.6947	2.7665	11.1609	3.5741	2.6161	5.9103	0.0000	15,949.2615	15,949.2615	1.9552	0.0000	15,990.3205
2019	69.4813	21.9242	27.5141	0.0498	1.3279	1.2177	2.5457	0.3580	1.1535	1.5115	0.0000	4,525.0904	4,525.0904	0.7070	0.0000	4,539.9363
Total	82.3663	162.5915	172.7338	0.3711	18.1461	7.1217	24.9674	6.6950	6.7310	13.1462	0.0000	36,039.5269	36,039.5269	4.7623	0.0000	36,139.5343

	ROG	NOx	CO	SO2	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	5.42	25.69	5.89	0.00	40.05	26.94	37.33	48.01	25.36	39.54	0.00	0.00	0.00	0.00	0.00	0.00

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	10.7209	5.1000e-004	0.0552	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1175	0.1175	3.2000e-004		0.1241
Energy	0.4204	3.8218	3.2103	0.0229		0.2905	0.2905		0.2905	0.2905		4,586.2008	4,586.2008	0.0879	0.0841	4,614.1117
Mobile	17.4505	35.0233	153.2714	0.3711	24.8918	0.5377	25.4294	6.6569	0.4959	7.1528		28,838.2605	28,838.2605	1.1311		28,862.0125
Total	28.5918	38.8457	156.5370	0.3941	24.8918	0.8283	25.7201	6.6569	0.7866	7.4435		33,424.5788	33,424.5788	1.2193	0.0841	33,476.2483

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	10.7209	5.1000e-004	0.0552	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1175	0.1175	3.2000e-004		0.1241
Energy	0.3735	3.3952	2.8520	0.0204		0.2580	0.2580		0.2580	0.2580		4,074.2881	4,074.2881	0.0781	0.0747	4,099.0836
Mobile	17.4505	35.0233	153.2714	0.3711	24.8918	0.5377	25.4294	6.6569	0.4959	7.1528		28,838.2605	28,838.2605	1.1311		28,862.0125
Total	28.5449	38.4191	156.1786	0.3915	24.8918	0.7959	25.6877	6.6569	0.7542	7.4111		32,912.6661	32,912.6661	1.2095	0.0747	32,961.2202

	ROG	NOx	CO	SO2	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	0.16	1.10	0.23	0.65	0.00	3.91	0.13	0.00	4.12	0.44	0.00	1.53	1.53	0.80	11.16	1.54

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Parking - Grading and Site Prep	Grading	4/1/2017	9/22/2017	5	125	
2	Hotel Site Demo	Demolition	9/1/2017	10/19/2017	5	35	
3	Parking - Garage Construction	Building Construction	9/23/2017	1/23/2018	5	87	
4	Hotel Site - Grading and Site Prep	Grading	10/20/2017	4/21/2018	5	131	
5	Parking - Backfill and Site Grading	Grading	1/24/2018	3/23/2018	5	43	
6	Hotel Site - Building Construction	Building Construction	4/22/2018	8/19/2019	5	346	
7	Hotel and parking - Architectural Coating	Architectural Coating	8/20/2019	9/23/2019	5	25	
8	Surface Paved Areas	Paving	9/24/2019	10/21/2019	5	20	

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: 430,455; Non-Residential Outdoor: 157,305 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Parking - Grading and Site Prep	Excavators	1	8.00	162	0.38
Parking - Grading and Site Prep	Graders	1	8.00	174	0.41
Parking - Grading and Site Prep	Rubber Tired Dozers	1	8.00	255	0.40
Parking - Grading and Site Prep	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel Site Demo	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel Site Demo	Excavators	3	8.00	162	0.38
Hotel Site Demo	Rubber Tired Dozers	2	8.00	255	0.40
Parking - Garage Construction	Cranes	1	7.00	226	0.29
Parking - Garage Construction	Forklifts	3	8.00	89	0.20
Parking - Garage Construction	Generator Sets	1	8.00	84	0.74
Parking - Garage Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37

Parking - Garage Construction	Welders	1	8.00	46	0.45
Hotel Site - Grading and Site Prep	Excavators	1	8.00	162	0.38
Hotel Site - Grading and Site Prep	Graders	1	8.00	174	0.41
Hotel Site - Grading and Site Prep	Rubber Tired Dozers	1	8.00	255	0.40
Hotel Site - Grading and Site Prep	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Parking - Backfill and Site Grading	Excavators	1	8.00	162	0.38
Parking - Backfill and Site Grading	Graders	1	8.00	174	0.41
Parking - Backfill and Site Grading	Rubber Tired Dozers	1	8.00	255	0.40
Parking - Backfill and Site Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel Site - Building Construction	Cranes	1	7.00	226	0.29
Hotel Site - Building Construction	Forklifts	3	8.00	89	0.20
Hotel Site - Building Construction	Generator Sets	1	8.00	84	0.74
Hotel Site - Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel Site - Building Construction	Welders	1	8.00	46	0.45
Hotel and parking - Architectural Coating	Air Compressors	1	6.00	78	0.48
Surface Paved Areas	Pavers	2	8.00	125	0.42
Surface Paved Areas	Paving Equipment	2	8.00	130	0.36
Surface Paved Areas	Rollers	2	8.00	80	0.38

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
Parking - Grading and Site Prep	6	15.00	0.00	5,850.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hotel Site Demo	6	15.00	0.00	1,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Parking - Garage Construction	9	98.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hotel Site - Grading and Site Prep	6	15.00	0.00	13,838.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Parking - Backfill and Site Grading	6	15.00	0.00	1,163.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hotel Site - Building Construction	9	92.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hotel and parking - Architectural Coating	1	43.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Surface Paved Areas	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Clean Paved Roads

3.2 Parking - Grading and Site Prep - 2017

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					6.5947	0.0000	6.5947	3.3739	0.0000	3.3739			0.0000			0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757		3,043.6667	3,043.6667	0.9326		3,063.2507
Total	3.4555	35.9825	25.3812	0.0297	6.5947	2.0388	8.6335	3.3739	1.8757	5.2496		3,043.6667	3,043.6667	0.9326		3,063.2507

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	0.8215	12.4728	10.4107	0.0349	0.8152	0.1779	0.9930	0.2232	0.1636	0.3868		3,457.2234	3,457.2234	0.0259		3,457.7668
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	0.0623	0.0843	0.8817	2.0600e-003	0.1677	1.5200e-003	0.1692	0.0445	1.4000e-003	0.0459		167.4803	167.4803	9.2800e-003		167.6751
Total	0.8839	12.5571	11.2923	0.0369	0.9828	0.1794	1.1622	0.2677	0.1650	0.4327		3,624.7037	3,624.7037	0.0352		3,625.4419

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					2.5719	0.0000	2.5719	1.3158	0.0000	1.3158			0.0000			0.0000
Off-Road	1.4475	18.7432	20.5315	0.0297		1.1076	1.1076		1.0526	1.0526	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507
Total	1.4475	18.7432	20.5315	0.0297	2.5719	1.1076	3.6795	1.3158	1.0526	2.3685	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507

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	0.8215	12.4728	10.4107	0.0349	0.8152	0.1779	0.9930	0.2232	0.1636	0.3868		3,457.2234	3,457.2234	0.0259		3,457.7668
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	0.0623	0.0843	0.8817	2.0600e-003	0.1677	1.5200e-003	0.1692	0.0445	1.4000e-003	0.0459		167.4803	167.4803	9.2800e-003		167.6751
Total	0.8839	12.5571	11.2923	0.0369	0.9828	0.1794	1.1622	0.2677	0.1650	0.4327		3,624.7037	3,624.7037	0.0352		3,625.4419

3.3 Hotel Site Demo - 2017

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					2.4456	0.0000	2.4456	0.3703	0.0000	0.3703			0.0000			0.0000

Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399	2.4456	2.1252	4.5708	0.3703	1.9797	2.3500		4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.5016	7.6146	6.3557	0.0213	0.4977	0.1086	0.6062	0.1363	0.0999	0.2362		2,110.6370	2,110.6370	0.0158		2,110.9688
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	0.0623	0.0843	0.8817	2.0600e-003	0.1677	1.5200e-003	0.1692	0.0445	1.4000e-003	0.0459		167.4803	167.4803	9.2800e-003		167.6751
Total	0.5639	7.6990	7.2374	0.0233	0.6653	0.1101	0.7754	0.1807	0.1013	0.2820		2,278.1173	2,278.1173	0.0251		2,278.6439

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					0.9538	0.0000	0.9538	0.1444	0.0000	0.1444			0.0000			0.0000
Off-Road	1.4035	20.1651	25.1554	0.0399		0.9880	0.9880		0.9880	0.9880	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211
Total	1.4035	20.1651	25.1554	0.0399	0.9538	0.9880	1.9418	0.1444	0.9880	1.1324	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.5016	7.6146	6.3557	0.0213	0.4977	0.1086	0.6062	0.1363	0.0999	0.2362		2,110.6370	2,110.6370	0.0158		2,110.9688
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	0.0623	0.0843	0.8817	2.0600e-003	0.1677	1.5200e-003	0.1692	0.0445	1.4000e-003	0.0459		167.4803	167.4803	9.2800e-003		167.6751
Total	0.5639	7.6990	7.2374	0.0233	0.6653	0.1101	0.7754	0.1807	0.1013	0.2820		2,278.1173	2,278.1173	0.0251		2,278.6439

3.4 Parking - Garage Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490

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	0.3215	3.1059	4.4615	8.2800e-003	0.2371	0.0468	0.2839	0.0675	0.0430	0.1105		816.6224	816.6224	6.1200e-003		816.7510
Worker	0.4072	0.5509	5.7601	0.0134	1.0954	9.9200e-003	1.1053	0.2905	9.1500e-003	0.2997		1,094.2047	1,094.2047	0.0606		1,095.4773
Total	0.7287	3.6568	10.2216	0.0217	1.3325	0.0567	1.3892	0.3580	0.0522	0.4102		1,910.8272	1,910.8272	0.0667		1,912.2283

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6568	22.0208	18.3471	0.0268		1.5701	1.5701		1.4859	1.4859	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
Total	2.6568	22.0208	18.3471	0.0268		1.5701	1.5701		1.4859	1.4859	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490

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	0.3215	3.1059	4.4615	8.2800e-003	0.2371	0.0468	0.2839	0.0675	0.0430	0.1105		816.6224	816.6224	6.1200e-003		816.7510
Worker	0.4072	0.5509	5.7601	0.0134	1.0954	9.9200e-003	1.1053	0.2905	9.1500e-003	0.2997		1,094.2047	1,094.2047	0.0606		1,095.4773
Total	0.7287	3.6568	10.2216	0.0217	1.3325	0.0567	1.3892	0.3580	0.0522	0.4102		1,910.8272	1,910.8272	0.0667		1,912.2283

3.4 Parking - Garage Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

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	0.3017	2.8543	4.2902	8.2700e-003	0.2371	0.0441	0.2812	0.0675	0.0405	0.1080		803.1219	803.1219	6.1000e-003		803.2499
Worker	0.3657	0.5000	5.2112	0.0134	1.0954	9.6100e-003	1.1050	0.2905	8.8900e-003	0.2994		1,054.0799	1,054.0799	0.0563		1,055.2619
Total	0.6674	3.3543	9.5014	0.0217	1.3325	0.0537	1.3862	0.3580	0.0494	0.4074		1,857.2018	1,857.2018	0.0624		1,858.5118

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3015	19.7684	18.0035	0.0268		1.3306	1.3306		1.2613	1.2613	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

Total	2.3015	19.7684	18.0035	0.0268		1.3306	1.3306		1.2613	1.2613	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
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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	0.3017	2.8543	4.2902	8.2700e-003	0.2371	0.0441	0.2812	0.0675	0.0405	0.1080		803.1219	803.1219	6.1000e-003		803.2499
Worker	0.3657	0.5000	5.2112	0.0134	1.0954	9.6100e-003	1.1050	0.2905	8.8900e-003	0.2994		1,054.0799	1,054.0799	0.0563		1,055.2619
Total	0.6674	3.3543	9.5014	0.0217	1.3325	0.0537	1.3862	0.3580	0.0494	0.4074		1,857.2018	1,857.2018	0.0624		1,858.5118

3.5 Hotel Site - Grading and Site Prep - 2017

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					6.6479	0.0000	6.6479	3.3820	0.0000	3.3820			0.0000			0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757		3,043.6667	3,043.6667	0.9326		3,063.2507
Total	3.4555	35.9825	25.3812	0.0297	6.6479	2.0388	8.6867	3.3820	1.8757	5.2577		3,043.6667	3,043.6667	0.9326		3,063.2507

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	1.8543	28.1526	23.4983	0.0787	4.0306	0.4015	4.4321	1.0415	0.3693	1.4108		7,803.3955	7,803.3955	0.0584		7,804.6221
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	0.0623	0.0843	0.8817	2.0600e-003	0.1677	1.5200e-003	0.1692	0.0445	1.4000e-003	0.0459		167.4803	167.4803	9.2800e-003		167.6751
Total	1.9166	28.2369	24.3799	0.0807	4.1983	0.4030	4.6013	1.0860	0.3707	1.4567		7,970.8758	7,970.8758	0.0677		7,972.2972

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					2.5927	0.0000	2.5927	1.3190	0.0000	1.3190			0.0000			0.0000
Off-Road	1.4475	18.7432	20.5315	0.0297		1.1076	1.1076		1.0526	1.0526	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507
Total	1.4475	18.7432	20.5315	0.0297	2.5927	1.1076	3.7003	1.3190	1.0526	2.3716	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507

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	1.8543	28.1526	23.4983	0.0787	4.0306	0.4015	4.4321	1.0415	0.3693	1.4108		7,803.3955	7,803.3955	0.0584		7,804.6221

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	0.0623	0.0843	0.8817	2.0600e-003	0.1677	1.5200e-003	0.1692	0.0445	1.4000e-003	0.0459		167.4803	167.4803	9.2800e-003		167.6751
Total	1.9166	28.2369	24.3799	0.0807	4.1983	0.4030	4.6013	1.0860	0.3707	1.4567		7,970.8758	7,970.8758	0.0677		7,972.2972

3.5 Hotel Site - Grading and Site Prep - 2018

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					6.6479	0.0000	6.6479	3.3820	0.0000	3.3820			0.0000				0.0000
Off-Road	3.0028	31.0702	23.9988	0.0297		1.7201	1.7201		1.5825	1.5825		2,993.1005	2,993.1005	0.9318			3,012.6681
Total	3.0028	31.0702	23.9988	0.0297	6.6479	1.7201	8.3680	3.3820	1.5825	4.9644		2,993.1005	2,993.1005	0.9318			3,012.6681

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	1.8151	26.1575	23.0769	0.0786	2.7306	0.4011	3.1316	0.7224	0.3690	1.0914		7,675.2147	7,675.2147	0.0592			7,676.4582
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	0.0560	0.0765	0.7976	2.0600e-003	0.1677	1.4700e-003	0.1691	0.0445	1.3600e-003	0.0458		161.3388	161.3388	8.6200e-003			161.5197
Total	1.8710	26.2341	23.8745	0.0807	2.8982	0.4026	3.3008	0.7669	0.3704	1.1373		7,836.5535	7,836.5535	0.0678			7,837.9778

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					2.5927	0.0000	2.5927	1.3190	0.0000	1.3190			0.0000			0.0000
Off-Road	1.2955	17.5008	20.3601	0.0297		0.9797	0.9797		0.9350	0.9350	0.0000	2,993.1005	2,993.1005	0.9318		3,012.6681
Total	1.2955	17.5008	20.3601	0.0297	2.5927	0.9797	3.5724	1.3190	0.9350	2.2540	0.0000	2,993.1005	2,993.1005	0.9318		3,012.6681

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	1.8151	26.1575	23.0769	0.0786	2.7306	0.4011	3.1316	0.7224	0.3690	1.0914		7,675.2147	7,675.2147	0.0592		7,676.4582
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	0.0560	0.0765	0.7976	2.0600e-003	0.1677	1.4700e-003	0.1691	0.0445	1.3600e-003	0.0458		161.3388	161.3388	8.6200e-003		161.5197
Total	1.8710	26.2341	23.8745	0.0807	2.8982	0.4026	3.3008	0.7669	0.3704	1.1373		7,836.5535	7,836.5535	0.0678		7,837.9778

3.6 Parking - Backfill and Site Grading - 2018

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					6.5768	0.0000	6.5768	3.3712	0.0000	3.3712			0.0000			0.0000

Off-Road	3.0028	31.0702	23.9988	0.0297		1.7201	1.7201		1.5825	1.5825		2,993.1005	2,993.1005	0.9318		3,012.6681
Total	3.0028	31.0702	23.9988	0.0297	6.5768	1.7201	8.2969	3.3712	1.5825	4.9537		2,993.1005	2,993.1005	0.9318		3,012.6681

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	0.4647	6.6974	5.9086	0.0201	0.4712	0.1027	0.5739	0.1290	0.0945	0.2235		1,965.1684	1,965.1684	0.0152		4,965.4867
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	0.0560	0.0765	0.7976	2.0600e-003	0.1677	1.4700e-003	0.1691	0.0445	1.3600e-003	0.0458		161.3388	161.3388	8.6200e-003		161.5197
Total	0.5207	6.7739	6.7063	0.0222	0.6388	0.1042	0.7430	0.1735	0.0958	0.2693		2,126.5071	2,126.5071	0.0238		2,127.0064

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					2.5650	0.0000	2.5650	1.3148	0.0000	1.3148			0.0000			0.0000
Off-Road	1.2955	17.5008	20.3601	0.0297		0.9797	0.9797		0.9350	0.9350	0.0000	2,993.1005	2,993.1005	0.9318		3,012.6681
Total	1.2955	17.5008	20.3601	0.0297	2.5650	0.9797	3.5447	1.3148	0.9350	2.2498	0.0000	2,993.1005	2,993.1005	0.9318		3,012.6681

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	0.4647	6.6974	5.9086	0.0201	0.4712	0.1027	0.5739	0.1290	0.0945	0.2235		1,965.1684	1,965.1684	0.0152		1,965.4867
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	0.0560	0.0765	0.7976	2.0600e-003	0.1677	1.4700e-003	0.1691	0.0445	1.3600e-003	0.0458		161.3388	161.3388	8.6200e-003		161.5197
Total	0.5207	6.7739	6.7063	0.0222	0.6388	0.1042	0.7430	0.1735	0.0958	0.2693		2,126.5071	2,126.5071	0.0238		2,127.0064

3.7 Hotel Site - Building Construction - 2018
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

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	0.3811	3.6054	5.4192	0.0105	0.2995	0.0557	0.3552	0.0852	0.0512	0.1364		1,014.4698	1,014.4698	7.7000e-003		1,014.6315
Worker	0.3434	0.4694	4.8922	0.0126	1.0283	9.0200e-003	1.0374	0.2727	8.3500e-003	0.2811		989.5444	989.5444	0.0528		990.6540
Total	0.7244	4.0748	10.3113	0.0231	1.3279	0.0647	1.3925	0.3580	0.0595	0.4175		2,004.0142	2,004.0142	0.0605		2,005.2855

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3015	19.7684	18.0035	0.0268		1.3306	1.3306		1.2613	1.2613	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
Total	2.3015	19.7684	18.0035	0.0268		1.3306	1.3306		1.2613	1.2613	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

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	0.3811	3.6054	5.4192	0.0105	0.2995	0.0557	0.3552	0.0852	0.0512	0.1364		1,014.4698	1,014.4698	7.7000e-003		1,014.6315
Worker	0.3434	0.4694	4.8922	0.0126	1.0283	9.0200e-003	1.0374	0.2727	8.3500e-003	0.2811		989.5444	989.5444	0.0528		990.6540
Total	0.7244	4.0748	10.3113	0.0231	1.3279	0.0647	1.3925	0.3580	0.0595	0.4175		2,004.0142	2,004.0142	0.0605		2,005.2855

3.7 Hotel Site - 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	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479

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	0.3611	3.3246	5.2478	0.0104	0.2996	0.0529	0.3524	0.0853	0.0486	0.1339		993.6174	993.6174	7.5400e-003		993.7757
Worker	0.3153	0.4304	4.4792	0.0126	1.0283	8.8000e-003	1.0371	0.2727	8.1500e-003	0.2809		950.7113	950.7113	0.0494		951.7484
Total	0.6763	3.7550	9.7270	0.0230	1.3279	0.0617	1.3896	0.3580	0.0568	0.4148		1,944.3287	1,944.3287	0.0569		1,945.5241

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0415	18.1692	17.7871	0.0268		1.1561	1.1561		1.0967	1.0967	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479

Total	2.0415	18.1692	17.7871	0.0268		1.1561	1.1561		1.0967	1.0967	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
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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	0.3611	3.3246	5.2478	0.0104	0.2996	0.0529	0.3524	0.0853	0.0486	0.1339		993.6174	993.6174	7.5400e-003		993.7757
Worker	0.3153	0.4304	4.4792	0.0126	1.0283	8.8000e-003	1.0371	0.2727	8.1500e-003	0.2809		950.7113	950.7113	0.0494		951.7484
Total	0.6763	3.7550	9.7270	0.0230	1.3279	0.0617	1.3896	0.3580	0.0568	0.4148		1,944.3287	1,944.3287	0.0569		1,945.5241

3.8 Hotel and parking - Architectural Coating - 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					
Archit. Coating	69.0675					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	69.3340	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473

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	0.1474	0.2012	2.0936	5.8700e-003	0.4806	4.1100e-003	0.4848	0.1275	3.8100e-003	0.1313		444.3542	444.3542	0.0231		444.8389
Total	0.1474	0.2012	2.0936	5.8700e-003	0.4806	4.1100e-003	0.4848	0.1275	3.8100e-003	0.1313		444.3542	444.3542	0.0231		444.8389

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	69.0675					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	69.3340	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000
Worker	0.1474	0.2012	2.0936	5.8700e-003	0.4806	4.1100e-003	0.4848	0.1275	3.8100e-003	0.1313		444.3542	444.3542	0.0231		444.8389
Total	0.1474	0.2012	2.0936	5.8700e-003	0.4806	4.1100e-003	0.4848	0.1275	3.8100e-003	0.1313		444.3542	444.3542	0.0231		444.8389

3.9 Surface Paved Areas - 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	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989		2,223.6499
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989		2,223.6499

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	0.0514	0.0702	0.7303	2.0500e-003	0.1677	1.4300e-003	0.1691	0.0445	1.3300e-003	0.0458		155.0073	155.0073	8.0500e-003		155.1764
Total	0.0514	0.0702	0.7303	2.0500e-003	0.1677	1.4300e-003	0.1691	0.0445	1.3300e-003	0.0458		155.0073	155.0073	8.0500e-003		155.1764

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447	0.0000	2,208.9731	2,208.9731	0.6989		2,223.6499
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447	0.0000	2,208.9731	2,208.9731	0.6989		2,223.6499

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	0.0514	0.0702	0.7303	2.0500e-003	0.1677	1.4300e-003	0.1691	0.0445	1.3300e-003	0.0458		155.0073	155.0073	8.0500e-003		155.1764
Total	0.0514	0.0702	0.7303	2.0500e-003	0.1677	1.4300e-003	0.1691	0.0445	1.3300e-003	0.0458		155.0073	155.0073	8.0500e-003		155.1764

4.0 Operational Detail - Mobile

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
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Category	lb/day										lb/day			
Mitigated	17.4505	35.0233	153.2714	0.3711	24.8918	0.5377	25.4294	6.6569	0.4959	7.1528	28,838.2605	28,838.2605	1.1311	28,862.0125
Unmitigated	17.4505	35.0233	153.2714	0.3711	24.8918	0.5377	25.4294	6.6569	0.4959	7.1528	28,838.2605	28,838.2605	1.1311	28,862.0125

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	514.84	641.24	533.81	729,938	729,938
Hotel	1,968.97	1,973.79	1433.95	4,517,564	4,517,564
Quality Restaurant	2,995.34	3,142.19	2402.93	4,173,638	4,173,638
Regional Shopping Center	52.22	60.78	30.65	108,924	108,924
Strip Mall	803.52	762.19	370.40	1,399,818	1,399,818
Total	6,334.88	6,580.19	4,771.74	10,929,882	10,929,882

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
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
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.530094	0.057664	0.178835	0.124843	0.039181	0.006319	0.017052	0.034445	0.002509	0.003148	0.003693	0.000531	0.001685

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	0.3735	3.3952	2.8520	0.0204		0.2580	0.2580		0.2580	0.2580		4,074.2881	4,074.2881	0.0781	0.0747	4,099.0836
Natural Gas Unmitigated	0.4204	3.8218	3.2103	0.0229		0.2905	0.2905		0.2905	0.2905		4,586.2008	4,586.2008	0.0879	0.0841	4,614.1117

5.2 Energy by Land Use - Natural Gas Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
High Turnover (Sit Down Restaurant)	2413.09	0.0260	0.2366	0.1987	1.4200e-003		0.0180	0.0180		0.0180	0.0180		283.8929	283.8929	5.4400e-003	5.2000e-003	285.6207
Hotel	15178.9	0.1637	1.4881	1.2500	8.9300e-003		0.1131	0.1131		0.1131	0.1131		1,785.7546	1,785.7546	0.0342	0.0327	1,796.6224
Quality Restaurant	21258.2	0.2293	2.0841	1.7507	0.0125		0.1584	0.1584		0.1584	0.1584		2,500.9615	2,500.9615	0.0479	0.0459	2,516.1819
Regional Shopping Center	48.089	5.2000e-004	4.7100e-003	3.9600e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		5.6575	5.6575	1.1000e-004	1.0000e-004	5.6920
Strip Mall	84.4411	9.1000e-004	8.2800e-003	6.9500e-003	5.0000e-005		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004		9.9343	9.9343	1.9000e-004	1.8000e-004	9.9947
Total		0.4204	3.8218	3.2103	0.0229		0.2905	0.2905		0.2905	0.2905		4,586.2008	4,586.2008	0.0879	0.0841	4,614.1117

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High Turnover (Sit Down Restaurant)	2.29599	0.0248	0.2251	0.1891	1.3500e-003		0.0171	0.0171		0.0171	0.0171		270.1162	270.1162	5.1800e-003	4.9500e-003	271.7601
Hotel	12	0.1294	1.1765	0.9882	7.0600e-003		0.0894	0.0894		0.0894	0.0894		1,411.7597	1,411.7597	0.0271	0.0259	1,420.3514
Quality Restaurant	20.2266	0.2181	1.9830	1.6657	0.0119		0.1507	0.1507		0.1507	0.1507		2,379.5949	2,379.5949	0.0456	0.0436	2,394.0767
Regional Shopping Center	0.039532	4.3000e-004	3.8800e-003	3.2600e-003	2.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		4.6508	4.6508	9.0000e-005	9.0000e-005	4.6791
Strip Mall	0.0694155	7.5000e-004	6.8100e-003	5.7200e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.1665	8.1665	1.6000e-004	1.5000e-004	8.2162
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
Total		0.3735	3.3953	2.8520	0.0204		0.2580	0.2580		0.2580	0.2580		4,074.2881	4,074.2881	0.0781	0.0747	4,099.0836

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.7209	5.1000e-004	0.0552	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1175	0.1175	3.2000e-004		0.1241
Unmitigated	10.7209	5.1000e-004	0.0552	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1175	0.1175	3.2000e-004		0.1241

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	0.4731					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.2426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.1900e-003	5.1000e-004	0.0552	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1175	0.1175	3.2000e-004		0.1241
Total	10.7209	5.1000e-004	0.0552	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1175	0.1175	3.2000e-004		0.1241

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	0.4731					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.2426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.1900e-003	5.1000e-004	0.0552	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1175	0.1175	3.2000e-004		0.1241
Total	10.7209	5.1000e-004	0.0552	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1175	0.1175	3.2000e-004		0.1241

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

**Robertson Lane Hotel Project
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	230.34	1000sqft	1.20	230,335.00	0
High Turnover (Sit Down Restaurant)	3.78	1000sqft	0.00	3,780.00	0
Hotel	241.00	Room	4.10	221,435.00	0
Quality Restaurant	33.30	1000sqft	0.00	33,300.00	0
Regional Shopping Center	10.32	1000sqft	0.00	10,325.00	0
Strip Mall	18.13	1000sqft	0.00	18,130.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11	Operational Year	2020		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	503.21	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Revised CO2 Intensity Factor based on 33% RPS Standard by 2020

Land Use - Land Uses based on Trip Gen Table and Project Description. Strip mall represents retail. Regional shopping represents design showroom. High Turnover Restaurant represents Nightclub.

Construction Phase - Construction Schedule provided in Project Description.

Off-road Equipment - Default equipment assumed.

Trips and VMT - Revised. Vendor trips - 0.1639 per 1,000 sq ft = 48 trips per day for hotel, 38 for parking garage. Worker trips - hotel site (commercial retail trip rate): 0.32 = 92 trips; parking (office industrial trip rate): 0.42 = 98 trips.

Demolition - Demolition - 8,000 CY / 16 CY = 500 trucks * 2 = 1,000 one-way haul trips

Grading - Revised per Project Description material export

Architectural Coating - Non-res Interior and Exterior VOC modified to 50 and 100 g/L per SCAQMD Rule 1113. Modified non-residential interior and exterior area to be coated based on CalEEMod architectural coating surface area equations and an adjustment for parking.

Vehicle Trips - Regional Shopping Center represents Design Showroom trip rates in TIA. Strip mall represents Retail trip rates in TIA. Saturday and Sunday trip rates based on default model ratio to weekday rate.

Area Coating - Non-res Interior and Exterior VOC modified to 50 and 100 g/L per SCAQMD Rule 1113. Modified non-residential interior and exterior area to be coated based on CalEEMod architectural coating surface area equations and an adjustment for parking.

Construction Off-road Equipment Mitigation - Water exposed area 3x per day per SCAQMD Rule 403 (not mitigation). Earthmoving Equip > 150 hp have Tier 3 engines (mitigation)

Energy Mitigation - 25% above Title 24 to match 2013 Title 24 standards (25% reduction versus 2008 standards) (not mitigation)

Waste Mitigation - 75% waste diversion consistent with AB 341 (not mitigation)

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	258,653.00	157,305.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	775,958.00	430,455.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_Nonresidential_Exterior	258653	157305
tblAreaCoating	Area_Nonresidential_Interior	775958	430455
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	230.00	87.00
tblConstructionPhase	NumDays	230.00	346.00

tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	20.00	125.00
tblConstructionPhase	NumDays	20.00	131.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	PhaseEndDate	2/19/2018	1/23/2018
tblConstructionPhase	PhaseEndDate	7/22/2019	8/19/2019
tblConstructionPhase	PhaseEndDate	11/10/2017	10/19/2017
tblConstructionPhase	PhaseEndDate	7/25/2018	4/21/2018
tblConstructionPhase	PhaseEndDate	6/20/2018	3/23/2018
tblConstructionPhase	PhaseStartDate	10/20/2017	9/23/2017
tblConstructionPhase	PhaseStartDate	3/24/2018	4/22/2018
tblConstructionPhase	PhaseStartDate	9/23/2017	9/1/2017
tblConstructionPhase	PhaseStartDate	1/24/2018	10/20/2017
tblConstructionPhase	PhaseStartDate	4/22/2018	1/24/2018
tblGrading	MaterialExported	0.00	46,800.00
tblGrading	MaterialExported	0.00	110,700.00
tblGrading	MaterialExported	0.00	9,300.00
tblLandUse	LandUseSquareFeet	230,340.00	230,335.00
tblLandUse	LandUseSquareFeet	349,932.00	221,435.00
tblLandUse	LandUseSquareFeet	10,320.00	10,325.00
tblLandUse	LotAcreage	5.29	1.20
tblLandUse	LotAcreage	0.09	0.00
tblLandUse	LotAcreage	8.03	4.10
tblLandUse	LotAcreage	0.76	0.00
tblLandUse	LotAcreage	0.24	0.00
tblLandUse	LotAcreage	0.42	0.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	503.21
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripNumber	396.00	1,000.00
tblTripsAndVMT	VendorTripNumber	85.00	38.00
tblTripsAndVMT	VendorTripNumber	85.00	48.00
tblTripsAndVMT	WorkerTripNumber	214.00	98.00

tblTripsAndVMT	WorkerTripNumber	214.00	92.00
tblVehicleTrips	ST_TR	158.37	169.64
tblVehicleTrips	ST_TR	49.97	5.89
tblVehicleTrips	SU_TR	131.84	141.22
tblVehicleTrips	SU_TR	25.24	2.97
tblVehicleTrips	WD_TR	127.15	136.20
tblVehicleTrips	WD_TR	42.94	5.06

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	9.0623	98.2376	75.5267	0.1601	12.1787	4.4528	16.4570	4.8259	4.1211	8.7962	0.0000	15,665.5383	15,665.5383	2.0996	0.0000	15,709.6294
2018	8.2852	94.0203	74.4666	0.1627	16.7617	3.9458	20.7075	7.6935	3.6301	11.3236	0.0000	15,991.2132	15,991.2132	1.9542	0.0000	16,032.2513
2019	69.4764	24.6014	26.1632	0.0506	1.3279	1.3462	2.6741	0.3580	1.2646	1.6226	0.0000	4,590.2542	4,590.2542	0.7070	0.0000	4,605.1001
Total	86.8239	216.8592	176.1565	0.3735	30.2684	9.7449	39.8387	12.8774	9.0159	21.7424	0.0000	36,247.0057	36,247.0057	4.7607	0.0000	36,346.9809

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.6087	71.5659	69.7428	0.1601	8.1235	3.1360	11.2595	2.7629	2.9601	5.7231	0.0000	15,665.5383	15,665.5383	2.0996	0.0000	15,709.6294
2018	6.0087	66.8815	67.9913	0.1627	8.6947	2.7652	11.1598	3.5741	2.6149	5.9093	0.0000	15,991.2132	15,991.2132	1.9542	0.0000	16,032.2513
2019	69.4764	21.8055	26.8299	0.0506	1.3279	1.2173	2.5452	0.3580	1.1531	1.5111	0.0000	4,590.2542	4,590.2542	0.7070	0.0000	4,605.1001
Total	82.0938	160.2530	164.5641	0.3735	18.1461	7.1185	24.9644	6.6950	6.7281	13.1434	0.0000	36,247.0057	36,247.0057	4.7607	0.0000	36,346.9808

	ROG	NOx	CO	SO2	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	5.45	26.10	6.58	0.00	40.05	26.95	37.34	48.01	25.37	39.55	0.00	0.00	0.00	0.00	0.00	0.00

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	10.7209	5.1000e-004	0.0552	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1175	0.1175	3.2000e-004		0.1241
Energy	0.4204	3.8218	3.2103	0.0229		0.2905	0.2905		0.2905	0.2905		4,586.2008	4,586.2008	0.0879	0.0841	4,614.1117
Mobile	16.4703	33.4288	145.1942	0.3885	24.8918	0.5346	25.4264	6.6569	0.4932	7.1500		30,126.6232	30,126.6232	1.1289		30,150.3297
Total	27.6116	37.2511	148.4597	0.4114	24.8918	0.8253	25.7171	6.6569	0.7838	7.4407		34,712.9415	34,712.9415	1.2171	0.0841	34,764.5655

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	10.7209	5.1000e-004	0.0552	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1175	0.1175	3.2000e-004		0.1241
Energy	0.3735	3.3952	2.8520	0.0204		0.2580	0.2580		0.2580	0.2580		4,074.2881	4,074.2881	0.0781	0.0747	4,099.0836
Mobile	16.4703	33.4288	145.1942	0.3885	24.8918	0.5346	25.4264	6.6569	0.4932	7.1500		30,126.6232	30,126.6232	1.1289		30,150.3297
Total	27.5647	36.8245	148.1014	0.4088	24.8918	0.7929	25.6846	6.6569	0.7514	7.4083		34,201.0288	34,201.0288	1.2073	0.0747	34,249.5374

	ROG	NOx	CO	SO2	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	0.17	1.15	0.24	0.62	0.00	3.93	0.13	0.00	4.14	0.44	0.00	1.47	1.47	0.81	11.16	1.48

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Parking - Grading and Site Prep	Grading	4/1/2017	9/22/2017	5	125	
2	Hotel Site Demo	Demolition	9/1/2017	10/19/2017	5	35	
3	Parking - Garage Construction	Building Construction	9/23/2017	1/23/2018	5	87	
4	Hotel Site - Grading and Site Prep	Grading	10/20/2017	4/21/2018	5	131	
5	Parking - Backfill and Site Grading	Grading	1/24/2018	3/23/2018	5	43	
6	Hotel Site - Building Construction	Building Construction	4/22/2018	8/19/2019	5	346	
7	Hotel and parking - Architectural Coating	Architectural Coating	8/20/2019	9/23/2019	5	25	
8	Surface Paved Areas	Paving	9/24/2019	10/21/2019	5	20	

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: 430,455; Non-Residential Outdoor: 157,305 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Parking - Grading and Site Prep	Excavators	1	8.00	162	0.38
Parking - Grading and Site Prep	Graders	1	8.00	174	0.41
Parking - Grading and Site Prep	Rubber Tired Dozers	1	8.00	255	0.40
Parking - Grading and Site Prep	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel Site Demo	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel Site Demo	Excavators	3	8.00	162	0.38
Hotel Site Demo	Rubber Tired Dozers	2	8.00	255	0.40
Parking - Garage Construction	Cranes	1	7.00	226	0.29
Parking - Garage Construction	Forklifts	3	8.00	89	0.20
Parking - Garage Construction	Generator Sets	1	8.00	84	0.74
Parking - Garage Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37

Parking - Garage Construction	Welders	1	8.00	46	0.45
Hotel Site - Grading and Site Prep	Excavators	1	8.00	162	0.38
Hotel Site - Grading and Site Prep	Graders	1	8.00	174	0.41
Hotel Site - Grading and Site Prep	Rubber Tired Dozers	1	8.00	255	0.40
Hotel Site - Grading and Site Prep	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Parking - Backfill and Site Grading	Excavators	1	8.00	162	0.38
Parking - Backfill and Site Grading	Graders	1	8.00	174	0.41
Parking - Backfill and Site Grading	Rubber Tired Dozers	1	8.00	255	0.40
Parking - Backfill and Site Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel Site - Building Construction	Cranes	1	7.00	226	0.29
Hotel Site - Building Construction	Forklifts	3	8.00	89	0.20
Hotel Site - Building Construction	Generator Sets	1	8.00	84	0.74
Hotel Site - Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel Site - Building Construction	Welders	1	8.00	46	0.45
Hotel and parking - Architectural Coating	Air Compressors	1	6.00	78	0.48
Surface Paved Areas	Pavers	2	8.00	125	0.42
Surface Paved Areas	Paving Equipment	2	8.00	130	0.36
Surface Paved Areas	Rollers	2	8.00	80	0.38

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
Parking - Grading and Site Prep	6	15.00	0.00	5,850.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hotel Site Demo	6	15.00	0.00	1,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Parking - Garage Construction	9	98.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hotel Site - Grading and Site Prep	6	15.00	0.00	13,838.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Parking - Backfill and Site Grading	6	15.00	0.00	1,163.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hotel Site - Building Construction	9	92.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hotel and parking - Architectural Coating	1	43.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Surface Paved Areas	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Clean Paved Roads

3.2 Parking - Grading and Site Prep - 2017

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					6.5947	0.0000	6.5947	3.3739	0.0000	3.3739			0.0000				0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757		3,043.6667	3,043.6667	0.9326			3,063.2507
Total	3.4555	35.9825	25.3812	0.0297	6.5947	2.0388	8.6335	3.3739	1.8757	5.2496		3,043.6667	3,043.6667	0.9326			3,063.2507

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	0.7795	12.0496	8.9205	0.0349	0.8152	0.1775	0.9926	0.2232	0.1632	0.3864		3,465.3642	3,465.3642	0.0255			3,465.9005
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	0.0600	0.0761	0.9428	2.1800e-003	0.1677	1.5200e-003	0.1692	0.0445	1.4000e-003	0.0459		177.4541	177.4541	9.2800e-003			177.6489
Total	0.8395	12.1257	9.8633	0.0371	0.9828	0.1790	1.1618	0.2677	0.1646	0.4323		3,642.8183	3,642.8183	0.0348			3,643.5494

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					2.5719	0.0000	2.5719	1.3158	0.0000	1.3158			0.0000			0.0000
Off-Road	1.4475	18.7432	20.5315	0.0297		1.1076	1.1076		1.0526	1.0526	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507
Total	1.4475	18.7432	20.5315	0.0297	2.5719	1.1076	3.6795	1.3158	1.0526	2.3685	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507

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	0.7795	12.0496	8.9205	0.0349	0.8152	0.1775	0.9926	0.2232	0.1632	0.3864		3,465.3642	3,465.3642	0.0255		3,465.9005
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	0.0600	0.0761	0.9428	2.1800e-003	0.1677	1.5200e-003	0.1692	0.0445	1.4000e-003	0.0459		177.4541	177.4541	9.2800e-003		177.6489
Total	0.8395	12.1257	9.8633	0.0371	0.9828	0.1790	1.1618	0.2677	0.1646	0.4323		3,642.8183	3,642.8183	0.0348		3,643.5494

3.3 Hotel Site Demo - 2017

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					2.4456	0.0000	2.4456	0.3703	0.0000	0.3703			0.0000			0.0000

Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399	2.4456	2.1252	4.5708	0.3703	1.9797	2.3500		4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.4759	7.3563	5.4460	0.0213	0.4977	0.1083	0.6060	0.1363	0.0997	0.2359		2,115.6069	2,115.6069	0.0156		2,115.9344
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	0.0600	0.0761	0.9428	2.1800e-003	0.1677	1.5200e-003	0.1692	0.0445	1.4000e-003	0.0459		177.4541	177.4541	9.2800e-003		177.6489
Total	0.5359	7.4324	6.3888	0.0235	0.6653	0.1099	0.7752	0.1807	0.1011	0.2818		2,293.0611	2,293.0611	0.0249		2,293.5833

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					0.9538	0.0000	0.9538	0.1444	0.0000	0.1444			0.0000			0.0000
Off-Road	1.4035	20.1651	25.1554	0.0399		0.9880	0.9880		0.9880	0.9880	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211
Total	1.4035	20.1651	25.1554	0.0399	0.9538	0.9880	1.9418	0.1444	0.9880	1.1324	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.4759	7.3563	5.4460	0.0213	0.4977	0.1083	0.6060	0.1363	0.0997	0.2359		2,115.6069	2,115.6069	0.0156		2,115.9344
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	0.0600	0.0761	0.9428	2.1800e-003	0.1677	1.5200e-003	0.1692	0.0445	1.4000e-003	0.0459		177.4541	177.4541	9.2800e-003		177.6489
Total	0.5359	7.4324	6.3888	0.0235	0.6653	0.1099	0.7752	0.1807	0.1011	0.2818		2,293.0611	2,293.0611	0.0249		2,293.5833

3.4 Parking - Garage Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730		2,639.8053	2,639.8053	0.6497		2,653.4490

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	0.2928	3.0315	3.6272	8.3400e-003	0.2371	0.0463	0.2834	0.0675	0.0426	0.1101		823.4749	823.4749	5.9400e-003		823.5998
Worker	0.3922	0.4968	6.1595	0.0142	1.0954	9.9200e-003	1.1053	0.2905	9.1500e-003	0.2997		1,159.3670	1,159.3670	0.0606		1,160.6395
Total	0.6850	3.5283	9.7867	0.0226	1.3325	0.0562	1.3887	0.3580	0.0517	0.4097		1,982.8419	1,982.8419	0.0665		1,984.2393

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6568	22.0208	18.3471	0.0268		1.5701	1.5701		1.4859	1.4859	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490
Total	2.6568	22.0208	18.3471	0.0268		1.5701	1.5701		1.4859	1.4859	0.0000	2,639.8053	2,639.8053	0.6497		2,653.4490

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	0.2928	3.0315	3.6272	8.3400e-003	0.2371	0.0463	0.2834	0.0675	0.0426	0.1101		823.4749	823.4749	5.9400e-003		823.5998
Worker	0.3922	0.4968	6.1595	0.0142	1.0954	9.9200e-003	1.1053	0.2905	9.1500e-003	0.2997		1,159.3670	1,159.3670	0.0606		1,160.6395
Total	0.6850	3.5283	9.7867	0.0226	1.3325	0.0562	1.3887	0.3580	0.0517	0.4097		1,982.8419	1,982.8419	0.0665		1,984.2393

3.4 Parking - Garage Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

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	0.2758	2.7872	3.4648	8.3300e-003	0.2371	0.0436	0.2807	0.0675	0.0401	0.1076		809.8738	809.8738	5.9100e-003		809.9979
Worker	0.3531	0.4510	5.5968	0.0142	1.0954	9.6100e-003	1.1050	0.2905	8.8900e-003	0.2994		1,116.9411	1,116.9411	0.0563		1,118.1231
Total	0.6289	3.2381	9.0617	0.0226	1.3325	0.0532	1.3858	0.3580	0.0490	0.4070		1,926.8149	1,926.8149	0.0622		1,928.1210

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3015	19.7684	18.0035	0.0268		1.3306	1.3306		1.2613	1.2613	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

Total	2.3015	19.7684	18.0035	0.0268		1.3306	1.3306		1.2613	1.2613	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
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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	0.2758	2.7872	3.4648	8.3300e-003	0.2371	0.0436	0.2807	0.0675	0.0401	0.1076		809.8738	809.8738	5.9100e-003		809.9979
Worker	0.3531	0.4510	5.5968	0.0142	1.0954	9.6100e-003	1.1050	0.2905	8.8900e-003	0.2994		1,116.9411	1,116.9411	0.0563		1,118.1231
Total	0.6289	3.2381	9.0617	0.0226	1.3325	0.0532	1.3858	0.3580	0.0490	0.4070		1,926.8149	1,926.8149	0.0622		1,928.1210

3.5 Hotel Site - Grading and Site Prep - 2017

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					6.6479	0.0000	6.6479	3.3820	0.0000	3.3820			0.0000			0.0000
Off-Road	3.4555	35.9825	25.3812	0.0297		2.0388	2.0388		1.8757	1.8757		3,043.6667	3,043.6667	0.9326		3,063.2507
Total	3.4555	35.9825	25.3812	0.0297	6.6479	2.0388	8.6867	3.3820	1.8757	5.2577		3,043.6667	3,043.6667	0.9326		3,063.2507

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	1.7594	27.1976	20.1348	0.0788	4.0306	0.4005	4.4312	1.0415	0.3685	1.4100		7,821.7703	7,821.7703	0.0577		7,822.9809
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	0.0600	0.0761	0.9428	2.1800e-003	0.1677	1.5200e-003	0.1692	0.0445	1.4000e-003	0.0459		177.4541	177.4541	9.2800e-003		177.6489
Total	1.8194	27.2736	21.0776	0.0810	4.1983	0.4021	4.6004	1.0860	0.3699	1.4559		7,999.2244	7,999.2244	0.0669		8,000.6298

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					2.5927	0.0000	2.5927	1.3190	0.0000	1.3190			0.0000			0.0000
Off-Road	1.4475	18.7432	20.5315	0.0297		1.1076	1.1076		1.0526	1.0526	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507
Total	1.4475	18.7432	20.5315	0.0297	2.5927	1.1076	3.7003	1.3190	1.0526	2.3716	0.0000	3,043.6667	3,043.6667	0.9326		3,063.2507

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	1.7594	27.1976	20.1348	0.0788	4.0306	0.4005	4.4312	1.0415	0.3685	1.4100		7,821.7703	7,821.7703	0.0577		7,822.9809

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	0.0600	0.0761	0.9428	2.1800e-003	0.1677	1.5200e-003	0.1692	0.0445	1.4000e-003	0.0459		177.4541	177.4541	9.2800e-003		177.6489
Total	1.8194	27.2736	21.0776	0.0810	4.1983	0.4021	4.6004	1.0860	0.3699	1.4559		7,999.2244	7,999.2244	0.0669		8,000.6298

3.5 Hotel Site - Grading and Site Prep - 2018

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					6.6479	0.0000	6.6479	3.3820	0.0000	3.3820			0.0000				0.0000
Off-Road	3.0028	31.0702	23.9988	0.0297		1.7201	1.7201		1.5825	1.5825		2,993.1005	2,993.1005	0.9318			3,012.6681
Total	3.0028	31.0702	23.9988	0.0297	6.6479	1.7201	8.3680	3.3820	1.5825	4.9644		2,993.1005	2,993.1005	0.9318			3,012.6681

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	1.7288	25.2714	19.7094	0.0788	2.7306	0.4002	3.1308	0.7224	0.3682	1.0906		7,693.2941	7,693.2941	0.0584			7,694.5210
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	0.0541	0.0690	0.8567	2.1800e-003	0.1677	1.4700e-003	0.1691	0.0445	1.3600e-003	0.0458		170.9604	170.9604	8.6200e-003			171.1413
Total	1.7829	25.3404	20.5660	0.0809	2.8982	0.4017	3.2999	0.7669	0.3695	1.1364		7,864.2545	7,864.2545	0.0670			7,865.6623

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					2.5927	0.0000	2.5927	1.3190	0.0000	1.3190			0.0000			0.0000
Off-Road	1.2955	17.5008	20.3601	0.0297		0.9797	0.9797		0.9350	0.9350	0.0000	2,993.1005	2,993.1005	0.9318		3,012.6681
Total	1.2955	17.5008	20.3601	0.0297	2.5927	0.9797	3.5724	1.3190	0.9350	2.2540	0.0000	2,993.1005	2,993.1005	0.9318		3,012.6681

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	1.7288	25.2714	19.7094	0.0788	2.7306	0.4002	3.1308	0.7224	0.3682	1.0906		7,693.2941	7,693.2941	0.0584		7,694.5210
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	0.0541	0.0690	0.8567	2.1800e-003	0.1677	1.4700e-003	0.1691	0.0445	1.3600e-003	0.0458		170.9604	170.9604	8.6200e-003		171.1413
Total	1.7829	25.3404	20.5660	0.0809	2.8982	0.4017	3.2999	0.7669	0.3695	1.1364		7,864.2545	7,864.2545	0.0670		7,865.6623

3.6 Parking - Backfill and Site Grading - 2018

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					6.5768	0.0000	6.5768	3.3712	0.0000	3.3712			0.0000			0.0000

Off-Road	3.0028	31.0702	23.9988	0.0297		1.7201	1.7201		1.5825	1.5825		2,993.1005	2,993.1005	0.9318		3,012.6681
Total	3.0028	31.0702	23.9988	0.0297	6.5768	1.7201	8.2969	3.3712	1.5825	4.9537		2,993.1005	2,993.1005	0.9318		3,012.6681

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	0.4427	6.4705	5.0464	0.0202	0.4712	0.1025	0.5736	0.1290	0.0943	0.2233		1,969.7974	1,969.7974	0.0150		4,970.1116
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	0.0541	0.0690	0.8567	2.1800e-003	0.1677	1.4700e-003	0.1691	0.0445	1.3600e-003	0.0458		170.9604	170.9604	8.6200e-003		171.1413
Total	0.4967	6.5395	5.9031	0.0224	0.6388	0.1039	0.7428	0.1735	0.0956	0.2691		2,140.7578	2,140.7578	0.0236		2,141.2528

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					2.5650	0.0000	2.5650	1.3148	0.0000	1.3148			0.0000			0.0000
Off-Road	1.2955	17.5008	20.3601	0.0297		0.9797	0.9797		0.9350	0.9350	0.0000	2,993.1005	2,993.1005	0.9318		3,012.6681
Total	1.2955	17.5008	20.3601	0.0297	2.5650	0.9797	3.5447	1.3148	0.9350	2.2498	0.0000	2,993.1005	2,993.1005	0.9318		3,012.6681

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	0.4427	6.4705	5.0464	0.0202	0.4712	0.1025	0.5736	0.1290	0.0943	0.2233		1,969.7974	1,969.7974	0.0150		1,970.1116
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	0.0541	0.0690	0.8567	2.1800e-003	0.1677	1.4700e-003	0.1691	0.0445	1.3600e-003	0.0458		170.9604	170.9604	8.6200e-003		171.1413
Total	0.4967	6.5395	5.9031	0.0224	0.6388	0.1039	0.7428	0.1735	0.0956	0.2691		2,140.7578	2,140.7578	0.0236		2,141.2528

3.7 Hotel Site - Building Construction - 2018
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

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	0.3484	3.5206	4.3766	0.0105	0.2995	0.0551	0.3546	0.0852	0.0507	0.1359		1,022.9985	1,022.9985	7.4700e-003		1,023.1553
Worker	0.3315	0.4233	5.2542	0.0134	1.0283	9.0200e-003	1.0374	0.2727	8.3500e-003	0.2811		1,048.5569	1,048.5569	0.0528		1,049.6665
Total	0.6799	3.9440	9.6308	0.0239	1.3279	0.0641	1.3920	0.3580	0.0590	0.4170		2,071.5554	2,071.5554	0.0603		2,072.8218

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3015	19.7684	18.0035	0.0268		1.3306	1.3306		1.2613	1.2613	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
Total	2.3015	19.7684	18.0035	0.0268		1.3306	1.3306		1.2613	1.2613	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

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	0.3484	3.5206	4.3766	0.0105	0.2995	0.0551	0.3546	0.0852	0.0507	0.1359		1,022.9985	1,022.9985	7.4700e-003		1,023.1553
Worker	0.3315	0.4233	5.2542	0.0134	1.0283	9.0200e-003	1.0374	0.2727	8.3500e-003	0.2811		1,048.5569	1,048.5569	0.0528		1,049.6665
Total	0.6799	3.9440	9.6308	0.0239	1.3279	0.0641	1.3920	0.3580	0.0590	0.4170		2,071.5554	2,071.5554	0.0603		2,072.8218

3.7 Hotel Site - 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	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479

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	0.3306	3.2482	4.2180	0.0105	0.2996	0.0524	0.3520	0.0853	0.0482	0.1334		1,002.0184	1,002.0184	7.3000e-003		1,002.1718
Worker	0.3046	0.3882	4.8248	0.0133	1.0283	8.8000e-003	1.0371	0.2727	8.1500e-003	0.2809		1,007.4740	1,007.4740	0.0494		1,008.5111
Total	0.6353	3.6363	9.0428	0.0238	1.3279	0.0612	1.3891	0.3580	0.0563	0.4143		2,009.4925	2,009.4925	0.0567		2,010.6829

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0415	18.1692	17.7871	0.0268		1.1561	1.1561		1.0967	1.0967	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479

Total	2.0415	18.1692	17.7871	0.0268		1.1561	1.1561		1.0967	1.0967	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
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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	0.3306	3.2482	4.2180	0.0105	0.2996	0.0524	0.3520	0.0853	0.0482	0.1334		1,002.0184	1,002.0184	7.3000e-003		1,002.1718
Worker	0.3046	0.3882	4.8248	0.0133	1.0283	8.8000e-003	1.0371	0.2727	8.1500e-003	0.2809		1,007.4740	1,007.4740	0.0494		1,008.5111
Total	0.6353	3.6363	9.0428	0.0238	1.3279	0.0612	1.3891	0.3580	0.0563	0.4143		2,009.4925	2,009.4925	0.0567		2,010.6829

3.8 Hotel and parking - Architectural Coating - 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					
Archit. Coating	69.0675					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	69.3340	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473

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	0.1424	0.1814	2.2551	6.2200e-003	0.4806	4.1100e-003	0.4848	0.1275	3.8100e-003	0.1313		470.8846	470.8846	0.0231		471.3693
Total	0.1424	0.1814	2.2551	6.2200e-003	0.4806	4.1100e-003	0.4848	0.1275	3.8100e-003	0.1313		470.8846	470.8846	0.0231		471.3693

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	69.0675					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	69.3340	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000
Worker	0.1424	0.1814	2.2551	6.2200e-003	0.4806	4.1100e-003	0.4848	0.1275	3.8100e-003	0.1313		470.8846	470.8846	0.0231		471.3693
Total	0.1424	0.1814	2.2551	6.2200e-003	0.4806	4.1100e-003	0.4848	0.1275	3.8100e-003	0.1313		470.8846	470.8846	0.0231		471.3693

3.9 Surface Paved Areas - 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	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989		2,223.6499
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989		2,223.6499

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	0.0497	0.0633	0.7867	2.1700e-003	0.1677	1.4300e-003	0.1691	0.0445	1.3300e-003	0.0458		164.2621	164.2621	8.0500e-003		164.4312
Total	0.0497	0.0633	0.7867	2.1700e-003	0.1677	1.4300e-003	0.1691	0.0445	1.3300e-003	0.0458		164.2621	164.2621	8.0500e-003		164.4312

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447	0.0000	2,208.9731	2,208.9731	0.6989		2,223.6499
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447	0.0000	2,208.9731	2,208.9731	0.6989		2,223.6499

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	0.0497	0.0633	0.7867	2.1700e-003	0.1677	1.4300e-003	0.1691	0.0445	1.3300e-003	0.0458		164.2621	164.2621	8.0500e-003		164.4312
Total	0.0497	0.0633	0.7867	2.1700e-003	0.1677	1.4300e-003	0.1691	0.0445	1.3300e-003	0.0458		164.2621	164.2621	8.0500e-003		164.4312

4.0 Operational Detail - Mobile

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
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Category	lb/day										lb/day			
Mitigated	16.4703	33.4288	145.1942	0.3885	24.8918	0.5346	25.4264	6.6569	0.4932	7.1500	30,126.6232	30,126.6232	1.1289	30,150.3297
Unmitigated	16.4703	33.4288	145.1942	0.3885	24.8918	0.5346	25.4264	6.6569	0.4932	7.1500	30,126.6232	30,126.6232	1.1289	30,150.3297

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	514.84	641.24	533.81	729,938	729,938
Hotel	1,968.97	1,973.79	1433.95	4,517,564	4,517,564
Quality Restaurant	2,995.34	3,142.19	2402.93	4,173,638	4,173,638
Regional Shopping Center	52.22	60.78	30.65	108,924	108,924
Strip Mall	803.52	762.19	370.40	1,399,818	1,399,818
Total	6,334.88	6,580.19	4,771.74	10,929,882	10,929,882

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
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
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.530094	0.057664	0.178835	0.124843	0.039181	0.006319	0.017052	0.034445	0.002509	0.003148	0.003693	0.000531	0.001685

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	0.3735	3.3952	2.8520	0.0204		0.2580	0.2580		0.2580	0.2580		4,074.2881	4,074.2881	0.0781	0.0747	4,099.0836
Natural Gas Unmitigated	0.4204	3.8218	3.2103	0.0229		0.2905	0.2905		0.2905	0.2905		4,586.2008	4,586.2008	0.0879	0.0841	4,614.1117

5.2 Energy by Land Use - Natural Gas Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
High Turnover (Sit Down Restaurant)	2413.09	0.0260	0.2366	0.1987	1.4200e-003		0.0180	0.0180		0.0180	0.0180		283.8929	283.8929	5.4400e-003	5.2000e-003	285.6207
Hotel	15178.9	0.1637	1.4881	1.2500	8.9300e-003		0.1131	0.1131		0.1131	0.1131		1,785.7546	1,785.7546	0.0342	0.0327	1,796.6224
Quality Restaurant	21258.2	0.2293	2.0841	1.7507	0.0125		0.1584	0.1584		0.1584	0.1584		2,500.9615	2,500.9615	0.0479	0.0459	2,516.1819
Regional Shopping Center	48.089	5.2000e-004	4.7100e-003	3.9600e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004		5.6575	5.6575	1.1000e-004	1.0000e-004	5.6920
Strip Mall	84.4411	9.1000e-004	8.2800e-003	6.9500e-003	5.0000e-005		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004		9.9343	9.9343	1.9000e-004	1.8000e-004	9.9947
Total		0.4204	3.8218	3.2103	0.0229		0.2905	0.2905		0.2905	0.2905		4,586.2008	4,586.2008	0.0879	0.0841	4,614.1117

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High Turnover (Sit Down Restaurant)	2.29599	0.0248	0.2251	0.1891	1.3500e-003		0.0171	0.0171		0.0171	0.0171		270.1162	270.1162	5.1800e-003	4.9500e-003	271.7601
Hotel	12	0.1294	1.1765	0.9882	7.0600e-003		0.0894	0.0894		0.0894	0.0894		1,411.7597	1,411.7597	0.0271	0.0259	1,420.3514
Quality Restaurant	20.2266	0.2181	1.9830	1.6657	0.0119		0.1507	0.1507		0.1507	0.1507		2,379.5949	2,379.5949	0.0456	0.0436	2,394.0767
Regional Shopping Center	0.039532	4.3000e-004	3.8800e-003	3.2600e-003	2.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		4.6508	4.6508	9.0000e-005	9.0000e-005	4.6791
Strip Mall	0.0694155	7.5000e-004	6.8100e-003	5.7200e-003	4.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004		8.1665	8.1665	1.6000e-004	1.5000e-004	8.2162
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
Total		0.3735	3.3953	2.8520	0.0204		0.2580	0.2580		0.2580	0.2580		4,074.2881	4,074.2881	0.0781	0.0747	4,099.0836

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.7209	5.1000e-004	0.0552	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1175	0.1175	3.2000e-004		0.1241
Unmitigated	10.7209	5.1000e-004	0.0552	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1175	0.1175	3.2000e-004		0.1241

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	0.4731					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.2426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.1900e-003	5.1000e-004	0.0552	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1175	0.1175	3.2000e-004		0.1241
Total	10.7209	5.1000e-004	0.0552	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1175	0.1175	3.2000e-004		0.1241

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	0.4731					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.2426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.1900e-003	5.1000e-004	0.0552	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1175	0.1175	3.2000e-004		0.1241
Total	10.7209	5.1000e-004	0.0552	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1175	0.1175	3.2000e-004		0.1241

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

**Robertson Lane Hotel Project
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	230.34	1000sqft	1.20	230,335.00	0
High Turnover (Sit Down Restaurant)	3.78	1000sqft	0.00	3,780.00	0
Hotel	241.00	Room	4.10	221,435.00	0
Quality Restaurant	33.30	1000sqft	0.00	33,300.00	0
Regional Shopping Center	10.32	1000sqft	0.00	10,325.00	0
Strip Mall	18.13	1000sqft	0.00	18,130.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11	Operational Year		2020	
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	503.21	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Revised CO2 Intensity Factor based on 33% RPS Standard by 2020

Land Use - Land Uses based on Trip Gen Table and Project Description. Strip mall represents retail. Regional shopping represents design showroom. High Turnover Restaurant represents Nightclub.

Construction Phase - Construction Schedule provided in Project Description.

Off-road Equipment - Default equipment assumed.

Trips and VMT - Revised. Vendor trips - 0.1639 per 1,000 sq ft = 48 trips per day for hotel, 38 for parking garage. Worker trips - hotel site (commercial retail trip rate): 0.32 = 92 trips; parking (office industrial trip rate): 0.42 = 98 trips.

Demolition - Demolition - 8,000 CY / 16 CY = 500 trucks * 2 = 1,000 one-way haul trips

Grading - Revised per Project Description material export

Architectural Coating - Non-res Interior and Exterior VOC modified to 50 and 100 g/L per SCAQMD Rule 1113. Modified non-residential interior and exterior area to be coated based on CalEEMod architectural coating surface area equations and an adjustment for parking.

Vehicle Trips - Regional Shopping Center represents Design Showroom trip rates in TIA. Strip mall represents Retail trip rates in TIA. Saturday and Sunday trip rates based on default model ratio to weekday rate.

Area Coating - Non-res Interior and Exterior VOC modified to 50 and 100 g/L per SCAQMD Rule 1113. Modified non-residential interior and exterior area to be coated based on CalEEMod architectural coating surface area equations and an adjustment for parking.

Construction Off-road Equipment Mitigation - Water exposed area 3x per day per SCAQMD Rule 403 (not mitigation). Earthmoving Equip > 150 hp have Tier 3 engines (mitigation)

Energy Mitigation - 25% above Title 24 to match 2013 Title 24 standards (25% reduction versus 2008 standards) (not mitigation)

Waste Mitigation - 75% waste diversion consistent with AB 341 (not mitigation)

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	258,653.00	157,305.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	775,958.00	430,455.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_Nonresidential_Exterior	258653	157305
tblAreaCoating	Area_Nonresidential_Interior	775958	430455
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	230.00	87.00
tblConstructionPhase	NumDays	230.00	346.00

tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	20.00	125.00
tblConstructionPhase	NumDays	20.00	131.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	PhaseEndDate	2/19/2018	1/23/2018
tblConstructionPhase	PhaseEndDate	7/22/2019	8/19/2019
tblConstructionPhase	PhaseEndDate	11/10/2017	10/19/2017
tblConstructionPhase	PhaseEndDate	7/25/2018	4/21/2018
tblConstructionPhase	PhaseEndDate	6/20/2018	3/23/2018
tblConstructionPhase	PhaseStartDate	10/20/2017	9/23/2017
tblConstructionPhase	PhaseStartDate	3/24/2018	4/22/2018
tblConstructionPhase	PhaseStartDate	9/23/2017	9/1/2017
tblConstructionPhase	PhaseStartDate	1/24/2018	10/20/2017
tblConstructionPhase	PhaseStartDate	4/22/2018	1/24/2018
tblGrading	MaterialExported	0.00	46,800.00
tblGrading	MaterialExported	0.00	110,700.00
tblGrading	MaterialExported	0.00	9,300.00
tblLandUse	LandUseSquareFeet	230,340.00	230,335.00
tblLandUse	LandUseSquareFeet	349,932.00	221,435.00
tblLandUse	LandUseSquareFeet	10,320.00	10,325.00
tblLandUse	LotAcreage	5.29	1.20
tblLandUse	LotAcreage	0.09	0.00
tblLandUse	LotAcreage	8.03	4.10
tblLandUse	LotAcreage	0.76	0.00
tblLandUse	LotAcreage	0.24	0.00
tblLandUse	LotAcreage	0.42	0.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	503.21
tblProjectCharacteristics	OperationalYear	2014	2020
tblTripsAndVMT	HaulingTripNumber	396.00	1,000.00
tblTripsAndVMT	VendorTripNumber	85.00	38.00
tblTripsAndVMT	VendorTripNumber	85.00	48.00
tblTripsAndVMT	WorkerTripNumber	214.00	98.00

tblTripsAndVMT	WorkerTripNumber	214.00	92.00
tblVehicleTrips	ST_TR	158.37	169.64
tblVehicleTrips	ST_TR	49.97	5.89
tblVehicleTrips	SU_TR	131.84	141.22
tblVehicleTrips	SU_TR	25.24	2.97
tblVehicleTrips	WD_TR	127.15	136.20
tblVehicleTrips	WD_TR	42.94	5.06

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.6197	6.6373	5.2312	9.8100e-003	1.1128	0.3043	1.4171	0.4979	0.2816	0.7795	0.0000	879.1334	879.1334	0.1187	0.0000	881.6262
2018	0.6015	5.8354	5.2808	0.0105	0.8331	0.2783	1.1114	0.3626	0.2590	0.6217	0.0000	908.5430	908.5430	0.1177	0.0000	911.0146
2019	1.1305	2.2214	2.4051	4.4800e-003	0.1150	0.1209	0.2359	0.0310	0.1135	0.1445	0.0000	369.9631	369.9631	0.0582	0.0000	371.1851
Total	2.3516	14.6941	12.9171	0.0248	2.0609	0.7035	2.7644	0.8916	0.6541	1.5457	0.0000	2,157.6395	2,157.6395	0.2946	0.0000	2,163.8259

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.3811	4.5725	4.6591	9.8100e-003	0.5697	0.1951	0.7648	0.2302	0.1853	0.4155	0.0000	879.1329	879.1329	0.1187	0.0000	881.6257
2018	0.4601	4.6551	5.1037	0.0105	0.4812	0.2166	0.6978	0.1833	0.2050	0.3883	0.0000	908.5425	908.5425	0.1177	0.0000	911.0141
2019	1.1049	1.9907	2.4601	4.4800e-003	0.1150	0.1102	0.2252	0.0310	0.1043	0.1353	0.0000	369.9629	369.9629	0.0582	0.0000	371.1849
Total	1.9461	11.2183	12.2229	0.0248	1.1659	0.5219	1.6878	0.4445	0.4945	0.9391	0.0000	2,157.6383	2,157.6383	0.2946	0.0000	2,163.8247

	ROG	NOx	CO	SO2	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	17.24	23.65	5.37	0.00	43.43	25.82	38.95	50.14	24.39	39.25	0.00	0.00	0.00	0.00	0.00	0.00

**2.2 Overall Operational
Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.9563	6.0000e-005	6.9000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0133	0.0133	4.0000e-005	0.0000	0.0141
Energy	0.0767	0.6975	0.5859	4.1800e-003		0.0530	0.0530		0.0530	0.0530	0.0000	2,038.8197	2,038.8197	0.0883	0.0292	2,049.7186
Mobile	2.7735	6.0452	25.7596	0.0638	4.1442	0.0908	4.2350	1.1101	0.0838	1.1939	0.0000	4,491.6297	4,491.6297	0.1737	0.0000	4,495.2771
Waste						0.0000	0.0000		0.0000	0.0000	48.1495	0.0000	48.1495	2.8456	0.0000	107.9060
Water						0.0000	0.0000		0.0000	0.0000	6.1788	64.7031	70.8819	0.6384	0.0158	89.1716
Total	4.8065	6.7427	26.3524	0.0679	4.1442	0.1439	4.2881	1.1101	0.1368	1.2469	54.3282	6,595.1658	6,649.4941	3.7459	0.0449	6,742.0875

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.9563	6.0000e-005	6.9000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0133	0.0133	4.0000e-005	0.0000	0.0141
Energy	0.0682	0.6196	0.5205	3.7200e-003		0.0471	0.0471		0.0471	0.0471	0.0000	1,834.1954	1,834.1954	0.0798	0.0262	1,843.9904
Mobile	2.7735	6.0452	25.7596	0.0638	4.1442	0.0908	4.2350	1.1101	0.0838	1.1939	0.0000	4,491.6297	4,491.6297	0.1737	0.0000	4,495.2771
Waste						0.0000	0.0000		0.0000	0.0000	12.0374	0.0000	12.0374	0.7114	0.0000	26.9765
Water						0.0000	0.0000		0.0000	0.0000	6.1788	64.7031	70.8819	0.6382	0.0157	89.1618
Total	4.7979	6.6649	26.2870	0.0675	4.1442	0.1379	4.2822	1.1101	0.1309	1.2410	18.2161	6,390.5416	6,408.7577	1.6031	0.0419	6,455.4199

	ROG	NOx	CO	SO2	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	0.18	1.15	0.25	0.68	0.00	4.12	0.14	0.00	4.33	0.47	66.47	3.10	3.62	57.20	6.72	4.25

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Parking - Grading and Site Prep	Grading	4/1/2017	9/22/2017	5	125	
2	Hotel Site Demo	Demolition	9/1/2017	10/19/2017	5	35	
3	Parking - Garage Construction	Building Construction	9/23/2017	1/23/2018	5	87	
4	Hotel Site - Grading and Site Prep	Grading	10/20/2017	4/21/2018	5	131	
5	Parking - Backfill and Site Grading	Grading	1/24/2018	3/23/2018	5	43	
6	Hotel Site - Building Construction	Building Construction	4/22/2018	8/19/2019	5	346	
7	Hotel and parking - Architectural Coating	Architectural Coating	8/20/2019	9/23/2019	5	25	
8	Surface Paved Areas	Paving	9/24/2019	10/21/2019	5	20	

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: 430,455; Non-Residential Outdoor: 157,305 (Architectural

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Parking - Grading and Site Prep	Excavators	1	8.00	162	0.38
Parking - Grading and Site Prep	Graders	1	8.00	174	0.41
Parking - Grading and Site Prep	Rubber Tired Dozers	1	8.00	255	0.40
Parking - Grading and Site Prep	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel Site Demo	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel Site Demo	Excavators	3	8.00	162	0.38
Hotel Site Demo	Rubber Tired Dozers	2	8.00	255	0.40
Parking - Garage Construction	Cranes	1	7.00	226	0.29
Parking - Garage Construction	Forklifts	3	8.00	89	0.20
Parking - Garage Construction	Generator Sets	1	8.00	84	0.74

Parking - Garage Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Parking - Garage Construction	Welders	1	8.00	46	0.45
Hotel Site - Grading and Site Prep	Excavators	1	8.00	162	0.38
Hotel Site - Grading and Site Prep	Graders	1	8.00	174	0.41
Hotel Site - Grading and Site Prep	Rubber Tired Dozers	1	8.00	255	0.40
Hotel Site - Grading and Site Prep	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Parking - Backfill and Site Grading	Excavators	1	8.00	162	0.38
Parking - Backfill and Site Grading	Graders	1	8.00	174	0.41
Parking - Backfill and Site Grading	Rubber Tired Dozers	1	8.00	255	0.40
Parking - Backfill and Site Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel Site - Building Construction	Cranes	1	7.00	226	0.29
Hotel Site - Building Construction	Forklifts	3	8.00	89	0.20
Hotel Site - Building Construction	Generator Sets	1	8.00	84	0.74
Hotel Site - Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel Site - Building Construction	Welders	1	8.00	46	0.45
Hotel and parking - Architectural Coating	Air Compressors	1	6.00	78	0.48
Surface Paved Areas	Pavers	2	8.00	125	0.42
Surface Paved Areas	Paving Equipment	2	8.00	130	0.36
Surface Paved Areas	Rollers	2	8.00	80	0.38

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
Parking - Grading and Site Prep	6	15.00	0.00	5,850.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hotel Site Demo	6	15.00	0.00	1,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Parking - Garage Construction	9	98.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hotel Site - Grading and Site Prep	6	15.00	0.00	13,838.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Parking - Backfill and Site Grading	6	15.00	0.00	1,163.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hotel Site - Building Construction	9	92.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hotel and parking - Architectural Coating	1	43.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Surface Paved Areas	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Clean Paved Roads

3.2 Parking - Grading and Site Prep - 2017

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					0.4122	0.0000	0.4122	0.2109	0.0000	0.2109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2160	2.2489	1.5863	1.8600e-003		0.1274	0.1274		0.1172	0.1172	0.0000	172.5730	172.5730	0.0529	0.0000	173.6834
Total	0.2160	2.2489	1.5863	1.8600e-003	0.4122	0.1274	0.5396	0.2109	0.1172	0.3281	0.0000	172.5730	172.5730	0.0529	0.0000	173.6834

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	0.0505	0.7934	0.6307	2.1800e-003	0.0501	0.0111	0.0612	0.0137	0.0102	0.0240	0.0000	196.2890	196.2890	1.4600e-003	0.0000	196.3196
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	3.6700e-003	5.4100e-003	0.0563	1.3000e-004	0.0103	9.0000e-005	0.0104	2.7300e-003	9.0000e-005	2.8200e-003	0.0000	9.6488	9.6488	5.3000e-004	0.0000	9.6599
Total	0.0542	0.7988	0.6870	2.3100e-003	0.0603	0.0112	0.0715	0.0165	0.0103	0.0268	0.0000	205.9378	205.9378	1.9900e-003	0.0000	205.9794

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					0.1608	0.0000	0.1608	0.0822	0.0000	0.0822	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0905	1.1715	1.2832	1.8600e-003		0.0692	0.0692		0.0658	0.0658	0.0000	172.5728	172.5728	0.0529	0.0000	173.6832
Total	0.0905	1.1715	1.2832	1.8600e-003	0.1608	0.0692	0.2300	0.0822	0.0658	0.1480	0.0000	172.5728	172.5728	0.0529	0.0000	173.6832

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	0.0505	0.7934	0.6307	2.1800e-003	0.0501	0.0111	0.0612	0.0137	0.0102	0.0240	0.0000	196.2890	196.2890	1.4600e-003	0.0000	196.3196
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	3.6700e-003	5.4100e-003	0.0563	1.3000e-004	0.0103	9.0000e-005	0.0104	2.7300e-003	9.0000e-005	2.8200e-003	0.0000	9.6488	9.6488	5.3000e-004	0.0000	9.6599
Total	0.0542	0.7988	0.6870	2.3100e-003	0.0603	0.0112	0.0715	0.0165	0.0103	0.0268	0.0000	205.9378	205.9378	1.9900e-003	0.0000	205.9794

3.3 Hotel Site Demo - 2017

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					0.0428	0.0000	0.0428	6.4800e-003	0.0000	6.4800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0708	0.7472	0.5931	7.0000e-004		0.0372	0.0372		0.0347	0.0347	0.0000	64.0819	64.0819	0.0176	0.0000	64.4511
Total	0.0708	0.7472	0.5931	7.0000e-004	0.0428	0.0372	0.0800	6.4800e-003	0.0347	0.0411	0.0000	64.0819	64.0819	0.0176	0.0000	64.4511

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	8.6300e-003	0.1356	0.1078	3.7000e-004	8.5600e-003	1.9000e-003	0.0105	2.3500e-003	1.7500e-003	4.0900e-003	0.0000	33.5537	33.5537	2.5000e-004	0.0000	33.5589
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	1.0300e-003	1.5200e-003	0.0158	4.0000e-005	2.8800e-003	3.0000e-005	2.9000e-003	7.6000e-004	2.0000e-005	7.9000e-004	0.0000	2.7017	2.7017	1.5000e-004	0.0000	2.7048
Total	9.6600e-003	0.1371	0.1236	4.1000e-004	0.0114	1.9300e-003	0.0134	3.1100e-003	1.7700e-003	4.8800e-003	0.0000	36.2553	36.2553	4.0000e-004	0.0000	36.2637

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					0.0167	0.0000	0.0167	2.5300e-003	0.0000	2.5300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0246	0.3529	0.4402	7.0000e-004		0.0173	0.0173		0.0173	0.0173	0.0000	64.0818	64.0818	0.0176	0.0000	64.4510
Total	0.0246	0.3529	0.4402	7.0000e-004	0.0167	0.0173	0.0340	2.5300e-003	0.0173	0.0198	0.0000	64.0818	64.0818	0.0176	0.0000	64.4510

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	8.6300e-003	0.1356	0.1078	3.7000e-004	8.5600e-003	1.9000e-003	0.0105	2.3500e-003	1.7500e-003	4.0900e-003	0.0000	33.5537	33.5537	2.5000e-004	0.0000	33.5589
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	1.0300e-003	1.5200e-003	0.0158	4.0000e-005	2.8800e-003	3.0000e-005	2.9000e-003	7.6000e-004	2.0000e-005	7.9000e-004	0.0000	2.7017	2.7017	1.5000e-004	0.0000	2.7048
Total	9.6600e-003	0.1371	0.1236	4.1000e-004	0.0114	1.9300e-003	0.0134	3.1100e-003	1.7700e-003	4.8800e-003	0.0000	36.2553	36.2553	4.0000e-004	0.0000	36.2637

3.4 Parking - Garage Construction - 2017

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	0.1086	0.9242	0.6345	9.4000e-004		0.0623	0.0623		0.0586	0.0586	0.0000	83.8177	83.8177	0.0206	0.0000	84.2509
Total	0.1086	0.9242	0.6345	9.4000e-004		0.0623	0.0623		0.0586	0.0586	0.0000	83.8177	83.8177	0.0206	0.0000	84.2509

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	0.0109	0.1109	0.1496	2.9000e-004	8.1600e-003	1.6300e-003	9.7900e-003	2.3300e-003	1.5000e-003	3.8200e-003	0.0000	26.0552	26.0552	1.9000e-004	0.0000	26.0592
Worker	0.0134	0.0198	0.2061	4.8000e-004	0.0376	3.5000e-004	0.0379	9.9800e-003	3.2000e-004	0.0103	0.0000	35.3018	35.3018	1.9200e-003	0.0000	35.3423
Total	0.0243	0.1307	0.3556	7.7000e-004	0.0458	1.9800e-003	0.0477	0.0123	1.8200e-003	0.0141	0.0000	61.3570	61.3570	2.1100e-003	0.0000	61.4014

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	0.0930	0.7707	0.6422	9.4000e-004		0.0550	0.0550		0.0520	0.0520	0.0000	83.8176	83.8176	0.0206	0.0000	84.2508
Total	0.0930	0.7707	0.6422	9.4000e-004		0.0550	0.0550		0.0520	0.0520	0.0000	83.8176	83.8176	0.0206	0.0000	84.2508

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	0.0109	0.1109	0.1496	2.9000e-004	8.1600e-003	1.6300e-003	9.7900e-003	2.3300e-003	1.5000e-003	3.8200e-003	0.0000	26.0552	26.0552	1.9000e-004	0.0000	26.0592
Worker	0.0134	0.0198	0.2061	4.8000e-004	0.0376	3.5000e-004	0.0379	9.9800e-003	3.2000e-004	0.0103	0.0000	35.3018	35.3018	1.9200e-003	0.0000	35.3423
Total	0.0243	0.1307	0.3556	7.7000e-004	0.0458	1.9800e-003	0.0477	0.0123	1.8200e-003	0.0141	0.0000	61.3570	61.3570	2.1100e-003	0.0000	61.4014

3.4 Parking - Garage Construction - 2018

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	0.0227	0.1977	0.1490	2.3000e-004		0.0127	0.0127		0.0119	0.0119	0.0000	20.1254	20.1254	4.9300e-003	0.0000	20.2289
Total	0.0227	0.1977	0.1490	2.3000e-004		0.0127	0.0127		0.0119	0.0119	0.0000	20.1254	20.1254	4.9300e-003	0.0000	20.2289

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	2.4900e-003	0.0247	0.0349	7.0000e-005	1.9800e-003	3.7000e-004	2.3500e-003	5.7000e-004	3.4000e-004	9.1000e-004	0.0000	6.2231	6.2231	5.0000e-005	0.0000	6.2241
Worker	2.9200e-003	4.3600e-003	0.0453	1.2000e-004	9.1300e-003	8.0000e-005	9.2100e-003	2.4200e-003	8.0000e-005	2.5000e-003	0.0000	8.2591	8.2591	4.3000e-004	0.0000	8.2682
Total	5.4100e-003	0.0291	0.0802	1.9000e-004	0.0111	4.5000e-004	0.0116	2.9900e-003	4.2000e-004	3.4100e-003	0.0000	14.4822	14.4822	4.8000e-004	0.0000	14.4923

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
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Category	tons/yr										MT/yr					
Off-Road	0.0196	0.1680	0.1530	2.3000e-004		0.0113	0.0113		0.0107	0.0107	0.0000	20.1254	20.1254	4.9300e-003	0.0000	20.2288
Total	0.0196	0.1680	0.1530	2.3000e-004		0.0113	0.0113		0.0107	0.0107	0.0000	20.1254	20.1254	4.9300e-003	0.0000	20.2288

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	2.4900e-003	0.0247	0.0349	7.0000e-005	1.9800e-003	3.7000e-004	2.3500e-003	5.7000e-004	3.4000e-004	9.1000e-004	0.0000	6.2231	6.2231	5.0000e-005	0.0000	6.2241
Worker	2.9200e-003	4.3600e-003	0.0453	1.2000e-004	9.1300e-003	8.0000e-005	9.2100e-003	2.4200e-003	8.0000e-005	2.5000e-003	0.0000	8.2591	8.2591	4.3000e-004	0.0000	8.2682
Total	5.4100e-003	0.0291	0.0802	1.9000e-004	0.0111	4.5000e-004	0.0116	2.9900e-003	4.2000e-004	3.4100e-003	0.0000	14.4822	14.4822	4.8000e-004	0.0000	14.4923

3.5 Hotel Site - Grading and Site Prep - 2017

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					0.4354	0.0000	0.4354	0.2215	0.0000	0.2215	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0881	0.9176	0.6472	7.6000e-004		0.0520	0.0520		0.0478	0.0478	0.0000	70.4098	70.4098	0.0216	0.0000	70.8628
Total	0.0881	0.9176	0.6472	7.6000e-004	0.4354	0.0520	0.4874	0.2215	0.0478	0.2694	0.0000	70.4098	70.4098	0.0216	0.0000	70.8628

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	0.0465	0.7306	0.5808	2.0100e-003	0.1007	0.0102	0.1109	0.0261	9.4000e-003	0.0355	0.0000	180.7641	180.7641	1.3400e-003	0.0000	180.7923
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	1.5000e-003	2.2100e-003	0.0230	5.0000e-005	4.1900e-003	4.0000e-005	4.2300e-003	1.1100e-003	4.0000e-005	1.1500e-003	0.0000	3.9367	3.9367	2.1000e-004	0.0000	3.9412
Total	0.0480	0.7329	0.6038	2.0600e-003	0.1049	0.0103	0.1152	0.0272	9.4400e-003	0.0366	0.0000	184.7009	184.7009	1.5500e-003	0.0000	184.7335

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					0.1698	0.0000	0.1698	0.0864	0.0000	0.0864	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0369	0.4780	0.5236	7.6000e-004		0.0282	0.0282		0.0268	0.0268	0.0000	70.4097	70.4097	0.0216	0.0000	70.8627
Total	0.0369	0.4780	0.5236	7.6000e-004	0.1698	0.0282	0.1981	0.0864	0.0268	0.1132	0.0000	70.4097	70.4097	0.0216	0.0000	70.8627

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
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Category	tons/yr										MT/yr					
Hauling	0.0465	0.7306	0.5808	2.0100e-003	0.1007	0.0102	0.1109	0.0261	9.4000e-003	0.0355	0.0000	180.7641	180.7641	1.3400e-003	0.0000	180.7923
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	1.5000e-003	2.2100e-003	0.0230	5.0000e-005	4.1900e-003	4.0000e-005	4.2300e-003	1.1100e-003	4.0000e-005	1.1500e-003	0.0000	3.9367	3.9367	2.1000e-004	0.0000	3.9412
Total	0.0480	0.7329	0.6038	2.0600e-003	0.1049	0.0103	0.1152	0.0272	9.4400e-003	0.0366	0.0000	184.7009	184.7009	1.5500e-003	0.0000	184.7335

3.5 Hotel Site - Grading and Site Prep - 2018

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					0.4354	0.0000	0.4354	0.2215	0.0000	0.2215	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1201	1.2428	0.9600	1.1900e-003		0.0688	0.0688		0.0633	0.0633	0.0000	108.6118	108.6118	0.0338	0.0000	109.3219
Total	0.1201	1.2428	0.9600	1.1900e-003	0.4354	0.0688	0.5042	0.2215	0.0633	0.2848	0.0000	108.6118	108.6118	0.0338	0.0000	109.3219

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	0.0715	1.0649	0.8939	3.1500e-003	0.1072	0.0160	0.1232	0.0284	0.0147	0.0431	0.0000	278.8940	278.8940	2.1300e-003	0.0000	278.9388
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	3.1400e-003	0.0327	8.0000e-005	6.5700e-003	6.0000e-005	6.6300e-003	1.7500e-003	5.0000e-005	1.8000e-003	0.0000	5.9489	5.9489	3.1000e-004	0.0000	5.9555

Total	0.0736	1.0680	0.9265	3.2300e-003	0.1137	0.0161	0.1298	0.0301	0.0148	0.0449	0.0000	284.8430	284.8430	2.4400e-003	0.0000	284.8943
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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					0.1698	0.0000	0.1698	0.0864	0.0000	0.0864	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0518	0.7000	0.8144	1.1900e-003		0.0392	0.0392		0.0374	0.0374	0.0000	108.6117	108.6117	0.0338	0.0000	109.3217
Total	0.0518	0.7000	0.8144	1.1900e-003	0.1698	0.0392	0.2090	0.0864	0.0374	0.1238	0.0000	108.6117	108.6117	0.0338	0.0000	109.3217

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	0.0715	1.0649	0.8939	3.1500e-003	0.1072	0.0160	0.1232	0.0284	0.0147	0.0431	0.0000	278.8940	278.8940	2.1300e-003	0.0000	278.9388
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1100e-003	3.1400e-003	0.0327	8.0000e-005	6.5700e-003	6.0000e-005	6.6300e-003	1.7500e-003	5.0000e-005	1.8000e-003	0.0000	5.9489	5.9489	3.1000e-004	0.0000	5.9555
Total	0.0736	1.0680	0.9265	3.2300e-003	0.1137	0.0161	0.1298	0.0301	0.0148	0.0449	0.0000	284.8430	284.8430	2.4400e-003	0.0000	284.8943

3.6 Parking - Backfill and Site Grading - 2018

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					0.1414	0.0000	0.1414	0.0725	0.0000	0.0725	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0646	0.6680	0.5160	6.4000e-004		0.0370	0.0370		0.0340	0.0340	0.0000	58.3788	58.3788	0.0182	0.0000	58.7605
Total	0.0646	0.6680	0.5160	6.4000e-004	0.1414	0.0370	0.1784	0.0725	0.0340	0.1065	0.0000	58.3788	58.3788	0.0182	0.0000	58.7605

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	9.8400e-003	0.1466	0.1230	4.3000e-004	9.9600e-003	2.2100e-003	0.0122	2.7300e-003	2.0300e-003	4.7600e-003	0.0000	38.3819	38.3819	2.9000e-004	0.0000	38.3881
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	1.1300e-003	1.6900e-003	0.0176	4.0000e-005	3.5300e-003	3.0000e-005	3.5700e-003	9.4000e-004	3.0000e-005	9.7000e-004	0.0000	3.1976	3.1976	1.7000e-004	0.0000	3.2011
Total	0.0110	0.1482	0.1406	4.7000e-004	0.0135	2.2400e-003	0.0157	3.6700e-003	2.0600e-003	5.7300e-003	0.0000	41.5795	41.5795	4.6000e-004	0.0000	41.5892

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					0.0552	0.0000	0.0552	0.0283	0.0000	0.0283	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0279	0.3763	0.4377	6.4000e-004		0.0211	0.0211		0.0201	0.0201	0.0000	58.3788	58.3788	0.0182	0.0000	58.7604

Total	0.0279	0.3763	0.4377	6.4000e-004	0.0552	0.0211	0.0762	0.0283	0.0201	0.0484	0.0000	58.3788	58.3788	0.0182	0.0000	58.7604
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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	9.8400e-003	0.1466	0.1230	4.3000e-004	9.9600e-003	2.2100e-003	0.0122	2.7300e-003	2.0300e-003	4.7600e-003	0.0000	38.3819	38.3819	2.9000e-004	0.0000	38.3881
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	1.1300e-003	1.6900e-003	0.0176	4.0000e-005	3.5300e-003	3.0000e-005	3.5700e-003	9.4000e-004	3.0000e-005	9.7000e-004	0.0000	3.1976	3.1976	1.7000e-004	0.0000	3.2011
Total	0.0110	0.1482	0.1406	4.7000e-004	0.0135	2.2400e-003	0.0157	3.6700e-003	2.0600e-003	5.7300e-003	0.0000	41.5795	41.5795	4.6000e-004	0.0000	41.5892

3.7 Hotel Site - Building Construction - 2018

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	0.2415	2.1051	1.5867	2.4300e-003		0.1352	0.1352		0.1271	0.1271	0.0000	214.2766	214.2766	0.0524	0.0000	215.3778
Total	0.2415	2.1051	1.5867	2.4300e-003		0.1352	0.1352		0.1271	0.1271	0.0000	214.2766	214.2766	0.0524	0.0000	215.3778

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	0.0335	0.3328	0.4689	9.5000e-004	0.0267	5.0100e-003	0.0317	7.6000e-003	4.6100e-003	0.0122	0.0000	83.6943	83.6943	6.2000e-004	0.0000	83.7074
Worker	0.0292	0.0436	0.4530	1.1600e-003	0.0912	8.2000e-004	0.0921	0.0242	7.6000e-004	0.0250	0.0000	82.5514	82.5514	4.3400e-003	0.0000	82.6425
Total	0.0627	0.3764	0.9219	2.1100e-003	0.1179	5.8300e-003	0.1237	0.0318	5.3700e-003	0.0372	0.0000	166.2457	166.2457	4.9600e-003	0.0000	166.3498

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	0.2083	1.7890	1.6293	2.4300e-003		0.1204	0.1204		0.1142	0.1142	0.0000	214.2763	214.2763	0.0524	0.0000	215.3775
Total	0.2083	1.7890	1.6293	2.4300e-003		0.1204	0.1204		0.1142	0.1142	0.0000	214.2763	214.2763	0.0524	0.0000	215.3775

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	0.0335	0.3328	0.4689	9.5000e-004	0.0267	5.0100e-003	0.0317	7.6000e-003	4.6100e-003	0.0122	0.0000	83.6943	83.6943	6.2000e-004	0.0000	83.7074

Worker	0.0292	0.0436	0.4530	1.1600e-003	0.0912	8.2000e-004	0.0921	0.0242	7.6000e-004	0.0250	0.0000	82.5514	82.5514	4.3400e-003	0.0000	82.6425
Total	0.0627	0.3764	0.9219	2.1100e-003	0.1179	5.8300e-003	0.1237	0.0318	5.3700e-003	0.0372	0.0000	166.2457	166.2457	4.9600e-003	0.0000	166.3498

3.7 Hotel Site - 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	tons/yr										MT/yr					
Off-Road	0.1940	1.7296	1.4124	2.2100e-003		0.1060	0.1060		0.0997	0.0997	0.0000	193.1513	193.1513	0.0470	0.0000	194.1382
Total	0.1940	1.7296	1.4124	2.2100e-003		0.1060	0.1060		0.0997	0.0997	0.0000	193.1513	193.1513	0.0470	0.0000	194.1382

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	0.0289	0.2797	0.4134	8.6000e-004	0.0243	4.3400e-003	0.0286	6.9300e-003	3.9900e-003	0.0109	0.0000	74.7297	74.7297	5.5000e-004	0.0000	74.7414
Worker	0.0244	0.0365	0.3784	1.0500e-003	0.0832	7.3000e-004	0.0839	0.0221	6.7000e-004	0.0228	0.0000	72.3020	72.3020	3.7000e-003	0.0000	72.3796
Total	0.0533	0.3162	0.7917	1.9100e-003	0.1075	5.0700e-003	0.1125	0.0290	4.6600e-003	0.0337	0.0000	147.0317	147.0317	4.2500e-003	0.0000	147.1210

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	0.1684	1.4990	1.4674	2.2100e-003		0.0954	0.0954		0.0905	0.0905	0.0000	193.1511	193.1511	0.0470	0.0000	194.1379
Total	0.1684	1.4990	1.4674	2.2100e-003		0.0954	0.0954		0.0905	0.0905	0.0000	193.1511	193.1511	0.0470	0.0000	194.1379

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	0.0289	0.2797	0.4134	8.6000e-004	0.0243	4.3400e-003	0.0286	6.9300e-003	3.9900e-003	0.0109	0.0000	74.7297	74.7297	5.5000e-004	0.0000	74.7414
Worker	0.0244	0.0365	0.3784	1.0500e-003	0.0832	7.3000e-004	0.0839	0.0221	6.7000e-004	0.0228	0.0000	72.3020	72.3020	3.7000e-003	0.0000	72.3796
Total	0.0533	0.3162	0.7917	1.9100e-003	0.1075	5.0700e-003	0.1125	0.0290	4.6600e-003	0.0337	0.0000	147.0317	147.0317	4.2500e-003	0.0000	147.1210

3.8 Hotel and parking - Architectural Coating - 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	tons/yr										MT/yr					
Archit. Coating	0.8633					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	3.3300e-003	0.0229	0.0230	4.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	3.1916	3.1916	2.7000e-004	0.0000	3.1972
Total	0.8667	0.0229	0.0230	4.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	3.1916	3.1916	2.7000e-004	0.0000	3.1972

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	1.7300e-003	2.5800e-003	0.0268	7.0000e-005	5.8900e-003	5.0000e-005	5.9400e-003	1.5600e-003	5.0000e-005	1.6100e-003	0.0000	5.1202	5.1202	2.6000e-004	0.0000	5.1257
Total	1.7300e-003	2.5800e-003	0.0268	7.0000e-005	5.8900e-003	5.0000e-005	5.9400e-003	1.5600e-003	5.0000e-005	1.6100e-003	0.0000	5.1202	5.1202	2.6000e-004	0.0000	5.1257

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	0.8633					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3300e-003	0.0229	0.0230	4.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	3.1916	3.1916	2.7000e-004	0.0000	3.1972
Total	0.8667	0.0229	0.0230	4.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	3.1916	3.1916	2.7000e-004	0.0000	3.1972

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	1.7300e-003	2.5800e-003	0.0268	7.0000e-005	5.8900e-003	5.0000e-005	5.9400e-003	1.5600e-003	5.0000e-005	1.6100e-003	0.0000	5.1202	5.1202	2.6000e-004	0.0000	5.1257
Total	1.7300e-003	2.5800e-003	0.0268	7.0000e-005	5.8900e-003	5.0000e-005	5.9400e-003	1.5600e-003	5.0000e-005	1.6100e-003	0.0000	5.1202	5.1202	2.6000e-004	0.0000	5.1257

3.9 Surface Paved Areas - 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	tons/yr										MT/yr					
Off-Road	0.0143	0.1494	0.1437	2.2000e-004		8.0900e-003	8.0900e-003		7.4500e-003	7.4500e-003	0.0000	20.0395	20.0395	6.3400e-003	0.0000	20.1726
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0143	0.1494	0.1437	2.2000e-004		8.0900e-003	8.0900e-003		7.4500e-003	7.4500e-003	0.0000	20.0395	20.0395	6.3400e-003	0.0000	20.1726

Unmitigated Construction Off-Site

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	7.2000e-004	7.4800e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4289	1.4289	7.0000e-005	0.0000	1.4304
Total	4.8000e-004	7.2000e-004	7.4800e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4289	1.4289	7.0000e-005	0.0000	1.4304

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	0.0143	0.1494	0.1437	2.2000e-004		8.0900e-003	8.0900e-003		7.4500e-003	7.4500e-003	0.0000	20.0394	20.0394	6.3400e-003	0.0000	20.1726
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0143	0.1494	0.1437	2.2000e-004		8.0900e-003	8.0900e-003		7.4500e-003	7.4500e-003	0.0000	20.0394	20.0394	6.3400e-003	0.0000	20.1726

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	7.2000e-004	7.4800e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4289	1.4289	7.0000e-005	0.0000	1.4304
Total	4.8000e-004	7.2000e-004	7.4800e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4289	1.4289	7.0000e-005	0.0000	1.4304

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	2.7735	6.0452	25.7596	0.0638	4.1442	0.0908	4.2350	1.1101	0.0838	1.1939	0.0000	4,491.6297	4,491.6297	0.1737	0.0000	4,495.2771
Unmitigated	2.7735	6.0452	25.7596	0.0638	4.1442	0.0908	4.2350	1.1101	0.0838	1.1939	0.0000	4,491.6297	4,491.6297	0.1737	0.0000	4,495.2771

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	514.84	641.24	533.81	729,938	729,938
Hotel	1,968.97	1,973.79	1433.95	4,517,564	4,517,564
Quality Restaurant	2,995.34	3,142.19	2402.93	4,173,638	4,173,638
Regional Shopping Center	52.22	60.78	30.65	108,924	108,924
Strip Mall	803.52	762.19	370.40	1,399,818	1,399,818
Total	6,334.88	6,580.19	4,771.74	10,929,882	10,929,882

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
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
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
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0.530094	0.057664	0.178835	0.124843	0.039181	0.006319	0.017052	0.034445	0.002509	0.003148	0.003693	0.000531	0.001685
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5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,159.6513	1,159.6513	0.0668	0.0138	1,165.3412
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,279.5227	1,279.5227	0.0737	0.0153	1,285.8007
NaturalGas Mitigated	0.0682	0.6196	0.5205	3.7200e-003		0.0471	0.0471		0.0471	0.0471	0.0000	674.5441	674.5441	0.0129	0.0124	678.6493
NaturalGas Unmitigated	0.0767	0.6975	0.5859	4.1800e-003		0.0530	0.0530		0.0530	0.0530	0.0000	759.2970	759.2970	0.0146	0.0139	763.9179

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					
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
High Turnover (Sit Down Restaurant)	880778	4.7500e-003	0.0432	0.0363	2.6000e-004		3.2800e-003	3.2800e-003		3.2800e-003	3.2800e-003	0.0000	47.0017	47.0017	9.0000e-004	8.6000e-004	47.2877
Hotel	5.5403e+006	0.0299	0.2716	0.2281	1.6300e-003		0.0206	0.0206		0.0206	0.0206	0.0000	295.6517	295.6517	5.6700e-003	5.4200e-003	297.4510

Quality Restaurant	7.75923e+006	0.0418	0.3804	0.3195	2.2800e-003		0.0289	0.0289		0.0289	0.0289	0.0000	414.0622	414.0622	7.9400e-003	7.5900e-003	416.5821
Regional Shopping Center	17552.5	9.0000e-005	8.6000e-004	7.2000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.9367	0.9367	2.0000e-005	2.0000e-005	0.9424
Strip Mall	30821	1.7000e-004	1.5100e-003	1.2700e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.6447	1.6447	3.0000e-005	3.0000e-005	1.6547
Total		0.0767	0.6975	0.5859	4.1900e-003		0.0530	0.0530		0.0530	0.0530	0.0000	759.2970	759.2970	0.0146	0.0139	763.9179

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High Turnover (Sit Down Restaurant)	838035	4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003	0.0000	44.7208	44.7208	8.6000e-004	8.2000e-004	44.9929
Hotel	4.37998e+006	0.0236	0.2147	0.1804	1.2900e-003		0.0163	0.0163		0.0163	0.0163	0.0000	233.7326	233.7326	4.4800e-003	4.2900e-003	235.1551
Quality Restaurant	7.38269e+006	0.0398	0.3619	0.3040	2.1700e-003		0.0275	0.0275		0.0275	0.0275	0.0000	393.9686	393.9686	7.5500e-003	7.2200e-003	396.3663
Regional Shopping Center	14429.2	8.0000e-005	7.1000e-004	5.9000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.7700	0.7700	1.0000e-005	1.0000e-005	0.7747
Strip Mall	25336.7	1.4000e-004	1.2400e-003	1.0400e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3521	1.3521	3.0000e-005	2.0000e-005	1.3603
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
Total		0.0682	0.6196	0.5205	3.7200e-003		0.0471	0.0471		0.0471	0.0471	0.0000	674.5441	674.5441	0.0129	0.0124	678.6493

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.55246e+006	354.3520	0.0204	4.2300e-003	356.0906

High Turnover (Sit Down Restaurant)	177320	40.4736	2.3300e-003	4.8000e-004	40.6722
Hotel	1.8822e+006	429.6158	0.0248	5.1200e-003	431.7237
Quality Restaurant	1.5621e+006	356.5535	0.0206	4.2500e-003	358.3029
Regional Shopping Center	156630	35.7512	2.0600e-003	4.3000e-004	35.9266
Strip Mall	275032	62.7767	3.6200e-003	7.5000e-004	63.0847
Total		1,279.5227	0.0737	0.0153	1,285.8007

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	1.32673e+006	302.8290	0.0175	3.6100e-003	304.3148
High Turnover (Sit Down Restaurant)	167955	38.3361	2.2100e-003	4.6000e-004	38.5242
Hotel	1.70948e+006	390.1922	0.0225	4.6500e-003	392.1067
Quality Restaurant	1.4796e+006	337.7225	0.0195	4.0300e-003	339.3795
Regional Shopping Center	143982	32.8642	1.8900e-003	3.9000e-004	33.0255
Strip Mall	252823	57.7074	3.3300e-003	6.9000e-004	57.9905
Total		1,159.6513	0.0668	0.0138	1,165.3412

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.9563	6.0000e-005	6.9000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0133	0.0133	4.0000e-005	0.0000	0.0141
Unmitigated	1.9563	6.0000e-005	6.9000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0133	0.0133	4.0000e-005	0.0000	0.0141

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	0.0863					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.8693					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.5000e-004	6.0000e-005	6.9000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0133	0.0133	4.0000e-005	0.0000	0.0141
Total	1.9563	6.0000e-005	6.9000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0133	0.0133	4.0000e-005	0.0000	0.0141

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	0.0863					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.8693					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.5000e-004	6.0000e-005	6.9000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0133	0.0133	4.0000e-005	0.0000	0.0141

Total	1.9563	6.0000e-005	6.9000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0133	0.0133	4.0000e-005	0.0000	0.0141
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7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	70.8819	0.6382	0.0157	89.1618
Unmitigated	70.8819	0.6384	0.0158	89.1716

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.14736 / 0.0732356	3.9598	0.0376	9.3000e-004	5.0362
Hotel	6.11339 / 0.679266	21.8315	0.2004	4.9400e-003	27.5705
Quality Restaurant	10.1077 / 0.645171	34.8835	0.3312	8.1500e-003	44.3663
Regional Shopping Center	0.764428 / 0.468521	3.7026	0.0251	6.3000e-004	4.4250
Strip Mall	1.34293 / 0.823089	6.5046	0.0441	1.1100e-003	7.7737
Total		70.8819	0.6383	0.0158	89.1716

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.14736 / 0.0732356	3.9598	0.0376	9.2000e-004	5.0356
Hotel	6.11339 / 0.679266	21.8315	0.2003	4.9300e-003	27.5674
Quality Restaurant	10.1077 / 0.645171	34.8835	0.3311	8.1400e-003	44.3612
Regional Shopping Center	0.764428 / 0.468521	3.7026	0.0251	6.3000e-004	4.4246
Strip Mall	1.34293 / 0.823089	6.5046	0.0441	1.1000e-003	7.7730
Total		70.8819	0.6382	0.0157	89.1618

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	12.0374	0.7114	0.0000	26.9765
Unmitigated	48.1495	2.8456	0.0000	107.9060

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	44.98	9.1305	0.5396	0.0000	20.4621
Hotel	131.95	26.7847	1.5829	0.0000	60.0261
Quality Restaurant	30.39	6.1689	0.3646	0.0000	13.8249
Regional Shopping Center	10.84	2.2004	0.1300	0.0000	4.9313
Strip Mall	19.04	3.8650	0.2284	0.0000	8.6616
Total		48.1495	2.8456	0.0000	107.9060

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	11.245	2.2826	0.1349	0.0000	5.1155
Hotel	32.9875	6.6962	0.3957	0.0000	15.0065
Quality Restaurant	7.5975	1.5422	0.0911	0.0000	3.4562

Regional Shopping Center	2.71	0.5501	0.0325	0.0000	1.2328
Strip Mall	4.76	0.9662	0.0571	0.0000	2.1654
Total		12.0374	0.7114	0.0000	26.9765

9.0 Operational Offroad

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

Robertson Lane Hotel Project
Los Angeles-South Coast County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Hotel and parking - Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hotel Site - Building Construction	0.11	0.12	-0.02	0.00	0.10	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Hotel Site - Grading and Site Prep	0.36	0.25	0.09	0.00	0.36	0.35	0.00	0.00	0.00	0.00	0.00	0.00
Hotel Site Demo	0.57	0.45	0.21	0.00	0.51	0.48	0.00	0.00	0.00	0.00	0.00	0.00
Parking - Backfill and Site Grading	0.49	0.36	0.12	0.00	0.41	0.39	0.00	0.00	0.00	0.00	0.00	0.00
Parking - Garage Construction	0.12	0.14	-0.01	0.00	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00
Parking - Grading and Site Prep	0.46	0.35	0.13	0.00	0.42	0.40	0.00	0.00	0.00	0.00	0.00	0.00
Surface Paved Areas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0		1 No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0		1 No Change	0.00
Cranes	Diesel	Tier 3	2		2 No Change	0.00
Excavators	Diesel	Tier 3	6		6 No Change	0.00
Forklifts	Diesel	No Change	0		6 No Change	0.00
Generator Sets	Diesel	No Change	0		2 No Change	0.00

Graders	Diesel	Tier 3		3	3	No Change	0.00
Pavers	Diesel	No Change		0	2	No Change	0.00
Paving Equipment	Diesel	No Change		0	2	No Change	0.00
Rollers	Diesel	No Change		0	2	No Change	0.00
Rubber Tired Dozers	Diesel	Tier 3		5	5	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change		0	15	No Change	0.00
Welders	Diesel	No Change		0	2	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr						Unmitigated mt/yr						
Air Compressors	3.33000E-003	2.29400E-002	2.30200E-002	4.00000E-005	1.61000E-003	1.61000E-003	0.00000E+000	3.19157E+000	3.19157E+000	2.70000E-004	0.00000E+000	3.19723E+000
Concrete/Industrial Saws	1.01700E-002	7.45700E-002	6.56100E-002	1.10000E-004	5.37000E-003	5.37000E-003	0.00000E+000	9.40899E+000	9.40899E+000	8.30000E-004	0.00000E+000	9.42637E+000
Cranes	1.03810E-001	1.23790E+000	4.60090E-001	1.07000E-003	5.35100E-002	4.92300E-002	0.00000E+000	9.72732E+001	9.72732E+001	3.03900E-002	0.00000E+000	9.79114E+001
Excavators	6.91200E-002	7.59590E-001	6.87210E-001	1.07000E-003	3.72400E-002	3.42600E-002	0.00000E+000	9.87114E+001	9.87114E+001	3.03900E-002	0.00000E+000	9.93497E+001
Forklifts	1.14640E-001	1.01290E+000	7.86450E-001	9.90000E-004	8.05300E-002	7.40800E-002	0.00000E+000	9.02952E+001	9.02952E+001	2.82100E-002	0.00000E+000	9.08876E+001
Generator Sets	1.06620E-001	8.75150E-001	8.10200E-001	1.42000E-003	5.50900E-002	5.50900E-002	0.00000E+000	1.22367E+002	1.22367E+002	8.59000E-003	0.00000E+000	1.22548E+002
Graders	1.35000E-001	1.35951E+000	7.12800E-001	9.30000E-004	7.63900E-002	7.02800E-002	0.00000E+000	8.58163E+001	8.58163E+001	2.64700E-002	0.00000E+000	8.63721E+001
Pavers	5.53000E-003	6.00900E-002	5.58000E-002	9.00000E-005	2.94000E-003	2.71000E-003	0.00000E+000	8.12102E+000	8.12102E+000	2.57000E-003	0.00000E+000	8.17497E+000
Paving Equipment	4.19000E-003	4.44500E-002	4.97000E-002	8.00000E-005	2.21000E-003	2.03000E-003	0.00000E+000	7.20683E+000	7.20683E+000	2.28000E-003	0.00000E+000	7.25471E+000
Rollers	4.53000E-003	4.48200E-002	3.81500E-002	5.00000E-005	2.95000E-003	2.71000E-003	0.00000E+000	4.71162E+000	4.71162E+000	1.49000E-003	0.00000E+000	4.74293E+000
Rubber Tired Dozers	2.12580E-001	2.34204E+000	1.77389E+000	1.64000E-003	1.08590E-001	9.99100E-002	0.00000E+000	1.51544E+002	1.51544E+002	4.66800E-002	0.00000E+000	1.52524E+002
Tractors/Loaders/Backhoes	2.81410E-001	2.75801E+000	2.38896E+000	3.16000E-003	1.98050E-001	1.82200E-001	0.00000E+000	2.89260E+002	2.89260E+002	8.98500E-002	0.00000E+000	2.91147E+002
Welders	9.30400E-002	3.61440E-001	4.00080E-001	5.50000E-004	2.39400E-002	2.39400E-002	0.00000E+000	4.07498E+001	4.07498E+001	7.60000E-003	0.00000E+000	4.09093E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr						Mitigated mt/yr						
Air Compressors	3.33000E-003	2.29400E-002	2.30200E-002	4.00000E-005	1.61000E-003	1.61000E-003	0.00000E+000	3.19156E+000	3.19156E+000	2.70000E-004	0.00000E+000	3.19722E+000

Concrete/Industrial Saws	1.01700E-002	7.45700E-002	6.56100E-002	1.10000E-004	5.37000E-003	5.37000E-003	0.00000E+000	9.40897E+000	9.40897E+000	8.30000E-004	0.00000E+000	9.42636E+000
Cranes	2.62800E-002	5.08020E-001	5.69340E-001	1.07000E-003	1.92700E-002	1.92700E-002	0.00000E+000	9.72731E+001	9.72731E+001	3.03900E-002	0.00000E+000	9.79113E+001
Excavators	2.63200E-002	5.08820E-001	8.11480E-001	1.07000E-003	2.45600E-002	2.45600E-002	0.00000E+000	9.87113E+001	9.87113E+001	3.03900E-002	0.00000E+000	9.93495E+001
Forklifts	1.14640E-001	1.01290E+000	7.86450E-001	9.90000E-004	8.05300E-002	7.40800E-002	0.00000E+000	9.02951E+001	9.02951E+001	2.82100E-002	0.00000E+000	9.08875E+001
Generator Sets	1.06620E-001	8.75150E-001	8.10200E-001	1.42000E-003	5.50900E-002	5.50900E-002	0.00000E+000	1.22367E+002	1.22367E+002	8.59000E-003	0.00000E+000	1.22548E+002
Graders	2.25700E-002	4.36400E-001	6.95980E-001	9.30000E-004	2.10700E-002	2.10700E-002	0.00000E+000	8.58162E+001	8.58162E+001	2.64700E-002	0.00000E+000	8.63720E+001
Pavers	5.53000E-003	6.00900E-002	5.58000E-002	9.00000E-005	2.94000E-003	2.71000E-003	0.00000E+000	8.12101E+000	8.12101E+000	2.57000E-003	0.00000E+000	8.17496E+000
Paving Equipment	4.19000E-003	4.44500E-002	4.97000E-002	8.00000E-005	2.21000E-003	2.03000E-003	0.00000E+000	7.20682E+000	7.20682E+000	2.28000E-003	0.00000E+000	7.25470E+000
Rollers	4.53000E-003	4.48200E-002	3.81500E-002	5.00000E-005	2.95000E-003	2.71000E-003	0.00000E+000	4.71162E+000	4.71162E+000	1.49000E-003	0.00000E+000	4.74292E+000
Rubber Tired Dozers	3.98300E-002	7.70030E-001	8.62970E-001	1.64000E-003	2.92100E-002	2.92100E-002	0.00000E+000	1.51544E+002	1.51544E+002	4.66800E-002	0.00000E+000	1.52524E+002
Tractors/Loaders/Backers	2.81400E-001	2.75800E+000	2.38896E+000	3.16000E-003	1.98050E-001	1.82200E-001	0.00000E+000	2.89259E+002	2.89259E+002	8.98500E-002	0.00000E+000	2.91146E+002
Welders	9.30400E-002	3.61440E-001	4.00080E-001	5.50000E-004	2.39400E-002	2.39400E-002	0.00000E+000	4.07497E+001	4.07497E+001	7.60000E-003	0.00000E+000	4.09092E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	3.13325E-006	3.13325E-006	0.00000E+000	0.00000E+000	3.12771E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.12563E-006	2.12563E-006	0.00000E+000	0.00000E+000	1.06085E-006
Cranes	7.46845E-001	5.89611E-001	-2.37454E-001	0.00000E+000	6.39880E-001	6.08572E-001	0.00000E+000	1.23364E-006	1.23364E-006	0.00000E+000	0.00000E+000	1.22560E-006
Excavators	6.19213E-001	3.30139E-001	-1.80833E-001	0.00000E+000	3.40494E-001	2.83129E-001	0.00000E+000	1.21566E-006	1.21566E-006	0.00000E+000	0.00000E+000	1.20786E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21823E-006	1.21823E-006	0.00000E+000	0.00000E+000	1.21029E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14410E-006	1.14410E-006	0.00000E+000	0.00000E+000	1.22401E-006
Graders	8.32815E-001	6.79002E-001	2.35971E-002	0.00000E+000	7.24179E-001	7.00199E-001	0.00000E+000	1.16528E-006	1.16528E-006	0.00000E+000	0.00000E+000	1.15778E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23137E-006	1.23137E-006	0.00000E+000	0.00000E+000	1.22325E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.38757E-006	1.38757E-006	0.00000E+000	0.00000E+000	1.37841E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.10840E-006
Rubber Tired Dozers	8.12635E-001	6.71214E-001	5.13515E-001	0.00000E+000	7.31007E-001	7.07637E-001	0.00000E+000	1.25376E-006	1.25376E-006	0.00000E+000	0.00000E+000	1.24570E-006
Tractors/Loaders/Backers	3.55353E-005	3.62580E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17541E-006	1.17541E-006	0.00000E+000	0.00000E+000	1.20214E-006

Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22700E-006	1.22700E-006	0.00000E+000	0.00000E+000	1.22222E-006
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Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input	Mitigation Input
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00
Yes	Water Exposed Area	PM10 Reduction	61.00	PM2.5 Reduction	61.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	0.00
Yes	Clean Paved Road	% PM Reduction	0.00		

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Hotel and parking - Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Hotel and parking - Architectural Coating	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Hotel Site - Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Hotel Site - Building Construction	Roads	0.23	0.06	0.23	0.06	0.00	0.00
Hotel Site - Grading and Site Prep	Fugitive Dust	0.87	0.44	0.34	0.17	0.61	0.61
Hotel Site - Grading and Site Prep	Roads	0.22	0.06	0.22	0.06	0.00	0.00
Hotel Site Demo	Fugitive Dust	0.04	0.01	0.02	0.00	0.61	0.61
Hotel Site Demo	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Parking - Backfill and Site Grading	Fugitive Dust	0.14	0.07	0.06	0.03	0.61	0.61
Parking - Backfill and Site Grading	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Parking - Garage Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Parking - Garage Construction	Roads	0.06	0.02	0.06	0.02	0.00	0.00
Parking - Grading and Site Prep	Fugitive Dust	0.41	0.21	0.16	0.08	0.61	0.61

Parking - Grading and Site Prep	Roads	0.06	0.02	0.06	0.02	0.00	0.00
Surface Paved Areas	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Surface Paved Areas	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.37	9.37	9.37	9.37	9.37
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	11.14	11.16	11.16	11.22	11.19	11.19	0.00	11.16	11.16	11.20	11.21	11.16
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.25	0.01
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.14	0.39		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			

	Land Use	Land Use SubTotal	0.00		
No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		
No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	250.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	25.00	
No	Install High Efficiency Lighting	0.00	
No	On-site Renewable	0.00	0.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	75.00

CalEEMod Outputs
Existing Use Emissions - Winter, Summer,
Annual, and Mitigation

Robertson Lane Hotel Project - Existing Commercial Uses
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	12.95	1000sqft	0.30	12,950.00	0
Quality Restaurant	6.76	1000sqft	0.16	6,764.00	0
Regional Shopping Center	10.32	1000sqft	0.24	10,325.00	0
Strip Mall	5.80	1000sqft	0.13	5,802.00	0
High Turnover (Sit Down Restaurant)	12.04	1000sqft	0.28	12,040.00	0
Parking Lot	41.33	1000sqft	0.95	41,330.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2015
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	600.85	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Revised CO2 Intensity Factor based on 20% RPS Standard by 2013

Land Use - Land Uses based on Trip Gen Table and PD. Strip mall represents retail. Regional shopping represents design showroom. High Turnover Restaurant represents Nightclub.

Construction Phase - Not included. Modeling Existing Operations Only

Vehicle Trips - Input weekday trip rates per the Trip Generation Summary and adjusted Saturday and Sunday trip rates based on ratio of weekday/weekend rates

Area Coating - Non-res Interior and Exterior VOC modified to 50 and 100 g/L per SCAQMD Rule 1113. Modified non-residential interior and exterior area to be coated based on CalEEMod architectural coating surface area equations and an adjustment for parking.

Energy Use - Using "Historical Data" option based on existing buildings age (i.e., built before 2005)

Waste Mitigation - 75% waste diversion consistent with AB 341 (not mitigation)

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	24,560.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	73,681.00	0.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_Nonresidential_Exterior	24560	26420
tblAreaCoating	Area_Nonresidential_Interior	73681	71822
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	600.85
tblProjectCharacteristics	OperationalYear	2014	2015
tblTripsAndVMT	WorkerTripNumber	7.00	0.00
tblVehicleTrips	ST_TR	49.97	5.89
tblVehicleTrips	ST_TR	158.37	169.64
tblVehicleTrips	SU_TR	25.24	2.97
tblVehicleTrips	SU_TR	131.84	141.22
tblVehicleTrips	WD_TR	42.94	5.06
tblVehicleTrips	WD_TR	127.15	136.20

2.0 Emissions Summary

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	1.8465	9.0000e-005	9.4200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	6.0000e-005		0.0207
Energy	0.1386	1.2604	1.0587	7.5600e-003		0.0958	0.0958		0.0958	0.0958		1,512.4830	1,512.4830	0.0290	0.0277	1,521.6877
Mobile	13.4428	25.1651	112.1032	0.1648	11.0847	0.3616	11.4463	2.9632	0.3318	3.2950		15,280.8022	15,280.8022	0.7973		15,297.5464
Total	15.4279	26.4256	113.1714	0.1723	11.0847	0.4574	11.5421	2.9632	0.4276	3.3908		16,793.3048	16,793.3048	0.8264	0.0277	16,819.2549

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	1.8465	9.0000e-005	9.4200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	6.0000e-005		0.0207
Energy	0.1386	1.2604	1.0587	7.5600e-003		0.0958	0.0958		0.0958	0.0958		1,512.4830	1,512.4830	0.0290	0.0277	1,521.6877
Mobile	13.4428	25.1651	112.1032	0.1648	11.0847	0.3616	11.4463	2.9632	0.3318	3.2950		15,280.8022	15,280.8022	0.7973		15,297.5464
Total	15.4279	26.4256	113.1714	0.1723	11.0847	0.4574	11.5421	2.9632	0.4276	3.3908		16,793.3048	16,793.3048	0.8264	0.0277	16,819.2549

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

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						
Unmitigated	13.4428	25.1651	112.1032	0.1648	11.0847	0.3616	11.4463	2.9632	0.3318	3.2950			15,280.8022	15,280.8022	0.7973		15,297.5464
Mitigated	13.4428	25.1651	112.1032	0.1648	11.0847	0.3616	11.4463	2.9632	0.3318	3.2950			15,280.8022	15,280.8022	0.7973		15,297.5464

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Health Club	426.44	270.27	346.15	839,815	839,815
Quality Restaurant	608.06	637.87	487.80	847,261	847,261
Regional Shopping Center	52.22	60.78	30.65	108,924	108,924
High Turnover (Sit Down Restaurant)	1,639.85	2,042.47	1700.29	2,324,988	2,324,988
Parking Lot	0.00	0.00	0.00		
Strip Mall	257.06	243.83	118.49	447,818	447,818
Total	2,983.63	3,255.22	2,683.39	4,568,806	4,568,806

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.535275	0.058759	0.178478	0.127034	0.038632	0.006246	0.015618	0.028471	0.002426	0.003171	0.003696	0.000547	0.001645

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1386	1.2604	1.0587	7.5600e-003		0.0958	0.0958		0.0958	0.0958		1,512.4830	1,512.4830	0.0290	0.0277	1,521.6877
NaturalGas Unmitigated	0.1386	1.2604	1.0587	7.5600e-003		0.0958	0.0958		0.0958	0.0958		1,512.4830	1,512.4830	0.0290	0.0277	1,521.6877

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					
High Turnover (Sit Down Restaurant)	7730.34	0.0834	0.7579	0.6366	4.5500e-003		0.0576	0.0576		0.0576	0.0576		909.4517	909.4517	0.0174	0.0167	914.9865
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
Quality Restaurant	4342.86	0.0468	0.4258	0.3577	2.5500e-003		0.0324	0.0324		0.0324	0.0324		510.9245	510.9245	9.7900e-003	9.3700e-003	514.0340

Regional Shopping Center	51.4836	5.6000e-004	5.0500e-003	4.2400e-003	3.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004		6.0569	6.0569	1.2000e-004	1.1000e-004	6.0938
Strip Mall	28.9305	3.1000e-004	2.8400e-003	2.3800e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		3.4036	3.4036	7.0000e-005	6.0000e-005	3.4243
Health Club	702.493	7.5800e-003	0.0689	0.0579	4.1000e-004		5.2300e-003	5.2300e-003		5.2300e-003	5.2300e-003		82.6463	82.6463	1.5800e-003	1.5200e-003	83.1492
Total		0.1387	1.2604	1.0587	7.5600e-003		0.0958	0.0958		0.0958	0.0958		1,512.4830	1,512.4830	0.0290	0.0277	1,521.6877

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Quality Restaurant	4.34286	0.0468	0.4258	0.3577	2.5500e-003		0.0324	0.0324		0.0324	0.0324		510.9245	510.9245	9.7900e-003	9.3700e-003	514.0340
Regional Shopping Center	0.0514836	5.6000e-004	5.0500e-003	4.2400e-003	3.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004		6.0569	6.0569	1.2000e-004	1.1000e-004	6.0938
Strip Mall	0.0289305	3.1000e-004	2.8400e-003	2.3800e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		3.4036	3.4036	7.0000e-005	6.0000e-005	3.4243
Health Club	0.702493	7.5800e-003	0.0689	0.0579	4.1000e-004		5.2300e-003	5.2300e-003		5.2300e-003	5.2300e-003		82.6463	82.6463	1.5800e-003	1.5200e-003	83.1492
High Turnover (Sit Down Restaurant)	7.73034	0.0834	0.7579	0.6366	4.5500e-003		0.0576	0.0576		0.0576	0.0576		909.4517	909.4517	0.0174	0.0167	914.9865
Total		0.1387	1.2604	1.0587	7.5600e-003		0.0958	0.0958		0.0958	0.0958		1,512.4830	1,512.4830	0.0290	0.0277	1,521.6877

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated	1.8465	9.0000e-005	9.4200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	6.0000e-005		0.0207
Mitigated	1.8465	9.0000e-005	9.4200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	6.0000e-005		0.0207

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Architectural Coating	0.0792					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7664					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.3000e-004	9.0000e-005	9.4200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	6.0000e-005		0.0207
Total	1.8465	9.0000e-005	9.4200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	6.0000e-005		0.0207

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Architectural Coating	0.0792					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7664					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.3000e-004	9.0000e-005	9.4200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	6.0000e-005		0.0207

Total	1.8465	9.0000e-005	9.4200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	6.0000e-005		0.0207
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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 Vegetation

Robertson Lane Hotel Project - Existing Commercial Uses
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	12.95	1000sqft	0.30	12,950.00	0
Quality Restaurant	6.76	1000sqft	0.16	6,764.00	0
Regional Shopping Center	10.32	1000sqft	0.24	10,325.00	0
Strip Mall	5.80	1000sqft	0.13	5,802.00	0
High Turnover (Sit Down Restaurant)	12.04	1000sqft	0.28	12,040.00	0
Parking Lot	41.33	1000sqft	0.95	41,330.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2015
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	600.85	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Revised CO2 Intensity Factor based on 20% RPS Standard by 2013

Land Use - Land Uses based on Trip Gen Table and PD. Strip mall represents retail. Regional shopping represents design showroom. High Turnover Restaurant represents Nightclub.

Construction Phase - Not included. Modeling Existing Operations Only

Vehicle Trips - Input weekday trip rates per the Trip Generation Summary and adjusted Saturday and Sunday trip rates based on ratio of weekday/weekend rates

Area Coating - Non-res Interior and Exterior VOC modified to 50 and 100 g/L per SCAQMD Rule 1113. Modified non-residential interior and exterior area to be coated based on CalEEMod architectural coating surface area equations and an adjustment for parking.

Energy Use - Using "Historical Data" option based on existing buildings age (i.e., built before 2005)

Waste Mitigation - 75% waste diversion consistent with AB 341 (not mitigation)

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	24,560.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	73,681.00	0.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_Nonresidential_Exterior	24560	26420
tblAreaCoating	Area_Nonresidential_Interior	73681	71822
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	600.85
tblProjectCharacteristics	OperationalYear	2014	2015
tblTripsAndVMT	WorkerTripNumber	7.00	0.00
tblVehicleTrips	ST_TR	49.97	5.89
tblVehicleTrips	ST_TR	158.37	169.64
tblVehicleTrips	SU_TR	25.24	2.97
tblVehicleTrips	SU_TR	131.84	141.22
tblVehicleTrips	WD_TR	42.94	5.06
tblVehicleTrips	WD_TR	127.15	136.20

2.0 Emissions Summary

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	1.8465	9.0000e-005	9.4200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	6.0000e-005		0.0207
Energy	0.1386	1.2604	1.0587	7.5600e-003		0.0958	0.0958		0.0958	0.0958		1,512.4830	1,512.4830	0.0290	0.0277	1,521.6877
Mobile	12.5304	23.9592	106.8122	0.1724	11.0847	0.3570	11.4416	2.9632	0.3275	3.2907		15,992.6374	15,992.6374	0.7964		16,009.3622
Total	14.5155	25.2197	107.8803	0.1800	11.0847	0.4528	11.5375	2.9632	0.4233	3.3865		17,505.1400	17,505.1400	0.8255	0.0277	17,531.0707

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	1.8465	9.0000e-005	9.4200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	6.0000e-005		0.0207
Energy	0.1386	1.2604	1.0587	7.5600e-003		0.0958	0.0958		0.0958	0.0958		1,512.4830	1,512.4830	0.0290	0.0277	1,521.6877
Mobile	12.5304	23.9592	106.8122	0.1724	11.0847	0.3570	11.4416	2.9632	0.3275	3.2907		15,992.6374	15,992.6374	0.7964		16,009.3622
Total	14.5155	25.2197	107.8803	0.1800	11.0847	0.4528	11.5375	2.9632	0.4233	3.3865		17,505.1400	17,505.1400	0.8255	0.0277	17,531.0707

	ROG	NOx	CO	SO2	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

4.0 Operational Detail - Mobile

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					
Unmitigated	12.5304	23.9592	106.8122	0.1724	11.0847	0.3570	11.4416	2.9632	0.3275	3.2907		15,992.6374	15,992.6374	0.7964		16,009.3622
Mitigated	12.5304	23.9592	106.8122	0.1724	11.0847	0.3570	11.4416	2.9632	0.3275	3.2907		15,992.6374	15,992.6374	0.7964		16,009.3622

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Health Club	426.44	270.27	346.15	839,815	839,815
Quality Restaurant	608.06	637.87	487.80	847,261	847,261
Regional Shopping Center	52.22	60.78	30.65	108,924	108,924
High Turnover (Sit Down Restaurant)	1,639.85	2,042.47	1700.29	2,324,988	2,324,988
Parking Lot	0.00	0.00	0.00		
Strip Mall	257.06	243.83	118.49	447,818	447,818
Total	2,983.63	3,255.22	2,683.39	4,568,806	4,568,806

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.535275	0.058759	0.178478	0.127034	0.038632	0.006246	0.015618	0.028471	0.002426	0.003171	0.003696	0.000547	0.001645

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1386	1.2604	1.0587	7.5600e-003		0.0958	0.0958		0.0958	0.0958		1,512.4830	1,512.4830	0.0290	0.0277	1,521.6877
NaturalGas Unmitigated	0.1386	1.2604	1.0587	7.5600e-003		0.0958	0.0958		0.0958	0.0958		1,512.4830	1,512.4830	0.0290	0.0277	1,521.6877

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					
High Turnover (Sit Down Restaurant)	7730.34	0.0834	0.7579	0.6366	4.5500e-003		0.0576	0.0576		0.0576	0.0576		909.4517	909.4517	0.0174	0.0167	914.9865
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
Quality Restaurant	4342.86	0.0468	0.4258	0.3577	2.5500e-003		0.0324	0.0324		0.0324	0.0324		510.9245	510.9245	9.7900e-003	9.3700e-003	514.0340

Regional Shopping Center	51.4836	5.6000e-004	5.0500e-003	4.2400e-003	3.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004		6.0569	6.0569	1.2000e-004	1.1000e-004	6.0938
Strip Mall	28.9305	3.1000e-004	2.8400e-003	2.3800e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		3.4036	3.4036	7.0000e-005	6.0000e-005	3.4243
Health Club	702.493	7.5800e-003	0.0689	0.0579	4.1000e-004		5.2300e-003	5.2300e-003		5.2300e-003	5.2300e-003		82.6463	82.6463	1.5800e-003	1.5200e-003	83.1492
Total		0.1387	1.2604	1.0587	7.5600e-003		0.0958	0.0958		0.0958	0.0958		1,512.4830	1,512.4830	0.0290	0.0277	1,521.6877

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Quality Restaurant	4.34286	0.0468	0.4258	0.3577	2.5500e-003		0.0324	0.0324		0.0324	0.0324		510.9245	510.9245	9.7900e-003	9.3700e-003	514.0340
Regional Shopping Center	0.0514836	5.6000e-004	5.0500e-003	4.2400e-003	3.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004		6.0569	6.0569	1.2000e-004	1.1000e-004	6.0938
Strip Mall	0.0289305	3.1000e-004	2.8400e-003	2.3800e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		3.4036	3.4036	7.0000e-005	6.0000e-005	3.4243
Health Club	0.702493	7.5800e-003	0.0689	0.0579	4.1000e-004		5.2300e-003	5.2300e-003		5.2300e-003	5.2300e-003		82.6463	82.6463	1.5800e-003	1.5200e-003	83.1492
High Turnover (Sit Down Restaurant)	7.73034	0.0834	0.7579	0.6366	4.5500e-003		0.0576	0.0576		0.0576	0.0576		909.4517	909.4517	0.0174	0.0167	914.9865
Total		0.1387	1.2604	1.0587	7.5600e-003		0.0958	0.0958		0.0958	0.0958		1,512.4830	1,512.4830	0.0290	0.0277	1,521.6877

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day			
Unmitigated	1.8465	9.0000e-005	9.4200e-003	0.0000		3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005		0.0195	0.0195	6.0000e-005	0.0207
Mitigated	1.8465	9.0000e-005	9.4200e-003	0.0000		3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005		0.0195	0.0195	6.0000e-005	0.0207

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	0.0792					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7664					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.3000e-004	9.0000e-005	9.4200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0195	0.0195	6.0000e-005	0.0207
Total	1.8465	9.0000e-005	9.4200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0195	0.0195	6.0000e-005	0.0207

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	0.0792					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7664					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.3000e-004	9.0000e-005	9.4200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0195	0.0195	6.0000e-005	0.0207

Total	1.8465	9.0000e-005	9.4200e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0195	0.0195	6.0000e-005		0.0207
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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 Vegetation

**Robertson Lane Hotel Project - Existing Commercial Uses
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	12.95	1000sqft	0.30	12,950.00	0
Quality Restaurant	6.76	1000sqft	0.16	6,764.00	0
Regional Shopping Center	10.32	1000sqft	0.24	10,325.00	0
Strip Mall	5.80	1000sqft	0.13	5,802.00	0
High Turnover (Sit Down Restaurant)	12.04	1000sqft	0.28	12,040.00	0
Parking Lot	41.33	1000sqft	0.95	41,330.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11	Operational Year	2015		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	600.85	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Revised CO2 Intensity Factor based on 20% RPS Standard by 2013

Land Use - Land Uses based on Trip Gen Table and PD. Strip mall represents retail. Regional shopping represents design showroom. High Turnover Restaurant represents Nightclub.

Construction Phase - Not included. Modeling Existing Operations Only

Vehicle Trips - Input weekday trip rates per the Trip Generation Summary and adjusted Saturday and Sunday trip rates based on ratio of weekday/weekend rates

Area Coating - Non-res Interior and Exterior VOC modified to 50 and 100 g/L per SCAQMD Rule 1113. Modified non-residential interior and exterior area to be coated based on CalEEMod architectural coating surface area equations and an adjustment for parking.

Energy Use - Using "Historical Data" option based on existing buildings age (i.e., built before 2005)

Waste Mitigation - 75% waste diversion consistent with AB 341 (not mitigation)

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	24,560.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	73,681.00	0.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_Nonresidential_Exterior	24560	26420
tblAreaCoating	Area_Nonresidential_Interior	73681	71822
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	600.85
tblProjectCharacteristics	OperationalYear	2014	2015
tblTripsAndVMT	WorkerTripNumber	7.00	0.00
tblVehicleTrips	ST_TR	49.97	5.89
tblVehicleTrips	ST_TR	158.37	169.64
tblVehicleTrips	SU_TR	25.24	2.97
tblVehicleTrips	SU_TR	131.84	141.22
tblVehicleTrips	WD_TR	42.94	5.06
tblVehicleTrips	WD_TR	127.15	136.20

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	0.3369	1.0000e-005	1.1800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2100e-003	2.2100e-003	1.0000e-005	0.0000	2.3500e-003
Energy	0.0253	0.2300	0.1932	1.3800e-003		0.0175	0.0175		0.0175	0.0175	0.0000	622.3614	622.3614	0.0228	8.3100e-003	625.4138
Mobile	1.9935	4.0719	17.7018	0.0265	1.7302	0.0570	1.7872	0.4633	0.0523	0.5156	0.0000	2,232.2873	2,232.2873	0.1148	0.0000	2,234.6984
Waste						0.0000	0.0000		0.0000	0.0000	48.7564	0.0000	48.7564	2.8814	0.0000	109.2662
Water						0.0000	0.0000		0.0000	0.0000	2.4322	31.9464	34.3786	0.2514	6.2200e-003	41.5844
Total	2.3557	4.3019	17.8962	0.0279	1.7302	0.0745	1.8047	0.4633	0.0698	0.5331	51.1886	2,886.5973	2,937.7859	3.2704	0.0145	3,010.9652

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	0.3369	1.0000e-005	1.1800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2100e-003	2.2100e-003	1.0000e-005	0.0000	2.3500e-003
Energy	0.0253	0.2300	0.1932	1.3800e-003		0.0175	0.0175		0.0175	0.0175	0.0000	622.3614	622.3614	0.0228	8.3100e-003	625.4138
Mobile	1.9935	4.0719	17.7018	0.0265	1.7302	0.0570	1.7872	0.4633	0.0523	0.5156	0.0000	2,232.2873	2,232.2873	0.1148	0.0000	2,234.6984
Waste						0.0000	0.0000		0.0000	0.0000	12.1891	0.0000	12.1891	0.7204	0.0000	27.3166
Water						0.0000	0.0000		0.0000	0.0000	2.4322	31.9464	34.3786	0.2513	6.2100e-003	41.5805
Total	2.3557	4.3019	17.8962	0.0279	1.7302	0.0745	1.8047	0.4633	0.0698	0.5331	14.6213	2,886.5973	2,901.2186	1.1093	0.0145	2,929.0116

	ROG	NOx	CO	SO2	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	71.44	0.00	1.24	66.08	0.07	2.72

4.0 Operational Detail - Mobile

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					
Unmitigated	1.9935	4.0719	17.7018	0.0265	1.7302	0.0570	1.7872	0.4633	0.0523	0.5156	0.0000	2,232.2873	2,232.2873	0.1148	0.0000	2,234.6984
Mitigated	1.9935	4.0719	17.7018	0.0265	1.7302	0.0570	1.7872	0.4633	0.0523	0.5156	0.0000	2,232.2873	2,232.2873	0.1148	0.0000	2,234.6984

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Health Club	426.44	270.27	346.15	839,815	839,815
Quality Restaurant	608.06	637.87	487.80	847,261	847,261
Regional Shopping Center	52.22	60.78	30.65	108,924	108,924
High Turnover (Sit Down Restaurant)	1,639.85	2,042.47	1700.29	2,324,988	2,324,988
Parking Lot	0.00	0.00	0.00		
Strip Mall	257.06	243.83	118.49	447,818	447,818
Total	2,983.63	3,255.22	2,683.39	4,568,806	4,568,806

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.535275	0.058759	0.178478	0.127034	0.038632	0.006246	0.015618	0.028471	0.002426	0.003171	0.003696	0.000547	0.001645

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas Mitigated	0.0253	0.2300	0.1932	1.3800e-003		0.0175	0.0175		0.0175	0.0175	0.0000	250.4085	250.4085	4.8000e-003	4.5900e-003	251.9325
NaturalGas Unmitigated	0.0253	0.2300	0.1932	1.3800e-003		0.0175	0.0175		0.0175	0.0175	0.0000	250.4085	250.4085	4.8000e-003	4.5900e-003	251.9325
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	371.9529	371.9529	0.0180	3.7100e-003	373.4813
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	371.9529	371.9529	0.0180	3.7100e-003	373.4813

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					
High Turnover (Sit Down Restaurant)	2.82157e+006	0.0152	0.1383	0.1162	8.3000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	150.5699	150.5699	2.8900e-003	2.7600e-003	151.4863

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	0.0000	0.0000
Quality Restaurant	1.58514e+006	8.5500e-003	0.0777	0.0653	4.7000e-004	5.9100e-003	5.9100e-003	5.9100e-003	5.9100e-003	5.9100e-003	0.0000	84.5893	84.5893	1.6200e-003	1.5500e-003	85.1041	
Regional Shopping Center	18791.5	1.0000e-004	9.2000e-004	7.7000e-004	1.0000e-005	7.0000e-005	7.0000e-005	7.0000e-005	7.0000e-005	7.0000e-005	0.0000	1.0028	1.0028	2.0000e-005	2.0000e-005	1.0089	
Strip Mall	10559.6	6.0000e-005	5.2000e-004	4.3000e-004	0.0000	4.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	0.0000	0.5635	0.5635	1.0000e-005	1.0000e-005	0.5669	
Health Club	256410	1.3800e-003	0.0126	0.0106	8.0000e-005	9.6000e-004	9.6000e-004	9.6000e-004	9.6000e-004	9.6000e-004	0.0000	13.6830	13.6830	2.6000e-004	2.5000e-004	13.7663	
Total		0.0253	0.2300	0.1932	1.3900e-003	0.0175	0.0175	0.0175	0.0175	0.0175	0.0000	250.4085	250.4085	4.8000e-003	4.5900e-003	251.9325	

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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	0.0000	0.0000
Quality Restaurant	1.58514e+006	8.5500e-003	0.0777	0.0653	4.7000e-004	5.9100e-003	5.9100e-003	5.9100e-003	5.9100e-003	5.9100e-003	5.9100e-003	0.0000	84.5893	84.5893	1.6200e-003	1.5500e-003	85.1041
Regional Shopping Center	18791.5	1.0000e-004	9.2000e-004	7.7000e-004	1.0000e-005	7.0000e-005	7.0000e-005	7.0000e-005	7.0000e-005	7.0000e-005	7.0000e-005	0.0000	1.0028	1.0028	2.0000e-005	2.0000e-005	1.0089
Strip Mall	10559.6	6.0000e-005	5.2000e-004	4.3000e-004	0.0000	4.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	0.0000	0.5635	0.5635	1.0000e-005	1.0000e-005	0.5669
Health Club	256410	1.3800e-003	0.0126	0.0106	8.0000e-005	9.6000e-004	9.6000e-004	9.6000e-004	9.6000e-004	9.6000e-004	9.6000e-004	0.0000	13.6830	13.6830	2.6000e-004	2.5000e-004	13.7663
High Turnover (Sit Down Restaurant)	2.82157e+006	0.0152	0.1383	0.1162	8.3000e-004	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0000	150.5699	150.5699	2.8900e-003	2.7600e-003	151.4863
Total		0.0253	0.2300	0.1932	1.3900e-003	0.0175	0.0175	0.0175	0.0175	0.0175	0.0175	0.0000	250.4085	250.4085	4.8000e-003	4.5900e-003	251.9325

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
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Land Use	kWh/yr	MT/yr			
Health Club	162393	44.2588	2.1400e-003	4.4000e-004	44.4406
High Turnover (Sit Down Restaurant)	581773	158.5569	7.6500e-003	1.5800e-003	159.2085
Parking Lot	36370.4	9.9124	4.8000e-004	1.0000e-004	9.9532
Quality Restaurant	326836	89.0763	4.3000e-003	8.9000e-004	89.4424
Regional Shopping Center	164787	44.9112	2.1700e-003	4.5000e-004	45.0958
Strip Mall	92599.9	25.2373	1.2200e-003	2.5000e-004	25.3410
Total		371.9529	0.0180	3.7100e-003	373.4813

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Health Club	162393	44.2588	2.1400e-003	4.4000e-004	44.4406
High Turnover (Sit Down Restaurant)	581773	158.5569	7.6500e-003	1.5800e-003	159.2085
Parking Lot	36370.4	9.9124	4.8000e-004	1.0000e-004	9.9532
Quality Restaurant	326836	89.0763	4.3000e-003	8.9000e-004	89.4424
Regional Shopping Center	164787	44.9112	2.1700e-003	4.5000e-004	45.0958
Strip Mall	92599.9	25.2373	1.2200e-003	2.5000e-004	25.3410
Total		371.9529	0.0180	3.7100e-003	373.4813

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Unmitigated	0.3369	1.0000e-005	1.1800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2100e-003	2.2100e-003	1.0000e-005	0.0000	2.3500e-003
Mitigated	0.3369	1.0000e-005	1.1800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2100e-003	2.2100e-003	1.0000e-005	0.0000	2.3500e-003

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	0.0145					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3224					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2000e-004	1.0000e-005	1.1800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2100e-003	2.2100e-003	1.0000e-005	0.0000	2.3500e-003
Total	0.3369	1.0000e-005	1.1800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.2100e-003	2.2100e-003	1.0000e-005	0.0000	2.3500e-003

Mitigated

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

Architectural Coating	0.0145					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3224					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2000e-004	1.0000e-005	1.1800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	2.2100e-003	2.2100e-003	1.0000e-005	0.0000	2.3500e-003
Total	0.3369	1.0000e-005	1.1800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	2.2100e-003	2.2100e-003	1.0000e-005	0.0000	2.3500e-003

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	34.3786	0.2514	6.2200e-003	41.5844
Mitigated	34.3786	0.2513	6.2100e-003	41.5805

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Health Club	0.765904 / 0.469425	4.3824	0.0252	6.3000e-004	5.1062
High Turnover (Sit Down Restaurant)	3.65455 / 0.233269	14.8348	0.1197	2.9500e-003	18.2634
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	2.05189 / 0.130972	8.3292	0.0672	1.6600e-003	10.2542

Regional Shopping Center	0.764428 / 0.468521	4.3739	0.0251	6.3000e-004	5.0963
Strip Mall	0.429621 / 0.263316	2.4582	0.0141	3.5000e-004	2.8642
Total		34.3786	0.2514	6.2200e-003	41.5844

Mitigated

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			
Health Club	0.765904 / 0.469425	4.3824	0.0252	6.3000e-004	5.1058
High Turnover (Sit Down Restaurant)	3.65455 / 0.233269	14.8348	0.1197	2.9400e-003	18.2616
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	2.05189 / 0.130972	8.3292	0.0672	1.6500e-003	10.2532
Regional Shopping Center	0.764428 / 0.468521	4.3739	0.0251	6.3000e-004	5.0959
Strip Mall	0.429621 / 0.263316	2.4582	0.0141	3.5000e-004	2.8640
Total		34.3786	0.2513	6.2000e-003	41.5805

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
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	MT/yr			
Mitigated	12.1891	0.7204	0.0000	27.3166
Unmitigated	48.7564	2.8814	0.0000	109.2662

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Health Club	73.81	14.9828	0.8855	0.0000	33.5773
High Turnover (Sit Down Restaurant)	143.28	29.0846	1.7189	0.0000	65.1803
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	6.17	1.2525	0.0740	0.0000	2.8068
Regional Shopping Center	10.84	2.2004	0.1300	0.0000	4.9313
Strip Mall	6.09	1.2362	0.0731	0.0000	2.7704
Total		48.7564	2.8814	0.0000	109.2662

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Health Club	18.4525	3.7457	0.2214	0.0000	8.3943

High Turnover (Sit Down Restaurant)	35.82	7.2711	0.4297	0.0000	16.2951
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	1.5425	0.3131	0.0185	0.0000	0.7017
Regional Shopping Center	2.71	0.5501	0.0325	0.0000	1.2328
Strip Mall	1.5225	0.3091	0.0183	0.0000	0.6926
Total		12.1891	0.7203	0.0000	27.3166

9.0 Operational Offroad

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

Robertson Lane Hotel Project - Existing Commercial Uses
Los Angeles-South Coast County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.32	0.01
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.20	0.48		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			

No	Land Use	Increase Transit Accessibility	0.25		
No	Land Use	Integrate Below Market Rate Housing	0.00		
	Land Use	Land Use SubTotal	0.00		
No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		
No	School Trip	Implement School Bus Program	0.00		

Total VMT Reduction	0.00
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Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	250.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	75.00

Architectural Coating Area Calculation

Robertson Lane Mixed Use Project - Architectural Coatings

Proposed Project

	INPUT VALUES
	Assumed:
<i>Non-Residential SF</i>	286,970
Non-Residential Interior	430,455
Non-Residential Exterior	143,485
<i>Parking SF</i>	230,335
Parking Exterior * 6%	13,820.10
Non-Residential Exterior	157,305

LandUseSubType	LandUseUr	LandUseSi:	LandUseSquareFeet
Quality Restaurant	33	ksf	33,300
Specialty Retail	18	ksf	18,130
Design Showroom	10	ksf	10,325
Hotel	241	rooms	221,435
Nightclub	4	ksf	3,780
Parking Enclosure	230	ksf	230,335

Existing

	INPUT VALUES
	Assumed:
<i>Non-Residential SF</i>	47,881
Non-Residential Interior	71,822
Non-Residential Exterior	23,941
<i>Parking SF</i>	41,330
Parking Exterior * 6%	2,479.80
Non-Residential Exterior	26,420

LandUseSubType	LandUseUr	LandUseSi:	LandUseSquareFeet
Quality Restaurant	7	ksf	6,764
Specialty Retail	6	ksf	5,802
Design Showroom	10	ksf	10,325
Gym	13	ksf	12,950
Nightclub	12	ksf	12,040
Parking	41	ksf	41,330

LST Interpolation

Robertson Lane Mixed Use Project - Localized Significance Thresholds

LST Thresholds (pounds per day)

Parking Grading 25 meters from park, 2.5-acres

acres	2	2.50	5
NOx	147	159	221
CO	827	944	1,531
PM10	6	7.17	13
PM2.5	4	4	6

Source Receptor Area: 2 West Hollywood

Hotel Site Demo 65 meters from park, 1-acre

stance (m)	50	65	100
NOx	104	109	121
CO	833	953	1,233
PM10	12	17	27
PM2.5	4	5	8

Source Receptor Area: 2 West Hollywood

Overlap

Parking Grading + Hotel Site Demo

NOx	CO	PM10	PM2.5
78.6796	59.2746	10.5987	5.7561

Proportion of Emissions by Activity

NOx	CO	PM10	PM2.5	
0.457329	0.4281969	0.435025	0.554455	Parking Grading
0.542671	0.5718031	0.564975	0.445545	Hotel Demo

Interpolated LST Thresholds

NOx	CO	PM10	PM2.5
132.07	949.29	12.44	4.72

Mitigated Overlap Emissions

Parking Grading + Hotel Site Demo

NOx	CO	PM10	PM2.5	
18.7432	20.5315	3.6795	2.3685	Parking Grading
20.1651	25.1554	1.9418	1.1324	Hotel Demo
38.9083	45.6869	5.6213	3.5009	Total