

New Hotel - Los Angeles-South Coast County, Summer

**New Hotel**  
**Los Angeles-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	84.00	Room	0.50	21,780.00	25

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	12	<b>Operational Year</b>		2022	
<b>Utility Company</b>	Glendale Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	1115.33	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - Per Project Description
- Demolition -
- Area Coating - Project Description
- Construction Off-road Equipment Mitigation - pd
- Mobile Land Use Mitigation -
- Mobile Commute Mitigation -
- Area Mitigation -
- Water Mitigation -

## New Hotel - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	0	31346
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	55
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	55
tblLandUse	LandUseSquareFeet	121,968.00	21,780.00
tblLandUse	LotAcreage	2.80	0.50
tblLandUse	Population	0.00	25.00

**2.0 Emissions Summary**

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**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5272	8.0000e-005	8.5900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196
Energy	0.0154	0.1403	0.1178	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.3431	168.3431	3.2300e-003	3.0900e-003	169.3435
Mobile	1.0699	4.8866	12.5072	0.0439	3.4908	0.0358	3.5266	0.9342	0.0334	0.9676		4,470.0417	4,470.0417	0.2318		4,475.835
<b>Total</b>	<b>1.6125</b>	<b>5.0289</b>	<b>12.6336</b>	<b>0.0447</b>	<b>3.4908</b>	<b>0.0465</b>	<b>3.5372</b>	<b>0.9342</b>	<b>0.0441</b>	<b>0.9783</b>		<b>4,638.4031</b>	<b>4,638.4031</b>	<b>0.2350</b>	<b>3.0900e-003</b>	<b>4,645.198</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5272	8.0000e-005	8.5900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196
Energy	0.0154	0.1403	0.1178	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.3431	168.3431	3.2300e-003	3.0900e-003	169.3435
Mobile	1.0468	4.7463	11.9128	0.0415	3.2865	0.0339	3.3204	0.8795	0.0316	0.9112		4,228.1765	4,228.1765	0.2208		4,233.696
<b>Total</b>	<b>1.5894</b>	<b>4.8866</b>	<b>12.0392</b>	<b>0.0424</b>	<b>3.2865</b>	<b>0.0446</b>	<b>3.3311</b>	<b>0.8795</b>	<b>0.0423</b>	<b>0.9219</b>		<b>4,396.5380</b>	<b>4,396.5380</b>	<b>0.2241</b>	<b>3.0900e-003</b>	<b>4,403.059</b>

## New Hotel - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.43	2.83	4.70	5.32	5.85	4.00	5.83	5.85	3.95	5.77	0.00	5.21	5.21	4.67	0.00	5.21

**3.0 Construction Detail****Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/20/2021	2/2/2021	5	10	
2	Site Preparation	Site Preparation	2/3/2021	2/3/2021	5	1	
3	Grading	Grading	2/4/2021	2/5/2021	5	2	
4	Building Construction	Building Construction	2/6/2021	6/25/2021	5	100	
5	Paving	Paving	6/26/2021	7/2/2021	5	5	
6	Architectural Coating	Architectural Coating	7/3/2021	7/9/2021	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 32,670; Non-Residential Outdoor: 10,890; Striped Parking Area: 0 (Architectural Coating – sqft)

**OffRoad Equipment**

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	350.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	9.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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**3.1 Mitigation Measures Construction**

Replace Ground Cover

**3.2 Demolition - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
<b>Total</b>	<b>0.7965</b>	<b>7.2530</b>	<b>7.5691</b>	<b>0.0120</b>		<b>0.4073</b>	<b>0.4073</b>		<b>0.3886</b>	<b>0.3886</b>		<b>1,147.4338</b>	<b>1,147.4338</b>	<b>0.2138</b>		<b>1,152.7797</b>

New Hotel - Los Angeles-South Coast County, Summer

**3.2 Demolition - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2918	9.3885	2.2013	0.0273	0.6120	0.0288	0.6408	0.1678	0.0276	0.1953		2,962.5620	2,962.5620	0.2011		2,967.5882
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	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
<b>Total</b>	<b>0.3347</b>	<b>9.4180</b>	<b>2.6041</b>	<b>0.0285</b>	<b>0.7238</b>	<b>0.0297</b>	<b>0.7535</b>	<b>0.1974</b>	<b>0.0284</b>	<b>0.2258</b>		<b>3,076.4389</b>	<b>3,076.4389</b>	<b>0.2044</b>		<b>3,081.5491</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
<b>Total</b>	<b>0.7965</b>	<b>7.2530</b>	<b>7.5691</b>	<b>0.0120</b>		<b>0.4073</b>	<b>0.4073</b>		<b>0.3886</b>	<b>0.3886</b>	<b>0.0000</b>	<b>1,147.4338</b>	<b>1,147.4338</b>	<b>0.2138</b>		<b>1,152.7797</b>



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**3.2 Demolition - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2918	9.3885	2.2013	0.0273	0.6120	0.0288	0.6408	0.1678	0.0276	0.1953		2,962.5620	2,962.5620	0.2011		2,967.5882
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	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
<b>Total</b>	<b>0.3347</b>	<b>9.4180</b>	<b>2.6041</b>	<b>0.0285</b>	<b>0.7238</b>	<b>0.0297</b>	<b>0.7535</b>	<b>0.1974</b>	<b>0.0284</b>	<b>0.2258</b>		<b>3,076.4389</b>	<b>3,076.4389</b>	<b>0.2044</b>		<b>3,081.5491</b>

**3.3 Site Preparation - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755		942.5842	942.5842	0.3049		950.2055
<b>Total</b>	<b>0.6403</b>	<b>7.8204</b>	<b>4.0274</b>	<b>9.7300e-003</b>	<b>0.5303</b>	<b>0.2995</b>	<b>0.8297</b>	<b>0.0573</b>	<b>0.2755</b>	<b>0.3328</b>		<b>942.5842</b>	<b>942.5842</b>	<b>0.3049</b>		<b>950.2055</b>

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**3.3 Site Preparation - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0214	0.0147	0.2014	5.7000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152		56.9385	56.9385	1.6800e-003		56.9804
<b>Total</b>	<b>0.0214</b>	<b>0.0147</b>	<b>0.2014</b>	<b>5.7000e-004</b>	<b>0.0559</b>	<b>4.5000e-004</b>	<b>0.0563</b>	<b>0.0148</b>	<b>4.2000e-004</b>	<b>0.0152</b>		<b>56.9385</b>	<b>56.9385</b>	<b>1.6800e-003</b>		<b>56.9804</b>

**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					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755	0.0000	942.5842	942.5842	0.3049		950.2055
<b>Total</b>	<b>0.6403</b>	<b>7.8204</b>	<b>4.0274</b>	<b>9.7300e-003</b>	<b>0.4772</b>	<b>0.2995</b>	<b>0.7767</b>	<b>0.0515</b>	<b>0.2755</b>	<b>0.3270</b>	<b>0.0000</b>	<b>942.5842</b>	<b>942.5842</b>	<b>0.3049</b>		<b>950.2055</b>

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**3.3 Site Preparation - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0214	0.0147	0.2014	5.7000e-004	0.0559	4.5000e-004	0.0563	0.0148	4.2000e-004	0.0152		56.9385	56.9385	1.6800e-003		56.9804
<b>Total</b>	<b>0.0214</b>	<b>0.0147</b>	<b>0.2014</b>	<b>5.7000e-004</b>	<b>0.0559</b>	<b>4.5000e-004</b>	<b>0.0563</b>	<b>0.0148</b>	<b>4.2000e-004</b>	<b>0.0152</b>		<b>56.9385</b>	<b>56.9385</b>	<b>1.6800e-003</b>		<b>56.9804</b>

**3.4 Grading - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
<b>Total</b>	<b>0.7965</b>	<b>7.2530</b>	<b>7.5691</b>	<b>0.0120</b>	<b>0.7528</b>	<b>0.4073</b>	<b>1.1601</b>	<b>0.4138</b>	<b>0.3886</b>	<b>0.8024</b>		<b>1,147.4338</b>	<b>1,147.4338</b>	<b>0.2138</b>		<b>1,152.7797</b>

New Hotel - Los Angeles-South Coast County, Summer

**3.4 Grading - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
<b>Total</b>	<b>0.0429</b>	<b>0.0295</b>	<b>0.4028</b>	<b>1.1400e-003</b>	<b>0.1118</b>	<b>9.0000e-004</b>	<b>0.1127</b>	<b>0.0296</b>	<b>8.3000e-004</b>	<b>0.0305</b>		<b>113.8770</b>	<b>113.8770</b>	<b>3.3600e-003</b>		<b>113.9609</b>

**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					0.6775	0.0000	0.6775	0.3724	0.0000	0.3724			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
<b>Total</b>	<b>0.7965</b>	<b>7.2530</b>	<b>7.5691</b>	<b>0.0120</b>	<b>0.6775</b>	<b>0.4073</b>	<b>1.0848</b>	<b>0.3724</b>	<b>0.3886</b>	<b>0.7610</b>	<b>0.0000</b>	<b>1,147.4338</b>	<b>1,147.4338</b>	<b>0.2138</b>		<b>1,152.7797</b>

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**3.4 Grading - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
<b>Total</b>	<b>0.0429</b>	<b>0.0295</b>	<b>0.4028</b>	<b>1.1400e-003</b>	<b>0.1118</b>	<b>9.0000e-004</b>	<b>0.1127</b>	<b>0.0296</b>	<b>8.3000e-004</b>	<b>0.0305</b>		<b>113.8770</b>	<b>113.8770</b>	<b>3.3600e-003</b>		<b>113.9609</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358
<b>Total</b>	<b>0.7750</b>	<b>7.9850</b>	<b>7.2637</b>	<b>0.0114</b>		<b>0.4475</b>	<b>0.4475</b>		<b>0.4117</b>	<b>0.4117</b>		<b>1,103.2158</b>	<b>1,103.2158</b>	<b>0.3568</b>		<b>1,112.1358</b>

New Hotel - Los Angeles-South Coast County, Summer

**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0122	0.3884	0.1015	1.0300e-003	0.0256	7.9000e-004	0.0264	7.3700e-003	7.6000e-004	8.1300e-003		109.9523	109.9523	6.4800e-003		110.1142
Worker	0.0386	0.0265	0.3625	1.0300e-003	0.1006	8.1000e-004	0.1014	0.0267	7.5000e-004	0.0274		102.4893	102.4893	3.0200e-003		102.5648
<b>Total</b>	<b>0.0507</b>	<b>0.4149</b>	<b>0.4640</b>	<b>2.0600e-003</b>	<b>0.1262</b>	<b>1.6000e-003</b>	<b>0.1278</b>	<b>0.0341</b>	<b>1.5100e-003</b>	<b>0.0356</b>		<b>212.4415</b>	<b>212.4415</b>	<b>9.5000e-003</b>		<b>212.6790</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
<b>Total</b>	<b>0.7750</b>	<b>7.9850</b>	<b>7.2637</b>	<b>0.0114</b>		<b>0.4475</b>	<b>0.4475</b>		<b>0.4117</b>	<b>0.4117</b>	<b>0.0000</b>	<b>1,103.2158</b>	<b>1,103.2158</b>	<b>0.3568</b>		<b>1,112.1358</b>

New Hotel - Los Angeles-South Coast County, Summer

**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0122	0.3884	0.1015	1.0300e-003	0.0256	7.9000e-004	0.0264	7.3700e-003	7.6000e-004	8.1300e-003		109.9523	109.9523	6.4800e-003		110.1142
Worker	0.0386	0.0265	0.3625	1.0300e-003	0.1006	8.1000e-004	0.1014	0.0267	7.5000e-004	0.0274		102.4893	102.4893	3.0200e-003		102.5648
<b>Total</b>	<b>0.0507</b>	<b>0.4149</b>	<b>0.4640</b>	<b>2.0600e-003</b>	<b>0.1262</b>	<b>1.6000e-003</b>	<b>0.1278</b>	<b>0.0341</b>	<b>1.5100e-003</b>	<b>0.0356</b>		<b>212.4415</b>	<b>212.4415</b>	<b>9.5000e-003</b>		<b>212.6790</b>

**3.6 Paving - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286		1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7214</b>	<b>6.7178</b>	<b>7.0899</b>	<b>0.0113</b>		<b>0.3534</b>	<b>0.3534</b>		<b>0.3286</b>	<b>0.3286</b>		<b>1,035.3425</b>	<b>1,035.3425</b>	<b>0.3016</b>		<b>1,042.8818</b>

New Hotel - Los Angeles-South Coast County, Summer

**3.6 Paving - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
<b>Total</b>	<b>0.0772</b>	<b>0.0530</b>	<b>0.7250</b>	<b>2.0600e-003</b>	<b>0.2012</b>	<b>1.6300e-003</b>	<b>0.2028</b>	<b>0.0534</b>	<b>1.5000e-003</b>	<b>0.0549</b>		<b>204.9786</b>	<b>204.9786</b>	<b>6.0400e-003</b>		<b>205.1296</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7214	6.7178	7.0899	0.0113		0.3534	0.3534		0.3286	0.3286	0.0000	1,035.3425	1,035.3425	0.3016		1,042.8818
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7214</b>	<b>6.7178</b>	<b>7.0899</b>	<b>0.0113</b>		<b>0.3534</b>	<b>0.3534</b>		<b>0.3286</b>	<b>0.3286</b>	<b>0.0000</b>	<b>1,035.3425</b>	<b>1,035.3425</b>	<b>0.3016</b>		<b>1,042.8818</b>



New Hotel - Los Angeles-South Coast County, Summer

**3.6 Paving - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0772	0.0530	0.7250	2.0600e-003	0.2012	1.6300e-003	0.2028	0.0534	1.5000e-003	0.0549		204.9786	204.9786	6.0400e-003		205.1296
<b>Total</b>	<b>0.0772</b>	<b>0.0530</b>	<b>0.7250</b>	<b>2.0600e-003</b>	<b>0.2012</b>	<b>1.6300e-003</b>	<b>0.2028</b>	<b>0.0534</b>	<b>1.5000e-003</b>	<b>0.0549</b>		<b>204.9786</b>	<b>204.9786</b>	<b>6.0400e-003</b>		<b>205.1296</b>

**3.7 Architectural Coating - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	40.3801					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>40.5990</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

New Hotel - Los Angeles-South Coast County, Summer

**3.7 Architectural Coating - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	8.5700e-003	5.8900e-003	0.0806	2.3000e-004	0.0224	1.8000e-004	0.0225	5.9300e-003	1.7000e-004	6.1000e-003		22.7754	22.7754	6.7000e-004		22.7922
<b>Total</b>	<b>8.5700e-003</b>	<b>5.8900e-003</b>	<b>0.0806</b>	<b>2.3000e-004</b>	<b>0.0224</b>	<b>1.8000e-004</b>	<b>0.0225</b>	<b>5.9300e-003</b>	<b>1.7000e-004</b>	<b>6.1000e-003</b>		<b>22.7754</b>	<b>22.7754</b>	<b>6.7000e-004</b>		<b>22.7922</b>

**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	40.3801					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>40.5990</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

New Hotel - Los Angeles-South Coast County, Summer

**3.7 Architectural Coating - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	8.5700e-003	5.8900e-003	0.0806	2.3000e-004	0.0224	1.8000e-004	0.0225	5.9300e-003	1.7000e-004	6.1000e-003		22.7754	22.7754	6.7000e-004		22.7922
<b>Total</b>	<b>8.5700e-003</b>	<b>5.8900e-003</b>	<b>0.0806</b>	<b>2.3000e-004</b>	<b>0.0224</b>	<b>1.8000e-004</b>	<b>0.0225</b>	<b>5.9300e-003</b>	<b>1.7000e-004</b>	<b>6.1000e-003</b>		<b>22.7754</b>	<b>22.7754</b>	<b>6.7000e-004</b>		<b>22.7922</b>

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

Encourage Telecommuting and Alternative Work Schedules

Employee Vanpool/Shuttle

New Hotel - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0468	4.7463	11.9128	0.0415	3.2865	0.0339	3.3204	0.8795	0.0316	0.9112		4,228.1765	4,228.1765	0.2208		4,233.6964
Unmitigated	1.0699	4.8886	12.5072	0.0439	3.4908	0.0358	3.5266	0.9342	0.0334	0.9676		4,470.0417	4,470.0417	0.2318		4,475.8357

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	686.28	687.96	499.80	1,574,587	1,482,440
Total	686.28	687.96	499.80	1,574,587	1,482,440

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876

5.0 Energy Detail

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New Hotel - Los Angeles-South Coast County, Summer

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0154	0.1403	0.1178	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.3431	168.3431	3.2300e-003	3.0900e-003	169.3435
NaturalGas Unmitigated	0.0154	0.1403	0.1178	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.3431	168.3431	3.2300e-003	3.0900e-003	169.3435

**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					
Hotel	1430.92	0.0154	0.1403	0.1178	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.3431	168.3431	3.2300e-003	3.0900e-003	169.3435
<b>Total</b>		<b>0.0154</b>	<b>0.1403</b>	<b>0.1178</b>	<b>8.4000e-004</b>		<b>0.0107</b>	<b>0.0107</b>		<b>0.0107</b>	<b>0.0107</b>		<b>168.3431</b>	<b>168.3431</b>	<b>3.2300e-003</b>	<b>3.0900e-003</b>	<b>169.3435</b>

New Hotel - Los Angeles-South Coast County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	1.43092	0.0154	0.1403	0.1178	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.3431	168.3431	3.2300e-003	3.0900e-003	169.3435
<b>Total</b>		<b>0.0154</b>	<b>0.1403</b>	<b>0.1178</b>	<b>8.4000e-004</b>		<b>0.0107</b>	<b>0.0107</b>		<b>0.0107</b>	<b>0.0107</b>		<b>168.3431</b>	<b>168.3431</b>	<b>3.2300e-003</b>	<b>3.0900e-003</b>	<b>169.3435</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

New Hotel - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5272	8.0000e-005	8.5900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196
Unmitigated	0.5272	8.0000e-005	8.5900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196

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	0.0951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4312					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.5900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196
<b>Total</b>	<b>0.5272</b>	<b>8.0000e-005</b>	<b>8.5900e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>0.0184</b>	<b>0.0184</b>	<b>5.0000e-005</b>		<b>0.0196</b>

New Hotel - Los Angeles-South Coast County, Summer

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4312					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.0000e-004	8.0000e-005	8.5900e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0184	0.0184	5.0000e-005		0.0196
<b>Total</b>	<b>0.5272</b>	<b>8.0000e-005</b>	<b>8.5900e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>0.0184</b>	<b>0.0184</b>	<b>5.0000e-005</b>		<b>0.0196</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Use Water Efficient Landscaping

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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



New Hotel - Los Angeles-South Coast County, Summer

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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